

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

OFFICE OF THE REGISTRAR



Fall 2005 Schedule of Classes

Verify Your Enrollments

It is recommended that you verify your classes and grade options after you complete your enrollment transactions and print a copy of your schedule.

Fall Registration Fees

Registration fees are due by 4:00 P.M. on September 13. If you have not paid by the deadline, you will be dropped from your classes and assessed a \$50 late fee!

Important Billing Address Information

Bills for fall quarter will be mailed August 22. Refer to page 20 for Statement of Account mailing address information and to page 26 for change of address information.

Online *Schedule of Classes*: reg.ucsc.edu/soc/
MyUCSC portal: my.ucsc.edu

UNIVERSITY OF CALIFORNIA, SANTA CRUZ



1156 High Street
Santa Cruz, CA 95064

Schedule of Classes Fall 2005

Web site: *reg.ucsc.edu/soc*

The detailed entry for each course offering appearing in this schedule is based on information submitted by the sponsoring agency prior to the beginning of the quarter. Updated information is available on the web in the online *Schedule of Classes* at *reg.ucsc.edu/soc*. Courses listed in this *Schedule of Classes* are subject to change through normal academic channels. New proposals and changes are initiated by the appropriate course sponsoring agency and approved through the appropriate dean and the Committee on Educational Policy or the Graduate Council. Scheduling changes that occur after publication of the schedule will appear correctly in the online *Schedule of Classes*.

Keep Records!

In order to fulfill your responsibility for planning your education, you should keep an up-to-date academic portfolio containing the following kinds of information:

- transcripts from all schools attended;
- test results from entrance exams, language exams, placement exams, and advanced placement;
- copies of communications to and from the university;
- contact information for your advisers and faculty members;
- statements of account showing registration, housing, and other charges and payments.

You are responsible for responding to all communications sent to you by the university.

Check the MyUCSC portal and your UCSC e-mail account often.

Make use of the *UCSC General Catalog*, *Schedule of Classes*, and *The Navigator* undergraduate handbook, found online at *reg.ucsc.edu*, or the *Graduate Student Handbook*, at *www.graddiv.ucsc.edu/handBook.html*.

1 Critical Dates and Deadlines

Academic and Administrative Calendar: pages 6–7

2 Academic Advising

Undergraduate students: meet with your college academic preceptor, department faculty, and staff advisers as needed.

3 Classes

How to read the class listings: page 80
Class listings begin: page 81
Final exam schedule: page 8

4 Placement Exams

Placement exam schedule: page 10

5 Enrollment

Appointment schedules: page 14
Access to enrollment: page 15
Schedule planner: page 134

6 Registration Fee Payment

Bills mailed and viewable on the MyUCSC portal: Aug. 22, 2005
Payment due: September 13, 2005
Classes are dropped if fees are not paid by: September 13, 2005

ONLINE RESOURCES

A–Z Index

www.ucsc.edu

Academic & Administrative Calendar

reg.ucsc.edu/calendar

Advance Course Information

reg.ucsc.edu/soc/aci

Bay Tree Bookstore

slugstore.ucsc.edu

Course Fees

reg.ucsc.edu/coursefees.html

Courses Online

www2.ucsc.edu/courses/

E-mail Accounts

www2.ucsc.edu/cats/sc/help/intro/accounts.shtml

Navigator

reg.ucsc.edu/Navigator

Office of the Registrar

reg.ucsc.edu

Schedule of Classes

reg.ucsc.edu/soc

Transfer Course Agreement

www.assist.org

UCSC General Catalog

reg.ucsc.edu/catalog

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NEW STUDENT ORIENTATION INFORMATION

New First-Year and Transfer Students: Begin the Fall Enrollment Process at Summer Orientation

Summer Orientation is your opportunity to receive early academic advising, enroll in courses, meet other new students and learn about campus resources and services at UCSC, and get answers to your questions from faculty, staff, and continuing students. Students who attend Summer Orientation will have the option of beginning the fall 2005 enrollment process.

To attend a Summer Orientation program, you must make a reservation by mail. A reservation

form is included in the Summer Orientation Reservation Brochure, which is mailed to all new first-year and transfer students who have returned their Statement of Intent to Register to Admissions. If you have not received a reservation brochure, contact Campus Orientations Programs at (831) 459-5468; e-mail orientation@ucsc.edu; or visit our web site at admissions.ucsc.edu/orientation.

Health Requirement for Incoming Students

Students who are not yet 19 years old at the time of enrollment in the fall are required by state law to be immunized against Hepatitis B in order to attend the University of California. Incoming students will receive information over the summer about this requirement. If already immunized, obtain verification from your health care provider. You may begin the series now, or obtain your first shot at the Student Health Center during move-in week. For more information, check our web site at www2.ucsc.edu/healthcenter/.

ADVERTISEMENT

Get a head start on your first quarter through a *Summer Orientation Event!*

Monday, June 20

Frosh program

Wednesday, June 22

Frosh program

Friday, June 24

Frosh program

Saturday, June 25

Frosh program

Tuesday, June 28

Frosh program

Thursday, June 30

Frosh program

Saturday, July 16

Transfer program

ACADEMIC AND ADMINISTRATIVE CALENDAR 2005-06

Please read and follow registration and enrollment instructions and deadlines contained in this schedule. It is your responsibility to pay fees, enroll in classes, and file petitions before the stated deadlines.

Key Dates

	Fall '05	Winter '06	Spring '06
QUARTER BEGINS	Sept 17 Sat	Jan 4 Wed	Apr 3 Mon
ORIENTATION For details refer to the Campus Orientation Office. For EOP, transfer, and re-entry orientations, refer to announcements by the EOP and STARS Offices.			
INSTRUCTION BEGINS	Sept 22 Thur	Jan 5 Thur	Apr 4 Tues
HOLIDAYS (falling within the quarter)	Nov 11, 24, 25 Fri, Thur, Fri	Jan 16, Feb 20 Mon, Mon	May 29 Mon
INSTRUCTION ENDS	Dec 2 Fri	Mar 16 Thur	June 9 Fri
FINAL EXAMINATIONS	Dec 5-8 Mon-Thur	Mar 20-23 Mon-Thur	June 12-15 Mon-Thur
QUARTER ENDS	Dec 8 Thur	Mar 23 Thur	June 15 Thur
COMMENCEMENTS			June 16-18 Fri-Sun
HOLIDAYS (not falling within the quarter)	Sept 5, Dec 26, 27, 30, Jan 2, Mar 31, July 4 Mon, Mon, Tues, Fri, Mon, Fri, Tues		
CAMPUS CLOSURE DATES The campus is closed from Saturday, December 24 through Monday, January 2.			

Advising and Advance Enrollment

	Fall '05	Winter '06	Spring '06
Continuing and Readmitted Students			
ADVISING WEEK	May 11-17 Wed-Tues	Nov. 3-9 Thur-Wed	Feb 16-23 Thur-Thur
PRIORITY ENROLLMENT	May 18- June 1 Wed-Wed	Nov 14-23 Mon-Wed	Feb 24-Mar 7 Fri-Tues
OPEN ENROLLMENT	June 3-Sept 12 Fri-Mon	Nov 24-Dec 19 Thur-Mon	Mar 8-17 Wed-Fri

New Students

PRIORITY ENROLLMENT	June 17 Fri		
PRIORITY ENROLLMENT	June 20-30 Mon-Thur		
PRIORITY ENROLLMENT	July 5 Tues		

	Fall '05	Winter '06	Spring '06
BILLING STATEMENTS MAILED/AVAILABLE ONLINE including registration and housing fees.	Aug 22 Mon	Nov 28 Mon	Feb 27 Mon
HOUSING FEES DUE Cashier's Office.	Sept 13 Tues	Dec 20 Tues	Mar 20 Mon
UNDERGRADUATE REGISTRATION FEES DUE Classes are dropped if payment is not completed by 4 P.M. Late registration fee of \$50 assessed after this date. Cashier's Office.	Sept 13 Tues	Dec 20 Tues	Mar 20 Mon
STUDENT HEALTH INSURANCE Last day to apply for waiver. Cowell Student Health Center.	Sept 17 Sat	Jan 4 Wed	Apr 3 Mon
ADD/DROP/SWAP CLASSES BEGINS Minimum/maximum credit limits enforced. Enrollment blocked if registration fees not paid.	Sept 22 Thur	Jan 5 Thur	Apr 4 Tues
ENROLLMENT DEADLINE Students must be enrolled in one class by this date, or \$50 late enrollment fee assessed.	Sept 30 Fri	Jan 13 Fri	Apr 12 Wed
GRADUATE STUDENT REGISTRATION FEES DUE \$50 late fee after this date. Cashier's Office.	Sept 30 Fri	Jan 13 Fri	Apr 12 Wed
REQUEST FOR NON-RELEASE OF PUBLIC INFORMATION Deadline to have information excluded from the online student directory. Office of the Registrar.	Sept 30 Fri	Jan 13 Fri	Apr 12 Wed
GRADUATE STUDENT PART-TIME PROGRAM Last day to apply for a reduced class load and fees. Department.	Sept 30 Fri	Jan 13 Fri	Apr 12 Wed
CLASS PERMISSION NUMBERS REQUIRED for all classes.	Oct 1 Sat	Jan 14 Sat	Apr 13 Thur
ADD/DROP/SWAP CLASSES ENDS Last day to process enrollment transactions.	Oct 12 Wed	Jan 26 Thur	Apr 24 Mon
GRADE OPTION Last day to change grade option.	Oct 12 Wed	Jan 26 Thur	Apr 24 Mon
UNDERGRADUATE PART-TIME PROGRAM Last day to apply for a reduced class load and fees. Office of the Registrar.	Oct 12 Wed	Jan 26 Thur	Apr 24 Mon
ADD BY PETITION BEGINS First day to add a class by petition (\$10 fee). Office of the Registrar.	Oct 13 Thur	Jan 27 Fri	Apr 25 Tues
UNDERGRADUATE WITHDRAW FROM A CLASS BEGINS Students who drop will receive a W (Withdraw) notation. College Office.	Oct 13 Thur	Jan 27 Fri	Apr 25 Tues
DECLARATION/CHANGE OF MAJOR/MINOR Last day to file petition to be effective for enrollment the following quarter. College.	Oct 19 Wed	Feb 3 Fri	Apr 26 Wed
WITHDRAW FROM THE UNIVERSITY Last day to file to withdraw during the quarter, except for emergency reasons. College office/Division of Graduate Studies.	Oct 26 Wed	Feb 8 Wed	May 8 Mon

ACADEMIC AND ADMINISTRATIVE CALENDAR 2005–06

Please read and follow registration and enrollment instructions and deadlines contained in this schedule. It is your responsibility to pay fees, enroll in classes, and file petitions before the stated deadlines.

	Fall '05	Winter '06	Spring '06	Summer '06
CHANGE OF COLLEGE Last day to file petition to be effective the following quarter. Office of the Registrar.	Nov 8 Tues	Feb 8 Wed	May 3 Wed	
UNDERGRADUATE WITHDRAW FROM A CLASS ENDS Final date to drop with a W (Withdraw) notation, except for emergency reasons. College Office.	Nov 2 Wed	Feb 16 Thur	May 15 Mon	
UNDERGRADUATE CREDIT BY PETITION ENDS Last day to file petition to challenge a class (\$10 fee). Office of the Registrar.	Nov 2 Wed	Feb 16 Thur	May 15 Mon	
ADD BY PETITION ENDS Last day to add a class by petition (\$10 fee). Office of the Registrar.	Nov 2 Wed	Feb 16 Thur	May 15 Mon	
UNDERGRADUATE REMOVAL OF INCOMPLETE Deadline to file petition (\$10 fee) and submit class work for Incomplete grade from preceding quarter. Office of the Registrar.	Dec 8 Thur	Mar 23 Thur	June 15 Thur	
GRADUATE STUDENT REMOVAL OF INCOMPLETE Deadline to file petition (\$10 fee) and submit class work for Incomplete grade within the last three quarters. Office of the Registrar.	Dec 8 Thur	Mar 23 Thur	June 15 Thur	
LEAVE OF ABSENCE Last day to petition for leave beginning the next quarter. College office/Division of Graduate Studies.	Dec 8 Thur	Mar 23 Thur	Sept 1 Fri	
GRADES DUE from instructors.	Dec 13	Mar 28	June 20	
EVALUATIONS DUE from instructors.	Jan 9 Mon	Apr 14 Fri	July 6 Thur	

Announcing Candidacy for Degree/Graduation

GRADUATE STUDENTS announcing for certificate, master's, or Ph.D. Deadline to submit form or pay for filing fee, if applicable. Division of Graduate Studies.	Oct 7 Fri	Jan 13 Fri	Apr 14 Fri	June 23 Fri
UNDERGRADUATES announcing for bachelor's degree. Deadline to submit form. Office of the Registrar.	Oct 20 Thur	Feb 2 Thur	Apr 27 Thur	July 20 Thur
GRADUATE STUDENTS last day to complete all requirements for degree. * Students not participating in June commencement have until June 15 to complete all requirements for degree	Dec 8 Thur	Mar 23 Thur	May 26* Fri	Sept 1 Fri
UNDERGRADUATES last day to complete all requirements for degree and for the Office of the Registrar to receive transcripts from other institutions.	Dec 8 Thur	Mar 23 Thur	June 15 Thur	Aug 25 Fri

Intercampus Visitor/Exchange Programs

UNDERGRADUATES Application period. Office of the Registrar.	Nov 1–Apr 30	July 1–Oct 31	Oct 1–Jan 31 (July 1–Oct 1 UC Berkeley)
GRADUATE STUDENTS Last day to file application. Division of Graduate Studies.	Aug 15 (Apr 30, 2005 UC Berkeley)	Nov 15	Feb 15

Financial Aid

FINANCIAL AID APPLICATION FOR UNDERGRADUATES

- File the free Application for Federal Student Aid (FAFSA) by March 1 prior to each fall quarter:
for enrollment in fall 2005, file by March 1, 2005
for enrollment in fall 2006, file by March 1, 2006
- Complete your file by providing all supporting documentation requested by the Financial Aid Office by May 1 of each year (prior to each fall quarter).
- Applications filed after the March 1 priority deadline will be considered, but not for state or institutional grants.

SCHOLARSHIP DEADLINE FOR CONTINUING STUDENTS

February 1 prior to each fall quarter.

FINANCIAL AID APPLICATION FOR GRADUATES

Contact your academic department.

Readmission

Fall '05	Winter '06	Spring '06
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READMISSION APPLICATION Undergraduates

Filing deadline for priority enrollment.
Office of Admissions.

Apr 1, 2005 Fri	Oct 1, 2005 Sat	Jan 1, 2006 Sun
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READMISSION APPLICATION FINAL FILING DEADLINE

Undergraduates: Office of Admissions.
Graduates: Division of Graduate Studies.

July 31, 2005 Sun	Oct 31, 2005 Mon	Jan 31, 2006 Tues
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- Graduate students may refer to the *Graduate Student Handbook* for a more detailed and comprehensive listing of procedures, dates, and deadlines; go to graddiv.ucsc.edu/.
- A printable version of this calendar is also available via the web at reg.ucsc.edu/calendar/05_06calendar.pdf; for key dates, go to reg.ucsc.edu/keydates2005_06.pdf.
- For more information on the topics listed above, go to reg.ucsc.edu.

FINAL EXAMINATION POLICIES AND SCHEDULE

In keeping with Academic Senate Policy, final examinations are required of all undergraduate courses unless the department or course sponsoring agency has obtained permission from the Committee on Educational Policy (CEP) to evaluate students in another manner. When finals are administered, they must be completed within a previously announced time limit. Examinations in non-laboratory courses may not exceed three hours' duration.

The examination schedule is printed in this schedule so that you may plan your finals before you enroll in courses. You are responsible for preventing schedule conflicts. If you show up late for an examination, the instructor may bar you from taking it. You may not be able to retake an examination. If you miss an examination due to illness or other emergency, the instructor may agree to give you an "Incomplete" and schedule a makeup examination if your work is passing up to that point.

Examinations are normally not required in laboratory courses or their equivalent, as individually

determined by the CEP. A department may, however, require a final examination in any laboratory course.

Time and Room

Final examinations are given during exam week at the time announced in the *Schedule of Classes*, in the same room used for class meetings during the quarter.

Closed Week

No final examinations, tests, or significant quizzes, other than laboratory exams or makeup exams, may be given during the last week of instruction.

Religious Observance

Given the diversity of religious practice within the campus community, academic and administrative units are encouraged to make reasonable accommodation when the schedule of a required campus event conflicts with an individual's religious creed.

It is the official policy of the University of California at Santa Cruz to accommodate without penalty requests for alternate examination times in cases where the scheduled time for the examination violates a student's religious creed.

Requests for accommodation for religious observance should be made directly to the faculty member in charge of the course within the first two weeks of the term or as soon as possible after an examination date is announced. Faculty are expected to make reasonable accommodation for such requests. Students who are unable to reach a satisfactory arrangement with an instructor should consult the head of the unit sponsoring the course or the campus ombudsman.

Modifications for Reasons of Disability

Students with verifiable disabilities that require examination modifications will be accommodated in compliance with state and federal laws. This includes students with mobility, hearing, and vision impairments, as well as those with learning disabilities, psychological disorders, and other functional impairments. If requested by a student with a disability, DRC personnel will determine whether modifications are necessary. Students are encouraged to make test-taking arrangements directly with the instructor.

Early Examinations and Exemptions

Faculty members are not required to grant special examination privileges in order to allow students to leave before the close of quarter, but may do so in extraordinary circumstances. When a final examination is one of the regular requirements in a course, no one taking the course may be individually exempted from it. If you find it impossible to report for a final examination at the scheduled time because of illness or other unavoidable circumstances, inform the instructor; and see if another time can be arranged.

Take-Home Examinations

If a take-home examination is not assigned until the week designated for final exams, it cannot require more than three hours to complete.

Fall 2005 Final Examination Schedule

Class	Start	Exam Date	Exam Times
MWF	8:00 A.M.	Tuesday, December 6	8:00–11:00 A.M.
MWF	9:30 A.M.	Monday, December 5	8:00–11:00 A.M.
MWF	11:00 A.M.	Wednesday, December 7	12:00 noon–3:00 P.M.
MWF	12:30 P.M.	Tuesday, December 6	12:00 noon–3:00 P.M.
MWF	2:00 P.M.	Wednesday, December 7	4:00–7:00 P.M.
MWF	3:30 P.M.	Thursday, December 8	8:00–11:00 A.M.
MW	5:00 P.M.	Wednesday, December 7	7:30–10:30 P.M.
MW	7:00 P.M.	Monday, December 5	7:30–10:30 P.M.
TuTh	8:00 A.M.	Thursday, December 8	12:00 noon–3:00 P.M.
TuTh	10:00 A.M.	Tuesday, December 6	7:30–10:30 P.M.
TuTh	12:00 noon	Monday, December 5	4:00–7:00 P.M.
TuTh	2:00 P.M.	Monday, December 5	12:00 noon–3:00 P.M.
TuTh	4:00 P.M.	Wednesday, December 7	8:00–11:00 A.M.
TuTh	6:00 P.M.	Tuesday, December 6	4:00–7:00 P.M.
Non-Standard 1*		Thursday, December 8	4:00–7:00 P.M.
Non-Standard 2**		Thursday, December 8	7:30–10:30 P.M.

*Non-Standard 1: classes which have their first meeting M or W or F and do not begin at 8:00 A.M., 9:30 A.M., 11:00 A.M., 12:30 P.M., 2:00 P.M., 3:30 P.M., 5:00 P.M., or 7:00 P.M.

**Non-Standard 2: classes which have their first meeting T or Th and do not begin at 8:00 A.M., 10:00 A.M., 12:00 noon, 2:00 P.M., 4:00 P.M., or 6:00 P.M.

Fall 2005 Final Exam Schedule by Time Block

Exam Day/ Exam Time	Monday December 5	Tuesday December 6	Wednesday December 7	Thursday December 8
Exam Period 8:00–11:00 A.M.	Mon, Wed, Fri 9:30 A.M.	Mon, Wed, Fri 8:00 A.M.	Tues, Thurs 4:00 P.M.	Mon, Wed, Fri 3:30 P.M.
Exam Period 12:00–3:00 P.M.	Tues, Thurs 2:00 P.M.	Mon, Wed, Fri 12:30 P.M.	Mon, Wed, Fri 11:00 A.M.	Tues, Thurs 8:00 A.M.
Exam Period 4:00–7:00 P.M.	Tues, Thurs 12:00 noon	Tues, Thurs 6:00 P.M.	Mon, Wed, Fri 2:00 P.M.	Non-Standard 1
Exam Period 7:30–10:30 P.M.	Mon, Wed 7:00 P.M.	Tues, Thurs 10:00 A.M.	Mon, Wed 5:00 P.M.	Non-Standard 2

FINAL EXAMINATION POLICIES AND SCHEDULE

Examination Retention

An instructor may release to individual students their original final examinations (or copies) at any time. Otherwise, the instructor will retain final examination materials until the end of the next regular term, during which time the students have access to them.

Spring 2005 Final Examination Schedule

Class	Start	Exam Date	Exam Times
MWF	8:00 A.M.	Thursday, June 9	12:00–3:00 P.M.
MWF	9:30 A.M.	Tuesday, June 7	12:00–3:00 P.M.
MWF	11:00 A.M.	Wednesday, June 8	8:00–11:00 A.M.
MWF	12:30 P.M.	Tuesday, June 7	8:00–11:00 A.M.
MWF	2:00 P.M.	Thursday, June 9	4:00–7:00 P.M.
MWF	3:30 P.M.	Wednesday, June 8	12:00–3:00 P.M.
MW	5:00 P.M.	Wednesday, June 8	4:00–7:00 P.M.
MW	7:00 P.M.	Monday, June 6	4:00–7:00 P.M.
TuTh	8:00 A.M.	Thursday, June 9	8:00–11:00 A.M.
TuTh	10:00 A.M.	Tuesday, June 7	4:00–7:00 P.M.
TuTh	12:00 noon	Monday, June 6	12:00–3:00 P.M.
TuTh	2:00 P.M.	Monday, June 6	8:00–11:00 A.M.
TuTh	4:00 P.M.	Tuesday, June 7	7:30–10:30 P.M.
TuTh	6:00 P.M.	Monday, June 6	7:30–10:30 P.M.
Non-Standard 1*		Thursday, June 9	7:30–10:30 P.M.
Non-Standard 2**		Wednesday, June 8	7:30–10:30 P.M.

*Non-Standard 1: classes which have their first meeting M or W or F and do not begin at 8:00 A.M., 9:30 A.M., 11:00 A.M., 12:30 P.M., 2:00 P.M., 3:30 P.M., 5:00 P.M., or 7:00 P.M.

**Non-Standard 2: classes which have their first meeting T or Th and do not begin at 8:00 A.M., 10:00 A.M., 12:00 noon, 2:00 P.M., 4:00 P.M., or 6:00 P.M.

ADVERTISEMENT

Career Center

305 Bay Tree Building, 3rd Floor

Career Center Services:

- Career Advising
- Workshops
- Graduate School Services
- Computer Lab
- On-Campus Recruiting
- Career Positions
- Internships
- Resource Library
- On- and Off-Campus Part-time Jobs

Special Events:

Graduate and Professional School Fair

Monday, October 24, 2005 • 11:00 a.m. to 3:00 p.m. • West Field House, College Eight
http://www2.ucsc.edu/careers/events/grad_fair.html

Early Bird Job & Internship Fair

TBA

(831) 459-4420 • FAX (831) 459-4018 • www2.ucsc.edu/careers/

ORIENTATIONS AND PLACEMENT EXAMS

Placement Exams

Language placement exams are necessary for students who have not passed the prerequisite UCSC course. Students do not take a placement exam when enrolling at level 1 in a language they have never studied, EXCEPT FOR SPANISH. Students must take the placement exam to gain entry into Spanish level 1. Students who have had language instruction prior to UCSC must take the placement exam if they intend to continue study in that language.

ARABIC LANGUAGE

No placement exam is required for Arabic 1.

BIOLOGY

See web site for information:
www.biology.ucsc.edu/ug/placexam.html.

CHEMISTRY & BIOCHEMISTRY

May 17, 18, 19, 5:30–9:00 P.M., 205 Oakes
Sept. 20, 21, 1:00–5:00 P.M., TBA

CHINESE LANGUAGE

See the Chinese instructors during their office hours for placement. Check at 239 Cowell for faculty locations.

Approximately 15 minutes to complete the interview style placement exam.
Sept. 20, 1:00–2:30 P.M., see faculty in 212 or 219 Cowell.

ENVIRONMENTAL STUDIES

Ecology waiver exam: Sept. 20, 1:00–3:00 P.M., 417 ISB Building. Email jmrice@ucsc.edu to sign up.

FRENCH LANGUAGE

See the French instructors during their office hours for placement. Check at 239 Cowell for faculty locations.
Sept. 20, 1:00–3:00 P.M., 131 Cowell. Orientation begins promptly at 1:00 P.M., a 15-minute interview and orientation to French study at UCSC); individual exams will begin immediately after the orientation.

GERMAN LANGUAGE

See the German instructors during their office hours for placement. Check at 239 Cowell for faculty locations.
Approximately 15 minutes to complete the interview style placement exam.
Sept. 20, 1:00–2:30 P.M., see faculty in 202 Crown.

GREEK LANGUAGE

No placement exam is required for Greek 1.

HEBREW LANGUAGE

Call the Language Program, 459-2054, for information.

HINDI LANGUAGE

No placement exam is required for Hindi 1.

ITALIAN LANGUAGE

See the Italian instructors during their office hours for placement. Check at 239 Cowell for faculty locations.

JAPANESE LANGUAGE

See the Japanese instructors during their office hours for placement. Check at 239 Cowell for faculty locations.
Sept. 20, 1:00–2:30 P.M., 223 Cowell. Arrive promptly at 1:00 P.M.. Written exam and short oral interview.

LATIN LANGUAGE

No placement exam is required for Latin 1.

MATHEMATICS

Placement Exams
Students *must* arrive at the test site 15 minutes before the scheduled time. Testing begins promptly, and *late admittance is not permitted*. *Students must have valid ID*.
Sept. 19, 1:00–2:30 P.M., 101 Jack Baskin Aud.
Sept. 19, 2:45–4:15 P.M., 101 Jack Baskin Aud.
Sept. 20, 1:00–2:30 P.M., 101 Jack Baskin Aud.
Sept. 20, 2:45–4:15 P.M., 101 Jack Baskin Aud.
Sept. 21, 1:00–2:30 P.M., 101 Jack Baskin Aud.
Sept. 21, 2:45–4:15 P.M., 101 Jack Baskin Aud.

Special Accommodations:

1) Please submit a “Math Placement Examination Request for Testing Accommodations” form, which can be obtained either by calling

the Mathematics Department at 459-2969 or via the link at the following web site:
www.math.ucsc.edu/MathPlacementExam/specaccom.html

or

2) For students registered with the Disability Resource Center, the Mathematics Department requires certification from the DRC, 459-2089.

MUSIC

Core Curriculum Placement Exam Sept. 20, 10:00 A.M.–12:30 P.M., Music Center Recital Hall.

PORTUGUESE LANGUAGE

No placement exam is necessary for entry into Portuguese 1A or 60A.

RUSSIAN LANGUAGE

Call the Language Program, 459-2054, for information.

SPANISH LANGUAGE

The placement exam is an online exam and can be taken at any time. The URL for the Spanish placement exam is:

www.ic.ucsc.edu/~test/. **Note:** It takes three to four days for your exam results to be posted. Make sure you complete the placement exam a minimum of one week prior to your designated appointment time for Advance Enrollment.

SPANISH FOR SPANISH SPEAKERS

See information posted at 122 Crown.

WRITING

Placement Exams
Sept. 18, 1:00–3:00 P.M., in all of the following rooms: 152 Jack Baskin; 101 J. Baskin Aud.; B206 Earth and Marine Sciences; M110 TA Media Theater; 1 Thimann; and 3 Thimann.

ORIENTATIONS AND PLACEMENT EXAMS

Department Orientations

AMERICAN STUDIES

Sept. 20, 10:00 A.M.–12:00 noon,
233 Oakes

ANTHROPOLOGY

Sept. 20, 9:00 A.M.–12:00 noon,
110 Social Sciences 1

ART

Sept. 20, 10:00 A.M.–12:00 noon,
D-101 Baskin Visual Arts Seminar Room

BIOINFORMATICS *

(See School of Engineering)

BIOLOGICAL SCIENCES

Sept. 20, 10:00–11:00 A.M., Classroom Unit 2

CHEMISTRY AND BIOCHEMISTRY

Sept. 20, 10:00–11:00 A.M., 391 Thimann Lab

CHINESE

Sept. 20, 1:00–2:30 P.M., see faculty in 212
or 219 Cowell

COMMUNITY STUDIES

Sept. 20, 10:00–11:30 A.M., 240 College Eight

COMPUTER ENGINEERING*

(See School of Engineering)

COMPUTER SCIENCE*

(See School of Engineering)

DIGITAL ARTS AND NEW MEDIA

Sept. 20, 2:00–5:00 P.M., D-245 Porter

DUAL DEGREE

Sept. 20, 9:00–10:15 A.M., 192 Engineering 2

EARTH SCIENCES

Sept. 20, 11:00 A.M.–12:00 noon,
D250 Earth and Marine Sciences

ECONOMICS

Sept. 20, 9:30–11:00 A.M.,
Engineering Lecture 101

ELECTRICAL ENGINEERING*

(See School of Engineering)

ENVIRONMENTAL STUDIES

Frosh orientation: Sept. 20, 9:00–10:00 A.M.,
221 ISB Building
Transfer student orientation: Sept. 20,
10:00 A.M.–12:00 noon, 221 ISB Building
Advising Fair: Sept. 21, 10:00 A.M.–12:00 noon,
221 ISB Building

FILM and DIGITAL MEDIA

Sept. 20, 10:00 A.M.–12:00 noon,
150 Communications

FRENCH

Sept. 20, 1:00–3:00 P.M., 131 Cowell

GERMAN

Sept. 20, 1:00–2:30 P.M., see faculty in Crown 202

HISTORY

Sept. 20, 10:30 A.M.–12:00 noon, Baobab Lounge,
Merrill College

HISTORY OF ART AND VISUAL CULTURE

Sept. 20, 10:00–11:00 A.M., 248 Porter Academy

INFORMATION SYSTEMS MANAGEMENT*

(See School of Engineering)

INFORMATION SCIENCES*

(See School of Engineering)

JAPANESE

Sept. 20, 1:00–2:30 P.M., 223 Cowell

LATIN AMERICAN AND LATINO STUDIES

Sept. 20, 11:00 A.M.–12:00 P.M., Casa Latina,
Third Floor

LEGAL STUDIES

Sept. 20, 10:15–11:15 A.M., Charles E.
Merrill Lounge

LINGUISTICS

Sept. 20, 10:00–11:00 A.M., 134 Cowell

LITERATURE

Sept. 20, 10:00–11:30 A.M., 321 Kresge

MATHEMATICS

Sept. 20, 11:00 A.M.–12:00 noon, 268 Jack Baskin

MUSIC

Sept. 20, 9:00–9:45 A.M., 101 Music Center
Recital Hall

PHILOSOPHY

Sept. 20, 10:00–11:00 A.M., 230 Stevenson

PHYSICS

Sept. 20, 10:00 A.M.–12:00 noon, 231 ISB

POLITICS

Sept. 20, 9:00–10:00 A.M., Charles E.
Merrill Lounge

PSYCHOLOGY

Sept. 20, Frosh, 9:00–10:00 A.M., Transfer stu-
dents, 10:00–11:00 A.M., B206 Earth and Marine
Sciences
Psychology Advising Fair: Sept. 21,
1:30–3:00 P.M., outside Soc Sci 2

*SCHOOL OF ENGINEERING

Bioinformatics, Computer Engineering, Computer
Science, Electrical Engineering, Information Sys-
tems Management, and Information Sciences clus-
ter
Freshmen: Sept. 20, 10:30 A.M.–12:00 noon, 152
Jack Baskin
Transfer students: Sept. 20, 10:30 A.M.–12:00
noon, 192 Engineering 2

SOCIOLOGY

Sept. 20, 10:00 A.M.–12:00 noon, 105 Oakes

THEATER ARTS

Sept. 20, 10:00 A.M.–11:00 A.M., J102 Theater Arts

WOMEN'S STUDIES

Sept. 20, 11:00 A.M.–12:00 noon, 327 Kresge

College Orientations

COLLEGE EIGHT

Please refer to the College Eight Welcome Mailing
(sent in late May to Frosh, June for Transfer
students) for information about College Eight
Academic Orientations and Freshman Core
Course enrollment. A college-specific Academic
Orientation will be required of all College Eight
students. Orientations are planned for the opening
days of fall quarter.

COLLEGE NINE

Refer to your college orientation materials for
schedule.

COLLEGE TEN

Refer to your college orientation materials for
schedule.

COWELL COLLEGE

Please refer to the Cowell College orientation
materials that you will be receiving from the
college.

CROWN COLLEGE

Location to be announced in college orientation
handbook.

KRESGE COLLEGE

Please refer to the Kresge College orientation
materials for scheduled time and location.

MERRILL COLLEGE

Sept. 17, Frosh and Transfer Orientations,
Merrill College (consult the college orientation
packet for details).

OAKES COLLEGE

Sept. 16, Move-in and Family Orientation
Sept. 17, Frosh Orientation, Oakes 105 & Oakes
Learning Center, 9:00 A.M.–3:00 P.M.
Sept. 19, Transfer Orientation, Oakes Learning
Center, 9:00 A.M.–1:00 P.M.
See Oakes College orientation materials sent in
August for a complete schedule.

PORTER COLLEGE

Refer to your college orientation materials for the
schedule.

STEVENSON COLLEGE

Please consult your August mailing from the Col-
lege for specific times and locations.

ENROLLMENT CONDITIONS

Enrollment Conditions for Interview Only Courses

Listed below are instructions for students wishing to enroll in Interview Only courses. These courses are identified with a Y in the consent-required column of the *Schedule of Classes*. Students wishing to enroll in these classes need to receive a permission number from the sponsoring agency or instructor.

BIOL 15, 75, 161, 161L, 185F, 185L, 186F, 186L, 189

Consult the Biological Sciences web site:
www.biology.ucsc.edu/ug/conditions.html.

CMMU 100K, 100M, 100Y

Admission determined at first class meeting. Please see department bulletin board for more information.

ENVS 130L (01-04)

Enrollment will be determined at first class meeting of course 130A.

FILM 170A, 170B

Application materials explain application process. Applications are available at department office beginning May 2.

FILM 150, 172, 178A, 178B

Application materials and instructions are available at department office beginning May 2. Priority will be given to students who have been accepted into the production concentration through the portfolio review.

LTCR 52, 53

Please bring a three- to seven-page writing sample to the first class meeting.

MERR 80X

Merrill College freshman are selected for this year-long scholars program on the basis of an application submitted prior to fall quarter.

MERR 85A, 85B

Contact Merrill College classroom connection coordinator at 459-5671 for permission to enroll.

MUSC 1A, 1C, 2, 9, 102, 165, 166

For audition/enrollment information please check bulletin board outside 127 Music Center beginning Sept. 19.

MUSC 3, 164

For audition/enrollment information please check bulletin board outside 127 Music Center beginning Sept. 19.

MUSC 4A-B, 5A-B-C, 30L, 51, 54

Admission by instructor determination at first class meeting.

MUSC 30A

Admission by taking the Music Core Curriculum Placement Exam (given Sept. 20, 10 A.M.–12:30 P.M., Music Center Recital Hall).

MUSC 60

Admission by instructor determination at first class meeting. Priority to Music 30, 13, and 14 students. Obtain call number Sept. 22–30 from 244 Music Center. Lesson application signed by instructor required. Application forms available Sept. 19 outside 127 Music Center.

MUSC 61, 62, 63, 161, 162, 196B, 261

(Applied Instruction) Application forms available Sept. 19 outside 127 Music Center. Obtain permission number Sept. 20, 1:30–4:30 P.M.; see bulletin board upstairs in the Music Center for details. Obtain call number Sept. 20-30 from Music Center 244. Lesson application signed by instructor required. Concurrent enrollment in an ensemble, with ensemble director's signature on application, is required for Music 61, 62, 161, 162.

MUSC 159A-B

Admission by permission of vocal instructor, or by audition (audition information posted outside 127 Music Center beginning Sept. 19).

MUSC 165, 265

Faculty sponsor required for chamber music workshops. Audition/enrollment information posted outside 127 Music Center beginning Sept. 19. Permission number available at the **beginning of the quarter** from the Music Department Office, 244 Music Center.

PHYE

For all courses with consent requirement, please attend the first class meeting.

PSYC 191A, 194A-B-C

Pre-enroll at Psychology Department Office, 273 Social Sciences 2. Advanced preparation required.

PSYC 193A-B-C-D

Advanced preparation and pre-enrollment required with Psychology Field Study Office, 273 Social Sciences 2.

THEA 55A, 55B, 151

Contact department for audition information.

THEA 121, 126

Audition at first class meeting.

WRIT 169A-B

Qualifications determined by the instructor at the first class meeting.

ENROLLMENT

Key Dates for Registration and Enrollment

(Refer to the Academic and Administrative Calendar for complete deadline information.)

Priority Enrollment

Continuing and Readmitted Students
May 18 – June 1

Open Enrollment

June 3 – September 12

Registration Fees Due

September 13 *

Enrollment Deadline

September 30†

Permission Numbers Required

October 1

Add/Drop/Swap

September 22

Grade Option Deadline

October 12

Withdraw from a Class

October 13 – November 2

Add by Petition Deadline

November 2

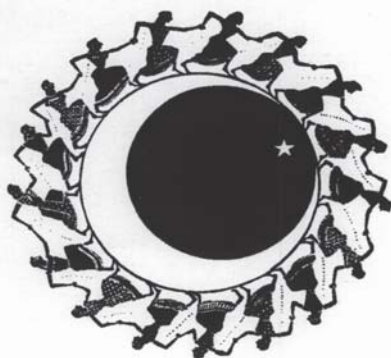
* If payment is not received by the cashier by 4:00 P.M., you will be dropped from your courses and assessed a \$50 late fee.
† You must be enrolled in at least one course or the \$50 late enrollment fee is assessed.

ADVERTISEMENT

“Pessimism of the intellect . . . Optimism of the will.”—Gramsci

UCSC Rape Prevention Education

graphic by Dorothy Dobbyn



workshops ★ films ★ theater
self-defense ★ verbal assertiveness
counseling ★ advocacy
safety tips ★ reference library
media critique ★ peer educators

♀ *Together we can make a difference!* ♂

ENROLLMENT INFORMATION

Continuing/Readmitted Student Appointment Schedule

Students may begin enrolling for classes at the designated appointment time and continue through the end of open enrollment at midnight September 12. There are no enrollment appointments on weekends and holidays. Please see the Academic and Administrative Calendar for deadline dates.

Graduate students, students with disabilities, Regents/Leadership Opportunity/Smith Society Scholars:

May 18

Seniors, Visitors, EAP Reciprocity:

May 18, 19

Juniors:

May 20, 23

Sophomores:

May 24, 25, 26

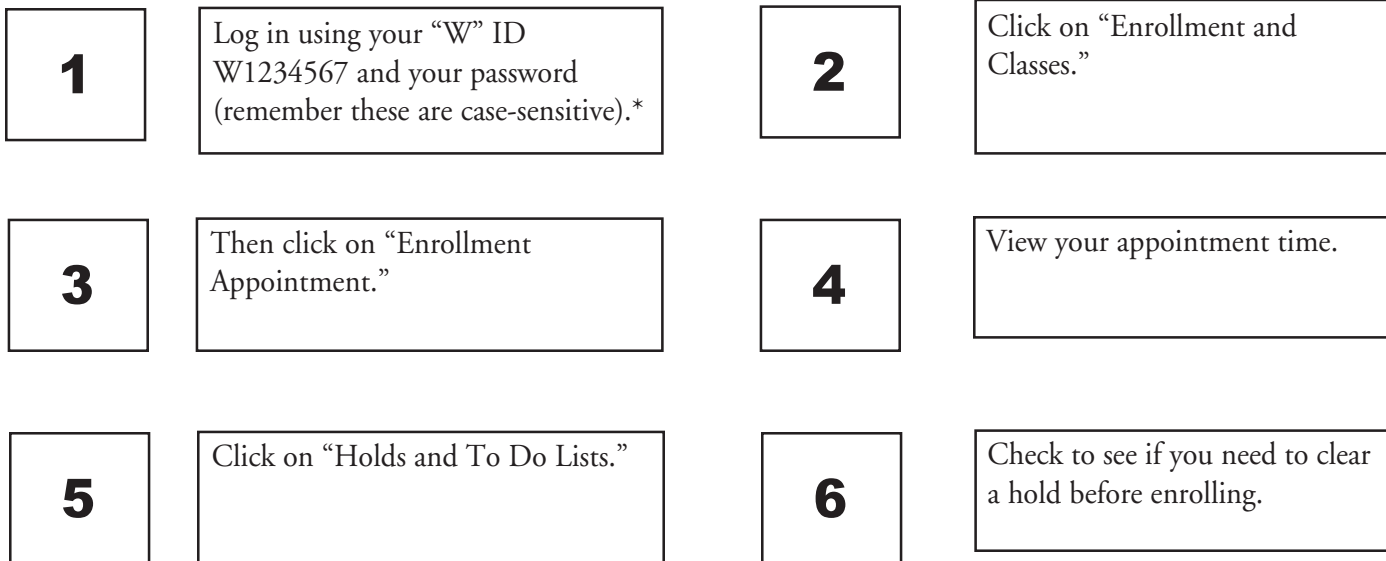
Freshmen:

May 27, 31, June 1

Open enrollment:

12:01 A.M., JUNE 3 – 11:59 P.M., SEPTEMBER 12

To find out your appointment time, log on to the MyUCSC portal at *my.ucsc.edu*



*Enrollment FAQs: <http://reg.ucsc.edu/faqs/enrollment.htm>

**OPEN ENROLLMENT
JUNE 3–SEPT. 12**

Determining Your Academic Level

Freshman: 0–44.9 credits

Soph: 45–89.9 credits

Junior: 90–134.9 credits

Senior: 135+ credits

ENROLLMENT INFORMATION

Student Responsibility

You are responsible for ensuring the accuracy of your enrollments. Your instructors, academic advisers, and the Office of the Registrar cannot enroll on your behalf. Be sure to verify your classes and grade options prior to the enrollment deadlines listed in the Academic and Administrative Calendar on pages 6–7.

Get Prepared

Use the following helpful hints to assist you in completing your enrollment. It is recommended that you consult with your academic preceptor or major adviser prior to selecting your classes.

1. Check the listing of courses offered this quarter in this *Schedule of Classes*, and make some preliminary selections. Updated information can be found in the online schedule at reg.ucsc.edu/soc/.
2. Use the Schedule Planner found in this *Schedule of Classes*. With your preliminary selections of classes, complete the planner, making sure the classes you have selected do not conflict with each other or with any other time commitments (i.e., work or extracurricular activities).
3. Enter the 5-digit class numbers into the Schedule Planner. Make sure to have class numbers for mandatory sections and alternates in case the section is full. Completing the above steps will help you to complete your enrollment.

Holds on Enrollment

A hold may be placed on your enrollment for various reasons including unpaid debts, junior standing without a declared major, and others. When you attempt to enroll in AIS, a hold creates an error message. Students may view their holds by logging on to the MyUCSC portal and clicking on the Holds and To Do Lists link. Information on how to remove the hold is included.

Appointment Times

Students may view their priority enrollment appointment time by logging into the MyUCSC portal at my.ucsc.edu and clicking on Enrollment and Classes and then clicking on the *Enrollment Appointment* link.

Appointment Time Problems

If you are not eligible to enroll, consider the following circumstances:

- verify your appointment time;
- if you were anticipating transfer credit to change your academic level, or if you check your credits and still believe the academic level is wrong, call the enrollment Help Line;

- if you planned to study abroad with the Education Abroad Program (EAP) but your plans have changed, contact your EAP adviser;
- if you filed an Announcement of Candidacy, and your plans have changed, reschedule your candidacy at the Office of the Registrar;
- if you are barred or disqualified, contact your college.

If you cannot determine the reason for your appointment time problem, contact the Help Line.

Minimum/Maximum Credits

Standard course loads for UCSC students

Undergraduate students are expected to take a minimum of 15 credits and may enroll in up to 19 credits. Graduate students are expected to enroll in at least 10 credits and no more than 19 credits. If you wish to take a nonstandard course load, meet with your college academic preceptor or graduate adviser. He or she will make sure the new credit limit is entered into the system so that you can go below 15 or over 19 credits.

When minimum credits are enforced

Prior to the start of instruction to reduce difficulties in processing exchanges, minimum credits are not enforced. Once instruction begins, you will not be able to drop below minimum credits unless you obtain approval from your academic preceptor or graduate adviser. Financial aid recipients should be cautious; certain aid will not be disbursed if enrollment is less than full-time.

When maximum credits are enforced

Students may enroll in no more than 19 credits prior to the first day of instruction. Once instruction begins, enrolling above the maximum allowed credits (19 for both undergraduates and graduates) is only allowed with the approval of your academic preceptor or graduate adviser.

Class Numbers

Every course has a 5-digit class number which is used for enrollment. The class number appears in the first column in the *Schedule of Classes*. A Y in the second Consent Required column indicates an Interview Only course. To enroll in one of these classes, read the section, Enrollment Conditions for Interview Only Courses, on page 11. Obtain a permission number from the instructor or department in order to enroll.

To enroll in independent study, you must first obtain a petition for independent study at the department, college, or division office. The sponsoring agency will assign a class number, and then you may enroll online.

Requirements

(Prerequisites and Restrictions)

- A class that has a prerequisite means that other courses must be completed or a placement

exam must be satisfied before the course can be taken. Classes for which a “D,” “F,” “NP,” “W,” or “I” is received do not satisfy prerequisite requirements.

- A class with restrictions is available only to certain categories of students.

Refer to Reading the Class Listings, page 39, or to the *UCSC General Catalog* to determine the prerequisites or restrictions of a class.

Prerequisites satisfied at other institutions

If you believe course work completed at another institution satisfies a prerequisite, contact the department sponsoring the class.

Secondary Discussion Sections/Labs

What is a secondary discussion section/lab?

A section is a smaller discussion group or lab class which is taken as part of a credit course, but no credit is awarded. Secondary sections/labs are always listed directly below the main lecture. Not all secondary sections require enrollment.

Swapping Sections

To swap sections it is not necessary to drop the class. Use the swap function. For more information, see reg.ucsc.edu/staff/ais_info/pdf/How_to_swap.pdf.

When the lecture or sections are closed (full)

If there is space in the lecture, but you cannot find an open section, you cannot enroll in the class. If you have a permission number for the lecture and all the sections are full, contact the course sponsoring agency for assistance.

Concurrent Enrollment

When a note below the class title indicates concurrent enrollment, previous or concurrent enrollment in another class is required. For example, if you enroll in BIOL-169L-01, you should concurrently enroll in the associated class, which is BIOL-169-01.

The term, “concurrent enrollment,” can be confusing. Please note:

- it is not the same as a discussion section (see Secondary Discussion Sections/Labs above);
- it is not the same as concurrent enrollment through UC Extension, in which a person enrolls in a regular UCSC course as an Extension student.

Class Permission Numbers

A class permission number is an assigned number that allows you to enroll in a class. It is specific to a class and can be used only once. Also, after an unsuccessful attempt to add a class, the number can't be used again.

To obtain a class permission number, consult with the instructor or department.

ENROLLMENT INFORMATION

What a class permission number can override

A class permission number will override course restrictions and/or prerequisites, and it will override the closed (full) status of a class.

What a class permission number CANNOT override

Class permission numbers cannot override time conflicts, your maximum allowed units, holds, or a closed (full) section.

Time Conflicts

Why you might have a time conflict

Courses which have the same start and end times are considered a time conflict. If the printed *Schedule of Classes* does not indicate a time conflict, check online at reg.ucsc.edu/soc for the most up-to-date class information. Permission numbers do not override full sections.

How to resolve a time conflict

If your classes overlap but you believe that you can complete both classes in spite of the conflict, you should call the Help Line at 459-3939 for assistance.

Retaining Enrollments

To retain a seat in your classes, you **must** attend the first class meeting. Instructors **may** administratively drop anyone who does not attend.

Enrolling after Instruction Begins

Attend the first class meeting of any classes you want to add. You must obtain the instructor's permission to add the course. If necessary, the instructor will issue a class permission number.

Verify Your Enrollments

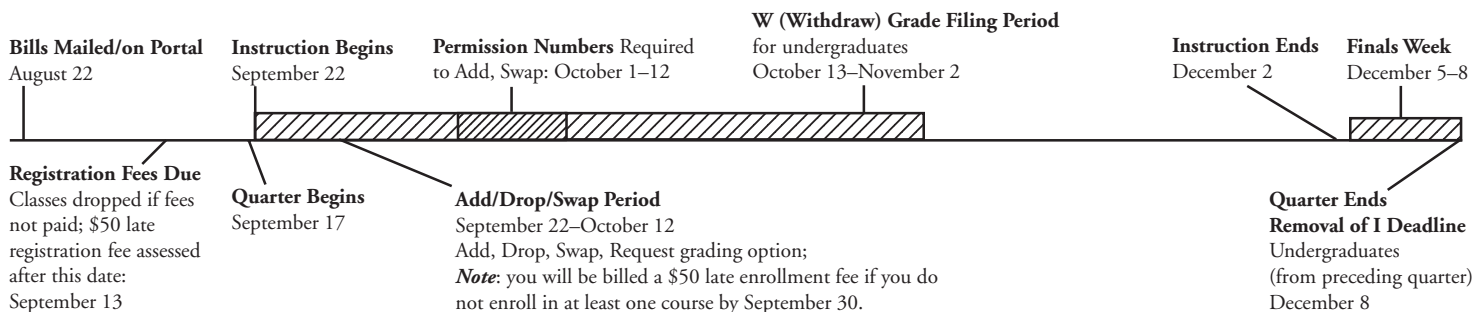
It is recommended that you verify your classes and grade options after you complete your enrollment transactions and print a copy of your schedule.

U.S. Ethnic Studies Courses for Fall 2005

In recognition of increasing faculty and student interest in studies related to major ethnic groups in the United States, many courses have been added in this area. Below is a sampling of courses offered fall quarter that focus on comparative studies or on one of these U.S. ethnic groups: African American, Asian American, Chicano, Jewish, or Native American. These courses, among others, may be used to satisfy the U.S. Ethnic Minorities/Non-Western Society ("E") general education requirement.

AMST 2	<i>California and Californians</i>
AMST 80E	<i>U.S. Racial and Ethnic Histories and Formations</i>
AMST 123F	<i>Native American Women</i>
AMST 126C	<i>Chicana/o Literature and Film</i>
CMMU 80B	<i>Civil Rights Movement: Grassroots Change and American Society</i>
CMMU 80Q	<i>Asian American Health</i>
EDUC 181	<i>Race, Class, and Culture in Education</i>
HIS 186	<i>Asian American History, 1941-Present</i>
HAVC 190B	<i>The Virgin Guadalupe: Images and Symbolism in Spain, Mexico, and the U.S.</i>
LALS 1	<i>Introduction to Latin American and Latino Studies</i>
LALS 80Q	<i>Musica Latina</i>
LALS 146	<i>Urban Crisis in the Americas</i>
LALS 173	<i>Latin American Immigration to the U.S.</i>
LTSP 134S	<i>Indians, Nations, and Other Fabrications</i>
LTWL 190A	<i>Topics in World Literature and Cultural Studies</i>
MUSC 11B	<i>Introduction to Jazz</i>
OAKS 80	<i>Values and Change in a Diverse Society</i>
SOCY 129	<i>Popular Culture</i>
SOCY 156	<i>U.S. Latina/o Identities: Centers and Margins</i>
STEV 80H	<i>Rainbow Theater: An Introduction to Multicultural Theater</i>

Fall 2005 Registration and Enrollment Timeline



COURSES WITH FEES

The following is a list of the Campus Course Materials Fees that have been approved by the Miscellaneous and Course Materials Fee Advisory Committee to be charged for courses in 2005–06. Contact the departments for more information. This list is also available on the web at reg.ucsc.edu/coursefees.html.

Anthropology

ANTH 107L/207L *Anatomy of Human Body Lab* .. \$60

Art

ART 10G *2D Foundation* \$5
 ART 10H *3D Foundation* \$45
 ART 10J *Technology Foundation* \$15
 ART 20 *Introduction to Drawing for Majors* \$25
 ART 21 *Introduction to Computer Art* \$40
 ART 22 *Intro to Electronics for Intermedia* .. \$30
 ART 23 *Intermedia I* \$32
 ART 24 *Introduction to Painting (Oil)* \$48
 ART 26 *Introduction to Printmaking* \$70
 ART 28 *Introduction to Figurative Sculpture* \$75
 ART 29 *Begin Intermedia: 3D Approaches* ... \$42
 ART 30 *Intro to Photography for Art Majors* \$70
 ART 37 *Material Metaphor I* \$42
 ART 39 *Public Art I: Community, Site, and Place* \$50
 ART 40 *Sculpture I* \$53
 ART 60 *Forms and Ideas* \$15
 ART 80D *Introduction to Photography* \$25
 ART 101 *Intermediate/Advanced Drawing* ... \$35
 ART 102 *Figure Drawing* \$40
 ART 103 *Intermediate/Advanced Painting* ... \$48
 ART 104 *Special Topics in Painting* \$48
 ART 106A-B *Sr. Studio in Draw/Paint* \$48
 ART 107 *Mixed Media Works on Paper* \$25
 ART 109 *Intermedia II* \$32
 ART 110 *Special Topics: Interactive Art* \$16
 ART 112 *Intaglio I* \$57
 ART 113 *Relief and Intaglio Printmaking II* . \$57
 ART 114 *Lithography I* \$57
 ART 115 *Lithography II* \$67
 ART 116A-B *Sr. Studio Printmaking* \$70
 ART 117 *Special Topics in Printmaking* \$70
 ART 117A *Monoprinting/Mixed Media Printmaking* \$60
 ART 118 *Computer Art: Thrs, Mthds, Prctics* \$36
 ART 119 *Digital Video* \$45
 ART 120 *Adv Projects in Computer Art I* \$45
 ART 123 *Dig Printmkg in Contem Art Prac* \$65
 ART 126 *Art of Bookmaking* \$55
 ART 130 *Intermediate Photography* \$67
 ART 131 *Advanced Photography* \$67
 ART 132 *Color in Photography* \$77
 ART 133A-B *Sr. Studio in Photography* \$67
 ART 134 *Special Topics in Photography* \$70
 ART 135 *Intro Digital Photography* \$55
 ART 136 *Adv Digital Photography* \$55
 ART 138 *Intermediate/Adv Sculpture* \$43
 ART 139 *Intermed/Adv Sculpture Foundry* \$150
 ART 140 *Metal Sculpture* \$81
 ART 141 *Sculpture II* \$65
 ART 143 *Adv Intermedia: 3D Approaches* ... \$42
 ART 144 *Site Works* \$42
 ART 145 *Material Metaphor II* \$47

ART 146 *Special Topics Intermedia/Sculpture* \$50

ART 148 *Special Topics Sculpture/Public Art* \$55

ART 156 *Topics in Public Art: Memory, Landscape, and Artist as Activist* \$50

ART 159A-B *Senior Studio in Intermedia, Sculpture, and Electronic Art* \$60

ART 161 *Picturing Identity: Docmnt & Cultr* \$65

Biochemistry and Molecular Biology

BIOC 110 *Biochemistry Lab* \$40

Biology

BIOL 20L *Experimental Biology Laboratory* \$20

BIOL 75 *Scientific Diving Certification* \$300

BIOL 100L *Biochemistry Laboratory* \$40

BIOL 105L *Eukaryotic Genetics Laboratory* .. \$40

BIOL 105M *Microbial Genetics Laboratory* .. \$25

BIOL 109L *Yeast Molecular Genetics Lab* \$40

BIOL 116L *Eukaryotic Molecular Biol Lab* .. \$40

BIOL 119L *Microbiology Laboratory* \$40

BIOL 120L *Development Laboratory* \$40

BIOL 128L *Neural Genetics Laboratory* \$40

BIOL 130L *Human Physiology Laboratory* .. \$10

BIOL 131L *Animal Physiology Laboratory* ... \$10

BIOL 135L *Anatomy of the Human Body Lab* \$60

BIOL 136L *Invertebrate Zoology Laboratory* \$25

BIOL 137L *Ichthyology Laboratory* \$25

BIOL 139L *Biology of Marine Mammals Lab* \$10

BIOL 141L *Ecological Field Methods* \$20

BIOL 143L *Fld Methods Herpetological Resch* \$15

BIOL 144L *Ornithology Field Studies* \$25

BIOL 145L *Behavioral Ecology Field Course* ... \$40

BIOL 160L *Marine Ecology Laboratory* \$10

BIOL 161L *Kelp Forest Ecology Laboratory* . \$40

BIOL 162 *Marine Ecology Field Quarter* . \$2,500

BIOL 168L *Systematic Botany of Flowering Plants Laboratory* \$20

BIOL 169L *Field Methods in Plant Ecology* . \$25

BIOL 170L *Marine Botany Laboratory* \$10

BIOL 176L *Molecular Ecology/Evolution Lab* \$10

BIOL 187L *Molecular Biotechnology Lab* \$40

Chemistry

CHEM 1M *General Chemistry Laboratory* \$5

CHEM 1N *General Chemistry Laboratory* ... \$20

CHEM 80H/80L *Intro to Wine Chemistry* .. \$40

CHEM 108L-M *Organic Chemistry Lab* \$25

CHEM 112L-M-N *Organic Chemistry Lab* . \$40

CHEM 122 *Principles Instrumental Analysis* \$40

CHEM 146A *Adv Lab Organic Chemistry* ... \$40

CHEM 146B *Adv Lab Inorganic Chemistry* . \$40

CHEM 146C *Adv Lab Physical Chemistry* ... \$40

CHEM 151L *Inorganic Chemistry Lab* \$40

CHEM 164B *Physical Chemistry Lab II* \$25

Computer Engineering

CMPE 100L *Logic Design Laboratory* \$30

CMPE 117L *Embedded Software Laboratory* \$30

CMPE 118L *Introduction to Mechatronics Laboratory* \$30

CMPE 121L *Micropro Syst Design Lab* \$160

CMPE 123A *Engineering Design Project I* . \$35–\$150

CMPE 123B *Engineering Design Project II* \$35–\$150

CMPE 125L *Logic Design w/ Verilog Lab* \$25

CMPE 126L *Advanced Logic Design Lab* \$25

CMPE 151 *Network Administration* \$30

CMPE 156L *Network Programming Lab* \$30

CMPE 163L *Multimedia Processing/Applications Laboratory* \$25

CMPE 172L *Linear/Non-Linear Circuits* \$15

CMPE 173L *Hi Speed Dig Design Lab* \$85

Digital Arts and New Media

DANM 219 *Introduction to Electronics for Artmaking* \$35

Earth Sciences

EART 5L *California Geology Laboratory* \$10

EART 10L *Geologic Principles Laboratory* ... \$10

EART 20L *Environmental Geology Laboratory* \$10

EART 104 *Geologic Hazards* \$10

EART 105 *Coastal Geology* \$10

EART 109 *Elements of Field Geology* \$20

EART 116 *Hydrology* \$10

EART 117 *Paleomagnetism* \$20

EART 120 *Sedimentology and Stratigraphy* .. \$20

EART 130 *Magma and Volcanoes* \$10

EART 142 *Soil Properties and Mechanics* \$10

EART 146 *Groundwater* \$10

EART 150 *Structural Geology* \$20

EART 188A-B *Senior Field Internship*

UCSC Students \$1,800

Non-UCSC Students \$2,000

UCSC Students 1 Session \$1000

Non-UCSC Students 1 Session \$1100

EART 205 *Introductory Graduate Seminar* .. \$20

Electrical Engineering

EE 70L *Intro Electronic Circuits Lab* \$30

EE 123A *Engineering Design Project I* .. \$35–\$150

EE 123B *Engineering Design Project II* . \$35–\$150

EE 125 *Electrical Eng Hardware Design I* \$10–\$40

EE 126 *Electrical Eng Hardware Design II* . \$10–\$80

EE 130L *Intro to Optoelectronics Lab* \$20

EE 135L *Electromagnetic Flds & Waves Lab* \$45

EE 145L *Properties of Materials Lab* \$45

EE 171L *Analog Electronics Lab* \$30

Engineering

For more information on fees for School of Engineering courses, see the web site at www.soee.ucsc.edu/administration/labs/

ENGR 50L *Engineering Mechanics Lab* \$20

Film and Digital Media

Fees for film courses may be less than published below or not charged for a particular quarter. Con-

Continued on next page

COURSES WITH FEES

tact the Film and Digital Media Department for more information.

FILM 20A <i>The Film Experience</i>	\$15
FILM 20B <i>Intro to TV Culture and Society</i> ...	\$4
FILM 20C <i>Intro to Digital Media</i>	\$7
FILM 20P <i>Intro to Production Technique</i>	\$15
FILM 80A <i>Technothrillers</i>	\$4–\$5
FILM 120 <i>Intro to Film Theory & Criticism</i> \$10–\$15	
FILM 130 <i>Silent Cinema</i>	\$20
FILM 132A-B <i>International Cinema to 1960</i> \$20	
FILM 132C <i>Gender and Global Cinema</i>	\$15
FILM 134A <i>American Film, 1930–1960</i>	\$20
FILM 134B <i>American Film, 1960–Present</i> ...	\$20
FILM 136A <i>Experimental Film and Video</i> ...	\$20
FILM 136B <i>History of Television</i>	\$15
FILM 136C <i>Visual Culture and Technology</i> .	\$20
FILM 142 <i>Beyond Cybernetics: Adv Topics in New Media Technologies</i>	\$15
FILM 160 <i>Film Genres</i>	\$20
FILM 161 <i>Documentary Film and Video</i>	\$20
FILM 162 <i>Film Authors</i>	\$20
FILM 165A <i>Film, Video, and Gender</i>	\$20
FILM 165B <i>Race on Screen</i>	\$20
FILM 165C <i>Lesbian, Gay, Queer Film & Video</i> ..	\$20
FILM 165D <i>Asian Americans and Media</i>	\$20
FILM 168 <i>National Cinema and Culture</i>	\$20
FILM 170A <i>Intro to Digital Media Production</i>	\$15
FILM 170B <i>Fundamentals Film/Video Productn</i> .	\$15
FILM 171A <i>Sound</i>	\$20
FILM 172 <i>Film/Video Studio</i>	\$20
FILM 173 <i>Narrative Workshop</i>	\$20
FILM 175 <i>Documentary Video Workshop</i> ...	\$20
FILM 176 <i>Experimental Video Workshop</i>	\$20
FILM 177 <i>Digital Media Workshop</i>	\$20
FILM 185 <i>Special Topics in Film and Video</i> .	\$20
FILM 187 <i>Adv Topics in TV Studies</i>	\$8
FILM 189 <i>Adv Topics in Digital & Electronic Media Studies</i>	\$10
FILM 194A <i>Film Theory Seminar</i>	\$15
FILM 194B <i>Electronic Media Theory Seminar</i> \$15	
FILM 194C <i>New Media Theory Seminar</i>	\$15

FILM 194D <i>Film History Seminar</i>	\$12
FILM 194E <i>International Cinemas</i>	\$15
FILM 194F <i>Film and Other Arts: Music/Dance</i> \$15	
FILM 194G <i>New(s) Media</i>	\$15
FILM 196A <i>Sr. Project Film/Video Producn</i> \$20	
FILM 197 <i>Sr. Digital Media Workshop</i>	\$20
FILM 283 <i>New Media Art and Digital Culture</i> \$20	

Music

MUSC 1C <i>University Concert Choir</i>	\$10
MUSC 2 <i>University Orchestra</i>	\$10
MUSC 3 <i>Large Jazz Ensemble</i>	\$10
MUSC 9 <i>Wind Ensemble</i>	\$10
MUSC 60 <i>Group Piano Maj/Min</i>	\$65
MUSC 60 <i>Group Piano Nonmaj/Nonmin</i> ...	\$75
MUSC 61 <i>Indv Lessons (½hr) Maj/Min</i>	\$100
MUSC 61 <i>Indv Lessons (½hr) Nonmaj/Nonmin</i> \$130	
MUSC 62 <i>Indv Lessons (1hr) Maj/Min</i>	\$150
MUSC 62 <i>Indv Lessons (1hr) Nonmaj/Nonmin</i> \$190	
MUSC 63 <i>Grp Instr/Vocal Maj/Min</i>	\$65
MUSC 63 <i>Grp Instr/Vocal Nonmaj/Nonmin</i>	\$75
MUSC 159A-B <i>Opera Workshop</i>	\$10
MUSC 160 <i>University Opera Theater</i>	\$10
MUSC 161 <i>Indv Lessons (1hr)Maj/Min</i>	\$150
MUSC 161 <i>Indv Lessons (1hr) Nonmaj/Nonmin</i> \$190	
MUSC 162 <i>Adv Lessons (1hr) Maj/Min</i>	\$150
MUSC 162 <i>Adv Lessons (1hr) Nonmaj/Nonmin</i> \$190	
MUSC 166 <i>Chamber Singers</i>	\$10
MUSC 196B <i>Sr. Recital Prep (w/indiv lessons)</i> \$150	
MUSC 261 <i>Grad Applied Instr (1 hr) Major</i> \$150	

Physical Education

PHYE 5E <i>Aquatics: Lifeguard Training</i>	\$90
PHYE 5F <i>Water Safety Instructor</i>	\$55
PHYE 5R <i>Aquatics: Basic Scuba Diving</i>	\$60
PHYE 5T <i>Aquatics: Adv Scuba Diving</i>	\$80
PHYE 9B <i>Boating: Basic Sailing</i>	\$45
PHYE 9C <i>Boating: Intermed Sailing: Dinghy</i> ..	\$45
PHYE 9C <i>Boating: Intermed Sailing: Keelboat</i>	\$50
PHYE 9D <i>Boating: Adv Sailing: Dinghy</i>	\$45
PHYE 9D <i>Boating: Adv Sailing: Keelboat</i>	\$50
PHYE 9J <i>Boating: Basic & Intermed Rowing</i> \$40	

PHYE 15N <i>Court Sports: Tennis</i>	\$8
PHYE 20A <i>Dance: Ballet</i>	\$15
PHYE 20C <i>Dance: Jazz</i>	\$10
PHYE 20D <i>Dance: Modern</i>	\$15
PHYE 25A <i>Fencing: Épée</i>	\$10
PHYE 25B <i>Fencing: Foil</i>	\$10
PHYE 25C <i>Fencing: Sabre</i>	\$10

Theater Arts

THEA 12 <i>Production Management</i>	\$10
THEA 14 <i>Drawing</i>	\$20
THEA 17 <i>Costume Construction</i>	\$25
THEA 18 <i>Drafting for Theatrical Production</i> \$25	
THEA 19 <i>Design Studio: Lighting Studio A</i> ..	\$20
THEA 30 <i>Intro Mod Dance Theory/Technique</i> \$21	
THEA 32 <i>Introduction to Ballet</i>	\$21
THEA 33 <i>Advanced Intro Modern Dance</i>	\$21
THEA 36 <i>Introduction to Dance Composition</i> \$21	
THEA 80Y <i>The Broadway Musical</i>	\$21
THEA 107 <i>Design Studio: Masks/Makeup</i> ...	\$25
THEA 110 <i>Advanced Stage Technology</i>	\$20
THEA 114 <i>Design Studio: Sound</i>	\$20
THEA 115 <i>Design Studio: Scenic Design</i>	\$15
THEA 116A <i>History of Clothing/Costume</i> ..	\$25
THEA 117 <i>Design Studio: Costume</i>	\$25
THEA 118 <i>Design Studio: Scene Painting</i>	\$25
THEA 119 <i>Design Studio: Lighting Studio B</i> ...	\$25
THEA 129 <i>Advanced Ballet</i>	\$21
THEA 130 <i>Intermediate Modern Dance Theory and Technique</i>	\$21
THEA 131 <i>Advanced Modern Dance Theory and Technique</i>	\$21
THEA 132 <i>Modern Dance Studio</i>	\$21
THEA 135 <i>Dance Improvisation and Theory</i> ..	\$21
THEA 136 <i>Intermediate Ballet</i>	\$21
THEA 137 <i>Studies in Performance (Dance)</i> ..	\$21
THEA 138 <i>Movement Research in New Arts Praxis</i>	\$21
THEA 139 <i>Random: With a Purpose</i>	\$21
THEA 161V <i>The Broadway Musical</i>	\$21

ELECTRONIC FUNDS TRANSFER (EFT) FORM



University of California, Santa Cruz, Office of Student Business Services
203 Hahn Student Services, Santa Cruz, CA 95064 (831) 459-2107

**DON'T WAIT WEEKS FOR YOUR REFUND CHECK
TO ARRIVE IN THE MAIL!**

Electronic Funds Transfer (EFT) Authorization for Financial Aid and Credit Balance Refunds

New

Change

Cancellation

Date:

NAME (LAST, FIRST, MIDDLE)

STUDENT ID #

EFT-Automatically deposit my refund to my bank account at the following financial institution:

Bank Name: _____ **Branch:** _____

Select *ONE* account type below:

Checking (You must attach a voided check.)

Savings

Bank Routing: _____ **Account #:** _____

I hereby authorize: (1) the University of California, Santa Cruz to deposit my refund via electronic transfer of funds, and to initiate, if necessary, debit entries and adjustments for any credit entries in error; (2) my financial institution to credit my refund to my account. This authorization will remain in effect until canceled in writing, or upon graduation. Your EFT disbursement confirmation (equivalent to your check stub) will be mailed to your college box if you are an undergraduate student, or to your department if you are a graduate student.

A new authorization must be completed if you change accounts, close your account, or change banks. Failure to do so will cause a delay in receiving your refund. I understand that I must inform the Office of Student Business Services if I withdraw from the university. If I receive money that I am not entitled to, I understand that I am responsible for repayment.

SIGNATURE

LOCAL PHONE

COLLEGE ADDRESS OR DEPARTMENT

E-MAIL ADDRESS (IF AVAILABLE)

Check out our web site at sbs.ucsc.edu.

REGISTRATION PAYMENT INFORMATION

Billing Statements

In addition to the monthly billing statements, you may view your account on the MyUCSC portal to check for new charges, confirm that your payment was received, or other adjustments were made to your account. Fall charges will be viewable on the portal by August 18.

Statement of Account Mailing Address

Please update your addresses to ensure timely delivery of statements. Statements are mailed to the mailing address on file unless a billing address was established. Late fees will not be waived due to an incorrect or outdated address.

You may establish a separate billing address or update your local mailing address online at the MyUCSC portal at my.ucsc.edu. For more information regarding addresses and changing your address, see Address Changes, page 26.

If you do not receive a Statement of Account, you are still responsible for meeting payment deadlines. Statements cannot be reproduced, but you can see your account on the MyUCSC portal, my.ucsc.edu. If you have questions about your fees, call the Office of the Registrar at 459-4412; or e-mail registrar@ucsc.edu.

Questions about other charges or about making the payment are answered by Student Business Services at (831) 459-2107 or oarinfo@ucsc.edu.

Payment of Fees

Deadline to pay registration fees is Tuesday, September 13, 2005, for undergraduates and September 30, 2005, for graduate students. Undergraduate classes are dropped and a \$50 late registration fee is assessed if payment is not received by the Cashier by 4:00 P.M. on the due date. Postmarks will not be used to validate on-time payment.

See the Financial Aid section on the following page if:

- you applied for financial aid, but have not been notified of your eligibility; or
- you received your financial aid Offer Letter, but financial aid credits do not appear on your account summary on the MyUCSC portal.

If you cannot pay your fees in full by the deadline, sign up for the Deferred Payment Plan (DPP) and pay the first installment by September 13, 2005. Please read about the Deferred Payment Plan for more information.

If you find yourself having to make payment on the due date, you are encouraged to make payment in person to our Cashier's Office to ensure immediate account credit. To avoid late fees, on the deadline payments can be made up until 4:00 P.M. through the Cashier's window or up until 3:00 P.M. through the Cashier's depository (located on the north wall in the Hahn Building). The campus does not accept credit cards for payment.

Graduate students will be assessed the \$50 late fee if fees are not received by September 30. Graduate student enrollments are not dropped for nonpayment.

See Withdrawal during a Quarter for information about refunds for registration fees.

Returned Checks

If your registration check is returned by the bank, you will be subject to a \$25 returned check fee for the first offense and \$35 for each subsequent returned check and, if applicable, a \$50 late registration fee. A hold is placed on enrollment if you do not clear the check. Personal checks will not be accepted from students who chronically have checks returned by the bank.

Late Registration

If you pay your fees and enroll after September 13, you will be assessed both the \$50 late registration fee and the \$50 late enrollment fee. October 12 is the last day to register and enroll.

Deferred Payment Plan (DPP)

The Deferred Payment Plan (DPP) provides an alternative method of budgeting and paying registration fees. It allows these fees, to the extent not covered by scholarships, loans, or other financial aid, to be paid in monthly installments. Students have a choice of applying for a three-month plan for an individual quarter's fees or for a nine-month plan, available at the beginning of the fall quarter only, to be used for the fall, winter, and spring quarters. A nonrefundable application fee of \$25 for the three-month plan and \$60 for the nine-month plan is required. Any student in good financial and academic standing may apply for DPP. Students receiving financial aid sufficient to cover registration fees in full are not eligible for this plan. For more information about how to apply for DPP, application deadlines, and campus

policies regarding the program, contact the Office of Student Business Services at 203 Hahn Student Services Building, (831) 459-2107, or at oarinfo@ucsc.edu. See the DPP Application on page 22.

Nonresident Students

If you are classified a nonresident for tuition purposes, and you believe that you will be eligible for resident status for fall quarter 2005, petition for change of residence status at the Office of the Registrar. Petitions must be filed before spring quarter begins. For more information, see reg.ucsc.edu.

Health Insurance

Students who do not waive the health insurance fee by the waiver deadline are covered by the university policy and must pay the insurance fee. Health insurance information and a waiver form are available online at www2.ucsc.edu/healthcenter or call 459-2389 or e-mail insure@ucsc.edu. For 2004-05, the health insurance cost was \$189 per quarter for undergraduate students and \$513 for graduate students. The rates will increase for 2005-06. Waivers filed in fall 2005 are also effective for winter and spring 2006.

Part-Time Study for Undergraduates

If you are unable to maintain a full-time program of study because of employment responsibilities, family obligations, or health problems, you may be eligible for a 50 percent reduction in the educational fee and in the nonresident tuition fee (if applicable). To qualify for reduced fees, you must be approved for the Part-Time Program and be enrolled in 10 quarter credits or fewer. If you exceed 10 credits in a quarter, you must pay full fees. The last day to apply for the Part-Time Program for fall quarter 2005 is September 30.

For information regarding the Part-Time Program, check reg.ucsc.edu; or call the Office of the Registrar

Breakdown of Registration Fees

The fees for fall 2005 listed below are proposed at the time of this publication. Check your billing statement for the amount due for fall registration. *Fees, tuition, and other charges are subject to change through action by the UC Regents. For updated information, refer to reg.ucsc.edu/fees/fees.html.*

Required Fees	Undergraduate	Graduate
University Reg Fee	\$ 245.00	\$ 245.00
Educational Fee	1,802.00	2,054.00
Campus Fees	<u>257.30</u>	<u>242.75</u>
Total (residents)	\$ 2,304.30	\$ 2,541.75
Nonresident Tuition	5,768.00	4,898.00
Educational Fee Differential	<u>160.00</u>	<u>81.00</u>
Total (nonresidents)	\$ 8,232.30	\$ 7,520.75

*See Courses With Fees, page 17, for information about course fees.

REGISTRATION INFORMATION

at 459-4412 before the deadline listed above.

Financial Aid

Read the sections below which apply to your circumstances:

You applied for aid, but have not been notified of your eligibility; or you received a Financial Aid Offer Letter, but financial aid credits do not appear on your summary on your MyUCSC portal account.

The first thing to check is your enrollment. Aid will not disburse until you are enrolled in classes. Then, log on to the MyUCSC portal, my.ucsc.edu, before the registration deadline and review the following links: "To Do List," "View Holds," and "View My Financial Aid." Be sure you have provided all requested information in the "To Do List." Be sure you have accepted the financial aid you are expecting to receive. Take necessary actions to resolve any "Holds." If you still have questions you may contact the Financial Aid Office at 459-2963 between 8 A.M. and 5 P.M. The Financial Aid Office is located at 201 Hahn and is open weekdays from 9 A.M. to 4 P.M. (except Fridays, when it opens at 10 A.M. and closes at 2 P.M.). The e-mail address is fin_aid@ucsc.edu.

Your financial aid credits have appeared on your account summary.

You must use your own resources to pay any balance by the deadline in order to keep your place in the classes in which you enrolled.

If the amount due on your statement is 0, or if it shows a credit balance, you are not required to take any action.

If your statement has a credit balance, this is the amount we owe you. If you have authorized electronic funds transfer (EFT), the funds will be disbursed directly to your personal bank account on the first day of the quarter; otherwise a check will be mailed to your local address on the first day of the quarter.

Electronic Funds Transfer for Financial Aid Refunds

Student Business Services (SBS) will use EFT/Direct Deposit to deposit financial aid refunds into your personal bank account. EFT assures that you receive financial aid in the most efficient and direct manner. Obtain the EFT authorization form (see page 19 for a copy of the EFT form) in person or online at sbs.ucsc.edu and return the completed form to SBS (203 Hahn Student Services Building).

Withdrawal During a Quarter

You may find it necessary to withdraw from UCSC during a quarter. File a Petition for Withdrawal/Leave of Absence at your college office. Return your student ID with your petition. Refunds of any registra-

tion fees cannot be made unless your ID card is returned. The effective date for determining a refund of fees is the date the student notifies the college of the withdrawal. It is presumed that no university services are provided to you after withdrawal from the university with the exception of leave of absence benefits. (Also, see Withdrawal/W grade information on page 23.) Graduate students should contact the Division of Graduate Studies.

Withdrawal and Financial Aid Recipients

A financial aid adviser will receive and process your withdrawal petition. Depending on the withdrawal date, you may be billed for some or all of the aid you received. If you plan to return to UCSC a subsequent academic year, remember to meet the March 1 and May 1 deadlines each year in order to be considered for all forms of aid available. Students who submit requested documents after May 1 will be packaged on a funds-available basis when all documents have been received. This means that the most desirable funds, such as University Grant and Federal Work-Study, may no longer be available after May 1, 2005. Go to the Financial Aid Office for more information.

Withdrawal and Deferred Payment Plan

If you contracted for the Deferred Payment Plan (DPP), and you withdraw before completing all your installments, you may still owe registration fees as determined by your date of withdrawal. After filing your withdrawal petition, call the Office of Student Business Services at 459-2107 for more information.

Refund of Fees

If you withdraw from UCSC after paying your registration fees, the withdrawal may cause an overpayment to your account. Refunds are issued approximately three weeks after the completed petition is filed at the Office of the Registrar. For students who have authorized EFT, the refund is issued in the form of an electronic funds transfer; otherwise, it is mailed to your mailing address on file.

A full refund of the registration fees will be granted to a student entering the armed forces before the sixth week of the quarter. For UCSC policy on students interrupting studies because of military service, click on the Veteran Services link on the Office of the Registrar's home page at reg.ucsc.edu.

Leave of Absence

Any undergraduate student who has completed at least one quarter at UCSC and is withdrawing may request a leave of absence by completing an application available at his or her college office. A leave of absence is defined as a planned interruption in your education and may be granted for up to three quarters. The intent of this service is to make it possible for you to suspend your academic work and eliminate the need to apply for readmission.

Leave of absence status permits you to use many campus services normally reserved for registered students. The \$40 leave of absence application fee entitles you to use services available at the offices of the Career Center, Off-Campus Housing, Family Student Housing, and some computer labs, as well as to obtain discounts on transportation and other benefits. Students on leave of absence must contact the Infor-

Financial Implication of Withdrawal

Your registration fee assessment will be adjusted as determined by the effective date of the withdrawal. If the effective date is on or before the first day of instruction (see the Academic and Administrative Calendar, pages 6–7), your fees will be adjusted as follows.

- *New students:* all fees reversed except the nonrefundable \$100 statement of intent to register fee.
- *Continuing and re-entering students:* all fees reversed except a service charge of \$10.

If the effective date is on or after the first day of instruction, fees will be adjusted according to the following schedule, which refers to the elapsed calendar days beginning with the first day of instruction:

first day of instruction	100%	of assessed fees reversed
2–7 calendar days	90%	of assessed fees reversed
8–18 calendar days	50%	of assessed fees reversed
19–35 calendar days	25%	of assessed fees reversed
36 calendar days and over	0%	of assessed fees reversed

Note: this refund schedule is subject to change.

For new students, the nonrefundable \$100 statement of intent to register fee is withheld from the university registration fee, and the schedule above is applied to the balance of fees assessed. *Note:* There is a different schedule for entering freshmen receiving federal financial aid who withdraw during their first quarter. For more information, contact the Office of the Registrar, 459-4412.

REGISTRATION INFORMATION

mation Technology Services Help Desk to avoid account closure. The application fee is nonrefundable and nontransferable.

For information about retaining your university computer account while on leave, phone Information Technology Services at 459-HELP; or e-mail Information Technology Services at help@ucsc.edu.

ministrative Calendar. The registration fee payment procedure for readmitted students is the same as for continuing students. Readmitted students are expected to meet the enrollment and fee payment deadlines.

Readmission

Students who take a break from UCSC but are not on leave of absence must apply for readmission. You are encouraged to file your application for readmission as soon as you know you are returning but no later than the date in the Academic and Ad-

Deferred Payment Plan Application

The Deferred Payment Plan (DPP) allows your registration fees, to the extent not covered by financial aid, to be paid in monthly installments. To apply for DPP, complete and return this application with the appropriate nonreturnable application fee (see below) to the Office of Student Business Services, 1156 High St., 203 Hahn Student Services, Santa Cruz, CA 95064. The application, fee, and the first installment are due before the quarter begins. DPP applies to registration fees only; health insurance is not included in DPP. Please contact the on-campus Housing Office at (831) 459-2394 to arrange a housing payment plan. Make checks payable to UC Regents.

Nine-month plan (fall, winter, spring quarters)—\$60 Application Fee (available fall quarter only)

Three-month plan (one quarter)—\$25 Application Fee

Are you a California Resident as classified by the Office of the Registrar? Y N

Student Status: (circle one) Undergraduate Graduate Student Name _____

Student ID Number* _____ Local Phone _____

Street Address _____ City, State, Zip _____

I, the undersigned, do hereby agree to have my registration fees, as established by the Regents of the University of California and billed by the Santa Cruz campus, divided into monthly installments. I understand the application fee is nonrefundable. I agree to inform the Office of Student Business Services immediately of any address changes, and I maintain responsibility for my account.

I understand that if I do not pay by the due date as stated on my Statement of Account, I will be assessed late fees. The first DPP late fee is \$50. Subsequent DPP late fees are assessed at \$15 per billing cycle. I understand that failure to pay may result in the university withholding all services, including class enrollment, registration, and official transcripts. I understand that in the event of nonpayment, the university has the right to terminate this agreement and declare the entire balance, plus applicable late fees, due and payable.

I understand that registration fees are subject to change, which may cause an adjustment to my payment plan. I also understand that if my student status changes, I am responsible for notifying the Office of the Registrar. Such a change could also result in a change of my payment plan.

I acknowledge that I have read, understand, and agree to the terms and conditions as set forth in this Deferred Payment Plan Application and Payment Agreement.

Student Signature _____

Date _____

*The student number requested on this form may be your Social Security number. In accordance with the Federal Privacy Act of 1974, as amended, you are hereby notified that disclosure of your Social Security number is voluntary. This record keeping system was established pursuant to the authority of the Regents of the University of California under Article IX, Section 9 of the California Constitution. The principle use of the number shall be to verify your identity in the Academic Information System and to locate and maintain your records.

Contact the Office of Student Business Services to determine the amount of your first payment at (831) 459-2107, or e-mail oarinfo@ucsc.edu.

Fax your application to (831) 459-3918.

For more information about DPP, check out our web site at <http://sbs.ucsc.edu/dpp.html>.

UCSC Undergraduate Grading Policies

	① Undergraduates Entering UCSC Fall 2001 and After	② Undergraduates Entering UCSC Fall 1997-Spring 2001
Enrollment	<p>① The Pass/No Pass option is available only to students in good academic standing.</p> <p>① ② The grading option may be changed up to the 15th day of instruction.</p>	<p>② When enrolling, students choose either letter grading or Pass/No Pass grading.</p>
Withdrawal	<p>① ② After the last day to drop a course, students may withdraw from a course whether enrolled for a letter grade or for Pass/No Pass grading. The Academic and Administrative Calendar lists deadlines for withdrawing from a course.</p>	
Grades	<p>① ② If enrolled in a course for a letter grade, students will receive a grade of A+, A, A-, B+, B, B-, C+, C, D, F, W (Withdraw), I (Incomplete), or IP (In Progress). If enrolled in a course for Pass/No Pass, students will receive a grade of P (Pass), NP (No Pass), W (Withdraw), I (Incomplete), or IP (In Progress). Note: beginning fall 2001, NP grades earned appear on official transcripts like all other grades.</p>	
Evaluations	<p>① ② For each course in which credit is earned, whether letter graded or Pass/No Pass, all students will receive an evaluation. Evaluations are a permanent part of the academic record. All students may request transcripts either with or without evaluations.</p>	
UCSC Grade Point Average	<p>① For all students, a UCSC GPA is calculated from UCSC courses, courses taken through the Education Abroad Program, and courses taken on another UC campus in an intercampus exchange program. The UCSC GPA is displayed on the official transcript. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>	<p>② Students who have received a letter grade in at least two-thirds of their credits attempted at UCSC have a UCSC GPA calculated and displayed on their official transcripts. Students who receive letter grades in fewer than two-thirds of their UCSC credits attempted are not eligible for a UCSC GPA. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>
UC Grade Point Average	<p>① ② All students have a UC GPA calculated from courses taken for a letter grade at UCSC, at other UC campuses, and through the Education Abroad Program. Your UC GPA must be at least 2.0 in order to graduate. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>	
Satisfying Requirements	<p>① Departments may require that some or all courses used to satisfy the major must be taken for a letter grade.</p> <p>① ② A course graded D or F cannot be used to satisfy a course prerequisite or to satisfy major or general education requirements. Credits earned with a D will not count toward satisfactory academic progress. Any course graded P is equivalent to a C or better and can be used to satisfy general education requirements and will count towards satisfactory academic progress.</p>	
Incompletes	<p>① ② The notation I (Incomplete) may be assigned when work for a course is of passing quality but is not complete. Prior arrangements must be made with the instructor for a grade notation of I. To remove the Incomplete, the student must file a petition and the completed course work by the deadline on the last day of the following quarter. If an I is not removed by the deadline, it will lapse to F or NP, depending on the grading option in effect. The F and the NP will appear on official transcripts, along with the removal of Incomplete notation.</p>	
Repeats	<p>① ② Undergraduates may repeat courses in which they earn a D, F, or No Pass. Courses in which a D or F is earned may not be repeated on a Pass/No Pass basis. Courses in which a grade of No Pass is earned may be repeated on the same basis or for a letter grade. Students may only repeat a maximum of 15 credits for courses in which a grade of D or F was received. In computing the GPA for these repeats, only the grade and corresponding grade points earned the last time the course was taken will be used. After the 15-credit maximum is reached, the GPA will be based on all grades assigned and total credits attempted. Repetition of a course more than once requires approval of the student's college. Credit is not awarded more than once for the same course, but the grade assigned each time the course is repeated will be permanently recorded on the official transcript.</p>	
Graduation Requirements	<p>① No more than 25 percent of the UCSC credits applied toward graduation may be graded on a P/NP basis. This includes any credits completed in the Education Abroad Program or on another UC campus in an intercampus exchange program. Departments may require that some or all courses used to satisfy the major must be taken for a letter grade.</p> <p>② There is no limit on the number of credits graded Pass/No Pass which may be applied toward graduation.</p> <p>① ② Students must complete all requirements for the major with a grade of P, C (2.0), or better. All undergraduates, regardless of when they entered UCSC, must meet the minimum UC GPA requirement of 2.0 in order to receive a degree from the University of California. See the statement of catalog rights regarding graduation requirements in effect for each student.</p>	

EVALUATING UNDERGRADUATE ACADEMIC PERFORMANCE

Pass/No Pass Grading Option

Students may elect the Pass/No Pass grading option and may change their grading option in a course up to the 15th day of instruction. For the Pass/No Pass option, students receive a P for work that is performed at C or clearly passing level or better. For work that is not clearly passing, no academic credit is awarded; and students receive a NP (No Pass). **Beginning fall 2001, the grade notation NP appears on the official transcript in all cases, regardless of when a student was admitted.** For work that is passing, but incomplete, the grade notation I (Incomplete) may be issued.

The following courses are not available for a letter grade:

College Academic Success Courses
Student Directed Seminars: Courses Numbered 42
College Nine 193, 193F
College Ten 193, 193F
Cowell 184A, 184B, 184C
Biology 189
Earth Sciences 190
Economics 93, 191, 193, 193F, 198, 198F
Environmental Studies 83, 84, 183, 184
Film 198, 198F
History of Art and Visual Culture 195, 198
Mathematics 1, 1E
Merrill 85A, 85B
Physical Education (all courses)
Politics 191
Psychology 193, 198
Social Sciences 194B
Theater Arts 45
Writing 10A-B-C, 11A-B-C, 20, 21, 22, 180, 191D

Letter Grading Option

Before the Grade Option deadline (the 15th day of instruction), confirm your letter grade request for each course on the MyUCSC portal.

In Progress Notations

The notation IP (In Progress) is reserved for a single course extending over two or three terms of an academic year. The grade for such a course may be awarded at the end of the course and shall then be recorded as applying to each of the terms of the course. A student satisfactorily completing only one or two terms of a course, extending over two or three terms of an academic year, will be given grades for those terms. The grade option selected in the first quarter of the multiple term sequence applies to all quarters of the sequence.

Grade Changes

Incomplete grade notations of "I" must be changed

to final grades, based upon work submitted to the instructor, within the deadline for Incompletes. Other grade changes can be made by the instructor only on the basis of clerical or procedural error and never on the basis of reexamination or completion of additional work.

Accessing Grades

You may access your grades for any quarter via the MyUCSC portal. Grades are usually available about one week after the end of the quarter.

Catalog Rights

Effective for all those who entered in fall quarter 1993 or after, students may select the *UCSC General Catalog* they will follow to meet their requirements from either the one published at the time of entering UCSC or a subsequent catalog. A student must follow the chosen catalog in its entirety. This applies to UC, college, general education, and major requirements.

Students transferring from other collegiate institutions may elect to meet as graduation requirements one of the following:

- those in effect at the time of transfer to UCSC;
- those subsequently established; or
- those in effect when the student entered a previous collegiate institution, provided that entry was not more than three years prior to the time of transfer to UCSC.

Students who seek readmission to UCSC after a break in attendance greater than two years (six regular quar-

ters) must adhere to the graduation requirements in effect at the time of readmission or those subsequently established.

Students who entered prior to 1993 should see an adviser. Their catalog year for graduation, whether the year they entered UCSC or a subsequent year, will be decided at the discretion of their major department and/or their college.

Your catalog year will initially be set for the year you first enroll at UCSC. You may select another catalog year when you file your Proposed Study Plan/Declaration of Major/Minor. All requirements for graduation outlined in the catalog you select must be met before you can graduate.

To change your catalog year, you must submit a new Proposed Study Plan/Declaration of Major/Minor through your college.

Undergraduates Who Entered UCSC Prior to Fall 1997

Guidelines for undergraduates who entered UCSC between fall 1997 and spring 2001 also apply to undergraduates who entered UCSC prior to fall 1997, with the following exception: those who entered prior to fall 1997 may elect letter grades, but a grade-point average will not be displayed on the official transcript. All undergraduates, regardless of when they entered UCSC, must meet the UC minimum GPA requirement in order to receive a degree from the University of California: 2.0 calculated from all UCSC letter-graded courses and from all letter-graded courses taken at other UC campuses and through the Education Abroad Program.

Grade Point Average

The grade point average is determined by dividing the number of grade points earned by the number of credits attempted for a letter grade. The number of grade points earned for a course equals the number of grade points assigned multiplied by the number of course credits. For example, suppose a student takes three 5-credit courses and receives grades of A-, B-, and C+.

Grade	Grade Points	Course Credits	Total Grade Points
A-	3.7	5	18.5
B-	2.7	5	13.5
C+	2.3	5	11.5
Total		15	43.5

$$43.5 \text{ divided by } 15 = 2.9 \text{ GPA}$$

Grade points are assigned to each letter grade as shown below.

Grades shown in bold (W, I, IP, P, NP) are not included in the UCSC GPA.

A+ = 4.0	B+ = 3.3	C+ = 2.3	F = 0.0	IP = 0.0
A = 4.0	B = 3.0	C = 2.0	W = 0.0	P = 0.0
A- = 3.7	B- = 2.7	D = 1.0	I = 0.0	NP = 0.0

EVALUATING GRADUATE ACADEMIC PERFORMANCE

Graduate Students

Satisfactory/Unsatisfactory Grading and the Letter Grade Option

Beginning fall 1997, all graduate students in graduate or undergraduate courses will be graded Satisfactory (S) (equivalent to a B or better), Unsatisfactory (U), or Incomplete (I). Graduate students also have the option of receiving a letter grade of A, B, C, D, or F in most courses. The grades of A or B shall be awarded for satisfactory work. Grades of C or D will not satisfy any course requirement for a graduate degree at UCSC.

In order to receive a letter grade, you must enter your letter grade request no later than the 15th day of instruction for **each class** in **each quarter**.

Evaluations

Graduate students receive an evaluation for all courses except those with no credit value.

Incompletes

An Incomplete grade notation may be assigned when the graduate student's work is of passing quality but is incomplete. See the *Graduate Student Handbook* for complete instructions about arrangements to receive and to remove an Incomplete grade notation.

In Progress

The notation IP (In Progress) is restricted to certain sequential courses that extend over two or three quarters of an academic year. The grade option you select in the first quarter of the multiple term sequence applies to all quarters of the sequence. You receive

the same notation for each course upon completion of the two- or three-quarter sequence, and the final grade is applied to all quarters.

Repeating Courses

Graduate students may repeat a course in which they earn a grade of C, D, F, or U. Degree credit for a repeated course will be granted only once, and the most recently earned grade will be used to determine whether a degree requirement has been met.

UCSC Graduate Grading Policies

	Satisfactory/Unsatisfactory Grading	If You Elect a Letter Grade
Enrollment	You must request Satisfactory/Unsatisfactory grading by the published deadline.	You must request a letter grade by the published deadline.
Available Grades	You will be graded S (equivalent to a B or better), U (unsatisfactory), or I (Incomplete).	You will be graded A, B, C, D, F, or I (Incomplete).
Degree Requirements	If you receive a U, the course cannot be used to satisfy a degree requirement.	If you receive a C, D, or F, the course cannot be used to satisfy a degree requirement.
Incompletes	An I (Incomplete) may be assigned if your work is of passing quality, but is incomplete. You must petition to remove the I and submit the completed course work to the instructor by the end of the third quarter following that in which the grade notation I was received unless the instructor or department specifies an earlier date. If you fail to file the petition and complete the work, or if the instructor does not submit an S, the Incomplete will be changed to a U.	An I (Incomplete) may be assigned if your work is of passing quality, but is incomplete. You must petition to remove the I and submit the completed course work to the instructor by the end of the third quarter following that in which the grade notation I was received unless the instructor or department specifies an earlier date. If you fail to file the petition and complete the work, or if the instructor does not submit an A, B, C, or D, the Incomplete will be changed to an F.
Repeats	You may repeat courses graded Unsatisfactory.	You may repeat courses graded C, D, or F. Credits are counted once, and the most recently earned grade determines whether a degree requirement has been met.

Either way

- Graduate students enrolled in physical education courses will be graded Pass/No Record.
- Graduate students enrolling in undergraduate courses will be graded as outlined above.

GENERAL INFORMATION

This section includes an alphabetical listing of information important to all students. Detailed descriptions of academic policies and procedures are found in *The Navigator*, at reg.ucsc.edu/navigator, and in the *Graduate Student Handbook*, at www.graddiv.ucsc.edu/handBook.html.

Academic Integrity

All members of the UCSC academic community have an explicit responsibility to present as their original work only that which is truly their own. Cheating, plagiarism, and other forms of academic dishonesty are contrary to the ideals and purposes of a university and will not be tolerated. Note that plagiarism includes the deliberate misrepresentation of someone else's words and ideas as your own, as well as paraphrasing without footnoting the source. Students and faculty are jointly responsible for assuring that the integrity of scholarship is valued and preserved.

To view the full text of the policy on academic dishonesty, see oasas2.ucsc.edu/avcue/integrity.

Due Process

Students charged with academic dishonesty have the right to due process through established policies and regulations concerning student conduct and discipline. Copies of these policies and regulations can be found in the *UCSC Student Policies and Regulations Handbook* (www2.ucsc.edu/judicial/).

Academic Standing and Minimum Progress

Full-time undergraduate students at UCSC are expected to enroll in and earn a grade of C or better (or P) in an average of 15 credits per quarter, completing the 180 credits needed for graduation in four years. Extensions of enrollment beyond the equivalent of 12 full-time quarters require the approval of your college.

Your college will regularly check to ensure that you are making (at least) **minimum progress** toward completing your degree and, at the end of each term, will determine whether you are in **good academic standing**. If you do not pass enough credits with a grade of C or better (or P), you may be placed on **academic probation**. If your academic standing or progress falls below minimally acceptable levels, you may be **disqualified** from further enrollment in the university.

Address Changes

It is important for UCSC offices to have access to accurate address information for all UCSC students. UCSC relies on the addresses on the MyUCSC portal to send you official information. You must update your address each time you change your residence, or you will miss important documents and deadlines. Read through the definitions below to understand the different types of addresses maintained by UCSC before making changes.

Mailing (year round): This should always be your current address. It is your responsibility to keep this address up to date and prevent important campus mail from being misdirected.

- Billing statements are mailed to the local address unless you establish a third-party billing address. Mailings to this address may include credit balance refunds and general mailings from campus units. The Financial Aid Office uses this address for all mailings during the academic year.

- During fall, winter, and spring quarters, you may use a college address as your local address. **Summer:** After spring quarter ends and before fall quarter begins, a college address is not a valid local address. For this reason, it is important to keep your mailing address updated during the summer, so you do not miss important communications and deadlines.

Permanent (year round): This address may be the same as your local address or the address of a relative, but it may not be your college address. Your diploma will be sent to this address. The Financial Aid Office uses this address during the summer if mail is returned, and they have been unable to contact you using other addresses.

Billing (year round): If you would like your Statement of Account mailed to a third party, such as your parents, grandparents, or guardian, you must establish a billing address. Billing addresses are used only for statements going to someone other than you.

Foreign: Required for students on F and J (non-immigrant) visas.

Residence: Required for students on F and J (non-immigrant) visas.

Request for Nonrelease of Public Information: University policy, consistent with the Family Educational Rights and Privacy Act of 1974 as amended, permits disclosure of certain categories of public information.

At UCSC the following information is considered to be a matter of public information and will be disclosed unless the student has requested that it be withheld:

- student's name;
- mailing address;
- e-mail address;
- local telephone number;
- college and major field of study;
- dates of attendance;
- class level;
- degrees and honors received;
- number of credits currently enrolled;
- name, weight, and height of participants on intercollegiate athletic teams.

To have this information withheld from release, go to the UCSC Directory Restrictions link on the MyUCSC portal. Be sure that you understand the implications of requesting a Nonrelease of Information. Every single item listed above will be withheld. The Office of the Registrar cannot verify your stu-

dent status for a potential employer, publicize any honors you receive, or include your name and degree earned in the commencement program unless you remove the Nonrelease of Information. Once a Request for Nonrelease of Public Information is filed, it remains in effect until you rescind it via the MyUCSC portal.

If you have any questions about the implications of the Nonrelease of Public Information, contact the Office of the Registrar, 190 Hahn Student Services, 459-4412.

Administrative Cancellation

Your student status may be cancelled by the campus administration at any time for the reasons listed below. If you

- are barred from enrollment for one or more quarters for academic deficiencies;
- are disqualified for academic deficiencies;
- receive disciplinary action;
- fail to respond to official university notices;
- fail to settle financial obligations; or
- fail to enroll in classes.

Cancellation for any of the first three reasons will be noted on your official academic record.

Administrative cancellation means that your enrollments are dropped, financial aid is cancelled, and you are ineligible to use campus services reserved for students. The registration fee refund, if applicable, is determined by the effective date of the administrative cancellation.

Advance Course Information

Advance Course Information (ACI) is designed to complement advance enrollment. It supplies more course information online than is available through the *UCSC General Catalog*.

Also available via ACI are book lists for the current quarter. These are arranged by department and are provided by the Bay Tree Bookstore. To get to the ACI web page directly, go to reg.ucsc.edu/soc/aci.

Faculty participation in ACI is voluntary; therefore, information is not available for all classes. If you have any questions, comments, or ideas, you can e-mail ACI at aci@ucsc.edu.

Advising

Advisers are available in the colleges to assist undergraduates with general planning issues, such as choosing appropriate course loads, maintaining good academic progress, and integrating majors and minors in an overall academic plan. Advising for specific major and minor programs is offered at the departments. Students may also consult with faculty, career counselors, educational opportunity advisers, psychological counselors, and disability resource specialists, among others.

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Announcement of Candidacy

To be a candidate for the bachelor's degree, you must file an Announcement of Candidacy at the Office of the Registrar by the posted quarterly deadline.

If you announce your candidacy for a degree but do not complete the requirements for graduation, you will not automatically be considered a continuing student for the subsequent quarter. Go to the Office of the Registrar to cancel or reschedule your announcement of candidacy and to receive enrollment and fee payment instructions.

Auditing of Classes

You may audit (sit in on) a regular course with the permission of the instructor in charge. The instructor may allow you to attend course meetings but only if adequate facilities are available after all students who wish to enroll officially have done so. The instructor is not obligated to devote time to your work. Auditors ordinarily do not write papers or take exams. Since you are not enrolled in the class, there is no record kept; and you receive no grade notation, evaluation, or credit. You are not eligible to audit classes if you've been barred or disqualified for academic or disciplinary reasons, have withdrawn, or are on leave of absence.

Cancelled Courses

Occasionally, it is necessary for a sponsoring agency to cancel a course after students have advance enrolled. Whenever possible, the course-sponsoring agency will notify enrolled students about the cancellation. Check the *Schedule of Classes* (reg.ucsc.edu/soc) on the web for updates. View your enrollments online for cancellations or changes in meeting times, days, or location.

Certificate of Completion of Degree

For a \$5 fee, you may request a Certificate of Completion of Degree, which includes your name, the date your degree will be awarded/was awarded, major, college, and honors, if any. A certificate can be prepared if you have announced candidacy for the quarter, and all requirements have been completed as verified by the Office of the Registrar and your department. Its use is limited to providing verification of a pending/awarded degree. Universities usually require a complete official transcript.

Certification of Student Status for Outside Agencies

The Office of the Registrar is the only agency on campus authorized to certify student status and academic standing for outside agencies such as student loan institutions, insurance companies, child care programs, banks, and employers. You may request enrollment certification in person or by mail.

If you need a certification of student status to defer a federally insured student loan, your request will be forwarded to the National Student Loan Clearinghouse for processing. Most lenders contact this agency directly for confirmation of student status.

If you are registered and enrolled, a certification for the current academic year will be produced as you wait at 190 Hahn from 9 A.M. to noon. Valid photo identification is required. Certifications requested after noon will be ready for pickup after 1 P.M. the following day.

Computing Facilities and Services

UC Santa Cruz is rapidly expanding its computing environment. We want you to be aware of computing facilities and services so that you can take full advantage of the campus computing resources. Here are the key points:

- Students are expected to communicate via e-mail using a UC Santa Cruz Identity, which is your e-mail address and account as well as electronic login and password to many services, such as the network, computing labs, the MyUCSC portal, and other services. Your UC Santa Cruz Identity is assigned when you enroll for classes, before you come to campus in the fall quarter. There is no cost for your UC Santa Cruz Identity.
- UC Santa Cruz has a wireless network called CruzNet, with coverage in most student areas of campus. This means that if you have a laptop computer with a wireless network card, you'll be able to sit down with a group of classmates in a serene setting among the redwoods, at a cafe or library to do your homework, and still have network access. Because of the wireless access, we highly recommend that you purchase a laptop or notebook computer. We have included minimum specifications below.
- The campus offers a high-speed residential data network called ResNet to all students living in university residential areas. The service cost is included in the housing fees. There are no additional fees for students who live in university residential areas to use the service, which includes technical support (by phone, or room visits when necessary) provided by ResNet staff.
- If you don't own a computer, or would like to work on homework assignments that require specialized software, there are 15 Instructional Computing labs across the campus. Each lab is open to all students.

Information Technology Services (ITS)

ITS provides computing, network, telecommunication, and instructional technology services to the campus. Central computing facilities provide universal

services such as electronic mail, web, and file services. See its.ucsc.edu. ITS operates the UC Santa Cruz campus network, which interconnects personal computers, workstations, workgroup LANs, instructional computing labs, central computing facilities, and computer-equipped classrooms with each other, on-campus resources, and the Internet. In addition, a wireless access service called CruzNet is available to mobile users at some 200 locations. See cruznet.ucsc.edu for more information. On-campus network resources include academic, library, and administrative computing, database and information servers.

Purchasing a Computer?

If you are planning on buying a new computer, UC Santa Cruz recommends purchasing a laptop with both wired and wireless network capability. Last year, 98% of students who came to campus had a personally-owned computer in their residential housing room.

An excellent source for purchasing computers and computer products is the university's Bay Tree Bookstore, right on campus, slugstore.ucsc.edu, phone 459-2082. Through university-negotiated contracts, the bookstore offers a full line of Apple and Dell computers, as well as software and peripheral equipment. Because of your student status, pricing is almost always below outside market prices. And the bookstore works closely with campus computing specialists to be certain the equipment you buy will meet campus specifications, both wired and wireless. As an added convenience, Apple products can be ordered in advance through the bookstore, and be ready for pickup when you arrive on campus.

Technology vendors frequently use the "Back-To-School" time frame for additional special pricing, so you might want to check with the Bay Tree Bookstore in July and August as you begin thinking about shopping for a computer. The Bay Tree Bookstore staff can help you make the right choices for your campus computing needs.

PC or Mac?

The campus community embraces both PCs and Macs, and in some circles, Unix-based Sun Solaris and Linux are popular. The Humanities Division and the Arts Division both are heavily Mac-oriented. The Social Sciences Division and the Physical and Biological Sciences Division use both Macs and PCs. The School of Engineering is primarily PC/Windows and PC/Linux (as well as Sun Solaris), and there is an emerging interest in Macintosh with the Unix-based OSX environment.

If you are purchasing a PC, we recommend you purchase a laptop including a Pentium processor with a minimum 1GHz or equivalent microprocessor, 512MB or more of RAM, and a minimum 20GB hard drive. Please include a CD writer or "disk on key" to use for backing up files. In general if you are

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purchasing a PC computer (and are not interested in repairing a computer yourself) we recommend that you purchase a computer manufactured by a major vendor such as Dell, which is highly rated for reliability and service. For software on a PC, we recommend Microsoft Windows XP, with Microsoft Office, which includes Microsoft Word. Most faculty are accustomed to receiving student papers in Microsoft Word files.

If you are purchasing a Macintosh, a minimum of 1GHz processor is recommended. We recommend 512MB or more of RAM, and a minimum 30GB hard drive, running Mac OSX. All new Mac PowerBooks are recommended.

CruzNet is designed for use with wireless network cards that are Wi-Fi compliant, IEEE 802.11b. WPA (Wi-Fi protected access) security is desirable but not required at present. The UCSC Bookstore maintains a stock of recommended wireless network cards.

Note: cordless 2.4Ghz phones can interfere with the wireless network, so if you intend to bring a cordless phone to campus please obtain one that operates at 900 MHz instead.

For more recommendations on computer hardware and software please visit the ResNet web site at resnet.ucsc.edu. If you are not purchasing a new computer but bringing your own computer, please have at least 256MB memory, and Microsoft XP operating system. ResNet's minimum computer standards are posted at resnet.ucsc.edu/newstudents.

Your UC Santa Cruz Identity Account is Pre-assigned

Your UC Santa Cruz Identity Account is your UCSC identity for e-mail. Faculty and other campus representatives will send e-mail about classes, important reminders, and information about student services to this account. For example, your UCSC address (youraccount@ucsc.edu) shows up on e-mail lists that faculty use for classes. In addition to e-mail, this same UCSC account gives you access to the campus Instructional Computing Labs, dial-up network access from off-campus, and the central Unix timeshare systems. Every UC Santa Cruz student is assigned a UCSC Identity account upon enrollment. You can activate your pre-assigned UC Santa Cruz Identity through the MyUCSC portal.

Students are expected to monitor their UC Santa Cruz Identity for important e-mail messages from faculty, staff, and other students.

The university provides CruzMail, a web-based e-mail client, as well as anti-virus software to keep your machine virus-free. The university also has 15 computer labs located at most of the colleges and a number of academic buildings.

Computing Facilities and Policies

Students using UCSC computing resources are subject to policies that state expected behaviors for electronic communication and electronic conduct, in

general. The University of California has adopted an electronic communications policy that clarifies the applicability of law and other university policies to electronic communications. The UC Electronic Mail Policy can be reviewed online at www.ucop.edu/ucophome/policies/ec.

UCSC has adopted the Computing Use Policies and the ResNet Responsible Use Policy (RUP), which indicate responsible use of computing resources, in general, and in the residence halls, respectively.

The Computing Use Policy is Appendix J of the *UCSC Student Policies and Regulations Handbook*: www2.ucsc.edu/judicial/handbook.html, and the ResNet RUP is online at resnet.ucsc.edu/policy/rup/.

Campus academic divisions may also provide computing facilities and services to serve their specific disciplines. There may be additional rules or policies associated with these discipline-specific services and facilities. Please contact your department assistants for more information on divisional resources.

Because the Internet is a dynamic environment, you should be aware of the following:

- Students using UC Santa Cruz computing facilities and services must comply with the University of California state and federal policies and laws referenced at <http://security.ucsc.edu/policies.shtml>. While that web page lists many of the university policies, it is in no way meant as an exhaustive and complete list. New regulations and policies and procedures are constantly evolving. Laws, policies, or other regulations on aspects not specific to networks or computing may also apply, e.g., student conduct, personnel policy or contract, sexual harassment laws, chain letter laws, or other regulations.
- Web pages at UC Santa Cruz (and beyond) are expanding and changing rapidly. Please send questions regarding any information found on the web to the web page author listed at the bottom of each web page.
- Please send questions or concerns about electronic abuses or harassment via e-mail to abuse@ucsc.edu.

Network and Phones for Students Living on Campus

ITS Telecommunication Services partners with Colleges and University Housing Services that provides in-room Internet access (called ResNet) and a university-owned and operated telephone system. Network services are available to undergraduate and graduate students living in university housing (except for the Camper Park). For assistance with network connections, students can contact ResNet at resnet@ucsc.edu or call 459-4NET. Please check the web site at resnet.ucsc.edu for more information.

Local telephone service is provided in every student room (except for the Camper Park and Family

Student Housing). Students must use calling cards to place long distance calls. Call 459-3865 or e-mail scs@ucsc.edu for more information on phone services.

Modem Access for Students off Campus

If you want to connect from off-campus, you can connect via a university modem pool at no charge, but with limited connection hours per week. See http://its.ucsc.edu/services/help_desk/networkaccess.php for more information on this topic and information on configuring your computer software for these options.

Computing Labs for Drop-in Use and Academic Classes

Instructional Computing manages 15 computer labs throughout the campus. The 15 labs have more than 360 computers available for students to use, including PCs, Macs, and Sun workstations. There is a wireless laptop lab at the Academic Resources Center where you can check out an Apple laptop and have a network connection while sitting in the meadow overlooking the ocean; see ic.ucsc.edu/labs/labdescriptions/arc/ for more information. Wireless access is available in most labs.

The computing labs are used like classrooms; they can be reserved by faculty or teaching assistants for instruction. When not reserved for instruction, the labs are available to students on a walk-in basis. Even if they are not teaching in the labs, many faculty request academic software to be installed in the labs so that their students can complete homework assignments. Every IC lab is open to every student, no matter what his or her major.

Faculty or teaching assistants can request Instructional Computing staff to conduct training sessions as part of an academic course. Contact Robin Ove, Faculty Instructional Technology Center manager, fitc@ucsc.edu, for more information.

More extensive lab information, including hardware and software specifications and hours of operation, is available at ic.ucsc.edu.

Academic Course Materials on the Web

The WebCT course management system is a tool to create sophisticated web-based course materials to supplement classroom instruction, but not to replace it. WebCT uses a web browser as the interface for the course. Faculty using WebCT can incorporate a wide variety of tools in their course site such as a course calendar, student conferencing system, electronic mail, group projects with student-created web pages, and quizzes. Outside of class time, students can use WebCT to view course materials, participate in web-based class discussions, collaborate on student group projects, and take quizzes. Faculty can use WebCT to see what materials students have viewed before they arrive in class. When faculty administer pre-class quizzes on WebCT, they can see what concepts students understand before class and then tailor the lecture accordingly. Students must have established their UCSC account to

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be enrolled in WebCT courses. See more information about WebCT and other UCSC course web sites at ic.ucsc.edu/docs/webct and ic.ucsc.edu/courses.

Need Disability Accommodations for Computing?

If you have a disability and require adaptive or assistive technology to use lab computers, library facilities, or other campus services, please contact the Disability Resource Center (DRC) right away so that they can coordinate services for you. Instructional Computing labs have common adaptive technologies—such as enlarged type for students with low vision and Dvorak keyboards for students with repetitive strain injuries. If you need accommodations, please call the DRC at 459-2089 (voice), or 459-4806 (TTY).

Need Computing Help?

You may find the answer to your question at ic.ucsc.edu/help.

If you need additional help with computer accounts, network access, or general computer questions, please contact the ITS HelpDesk. The ITS HelpDesk is located at 50 Communications Building and is open Monday–Friday, 8 A.M.–noon and 1 P.M.–5 P.M. You can contact them through

- drop-in consulting (up to 15 minutes per session);
- phone: 459-4357 (459-HELP); or
- e-mail: help@ucsc.edu.

Need a Job?

Instructional Computing has about 100 student staff positions, including lab consultants, who staff labs and assist students; technical support specialists, who maintain lab hardware and software; and web developers, who work on project teams to produce academic course sites. Please see icweb.ucsc.edu/apply/ for more information about the lab consultant and technical support specialist positions. See ic.ucsc.edu/faculty/webdev/ for information about the web developer program, and e-mail fitc@ucsc.edu if you want to apply.

The ITS HelpDesk hires student consultants through the UCSC Career Center. For more information, see www2.ucsc.edu/careers/.

Related Information

- Information Technology Services: its.ucsc.edu;
- Computing Frequently Asked Questions: ic.ucsc.edu/help;
- Bay Tree Bookstore (computer purchase): slugstore.ucsc.edu;
- CruzNet wireless network: cruznet.ucsc.edu;
- ResNet: resnet.ucsc.edu;
- Activate your UC Santa Cruz Identity Account (free for students who have enrolled): MyUCSC portal at my.ucsc.edu;
- Instructional Computing Labs for Students

(also see link to apply for student lab jobs): ic.ucsc.edu.

Cross-Enrollment

The cross-enrollment program permits UCSC students who meet certain eligibility criteria to enroll in one undergraduate course, on a space-available basis each quarter or semester, at a California community college or California state university. The host campus may charge an administrative fee each quarter, and students must reapply each quarter they wish to cross-enroll at another campus. The fee is \$18 per unit.

Note: not all community colleges participate in the cross-enrollment program; contact the institution where you wish to enroll for information.

Lost and Found

The first place to go for lost and found items is the nearest college or department office. Items that are not claimed from these offices are taken to the University Police Office, located in the H Barn near the main entrance to the campus, 459-2231.

MyUCSC Portal Password

Your password is required each time you use the MyUCSC portal. Your password is assigned to you when you receive your student identification number.

We strongly suggest that you change your password and set up a password hint the first time you access the MyUCSC portal. You may select a minimum of 8 characters (one character must be a numeral) as your new password. You may also change your password any time thereafter.

It is extremely important that your password remain confidential. Do not give it to anyone. If you forget your password or believe the privacy of your password has been compromised, e-mail ais-help@ucsc.edu to reset your password.

Name Change

Name Change petitions are available at the Office of the Registrar. A student who is currently enrolled or announcing candidacy and is requesting an official name change on his or her academic records must complete this form and present it, in person, at the Office of the Registrar. You must submit documentation showing legal change of name (court order) or use of requested name on official documentation (e.g., drivers license, social security card, passport, marriage certificate, etc.). You may also correct your name at the Office of the Registrar if, for example, it is misspelled or the punctuation is incorrect. Be prepared to show proof of the correctly spelled name.

When you file a Name Change petition, you may also order and pay for a new student ID card at the Bay Tree Bookstore Building.

Nonrelease of Public Information

The following information is considered public information and may be disclosed: name, college or local address, e-mail address, local telephone number, college and major field of study, dates of attendance, class level, enrollment status, intercollegiate athlete's height and weight, and degrees and honors received.

To have this information withheld from release, select the Personal Information link on the MyUCSC portal, then click on Directory Restrictions. Be sure that you understand the implications of filing this request. Every single item listed above will be withheld.

Once a Request for Nonrelease of Public Information is filed, it remains in effect—even after you are no longer attending UCSC—until you request to rescind it via the MyUCSC portal.

Student Identification Card

A plastic card bearing your picture is issued the first quarter of enrollment, generally during college orientation.

Each quarter the college (department for graduate students) issues a validation sticker to be affixed to your ID card. The sticker is issued once you have completed registration and is available beginning the first day of the quarter. The card with the current quarter sticker is proof that you are registered. The college or department will not issue a sticker if your quarterly fees are unpaid. Go to the Office of the Registrar to complete your registration, and a sticker will be provided.

Transcript Information

A transcript is an official copy of a student's academic history at UCSC and is embossed with the registrar's seal and the signature of the university registrar. Official transcripts are mailed in sealed university envelopes. A transcript includes undergraduate, graduate and/or summer session courses, degrees awarded, degree honors, grades and notations, and transfer credit.

Transcripts are available for \$5 without evaluations and \$10 with evaluations. A transcript with evaluations includes evaluations of courses passed in chronological order and an evaluation of the comprehensive examination or senior thesis.

Transcripts are processed on a first-in, first-out basis. Transcripts must be requested well in advance to meet deadlines. Allow 10 business days for processing from the date we receive your request. During busy periods (November through February), processing time may take longer.

You may request and pay an additional fee for your transcript to be mailed via next-day service. This service provides fast delivery and a receipt that the transcript was received by the recipient. This service ex-

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pedites transit time, not processing time. Federal Express is used for all destinations, and they will not deliver to post office box addresses or on weekends. The additional charge for Federal Express within the U.S. is \$20 per address. The additional charge for Federal Express outside the U.S. is \$30 per transcript (with or without evaluations). Please note that if the appropriate fee has not been received for next-day service, your transcript will be sent via regular mail.

Transcripts may be ordered online via the web at reg.ucsc.edu. For recorded instructions, please call (831) 459-4412.

Transcript requests will not be processed if you have outstanding obligations to the university. Contact the Office of Student Business Services, (831) 459-2136 or (831) 459-2940, for questions regarding a university hold on your records.

Veterans and Veterans' Dependents

Veteran Services staff, located at 190 Hahn Student Services Building, serves as a liaison between students and the Department of Veterans Affairs (DVA), certifying enrollment and academic progress for veterans, veterans' dependents, and reservists. The staff also assists with the Cal Vet program, which offers fee waivers to dependents of veterans who died or are disabled due to a service disability.

As a veteran or veteran's dependent, you should contact Veteran Services as soon as you receive notification of admission to UCSC to ensure timely processing of your benefits claims.

Veterans and veterans' dependents who are eligible for educational benefits from the DVA are expected to make satisfactory progress towards completion of the degree objective. If you remain on academic probation beyond two quarters without improvement, your benefits will be subject to suspension. Your academic standing may be affected if you attempt less than 15 credits each quarter. Dropping a course or requesting a W grade may affect the amount of your payments and must be reported immediately to Veteran Services. Please note that you cannot be paid for auditing a course. For more information about the DVA's requirements, click on the Veteran Services link at reg.ucsc.edu.

Please call 459-1358 should you have questions.

Taxpayer Relief Act of 1997

The Taxpayer Relief Act of 1997 includes a number of educational tax benefits that may have an impact on students and their families. The act includes the following sections that involve the university reporting information on students to the Internal Revenue Service.

- Hope Scholarship Tax Credit (effective 1/98): a nonrefundable credit equal to a maximum of \$1500 in out-of-pocket qualified tuition and fee expenses paid by or on behalf of a student for two tax years during which

the student is enrolled at least half time in the first or second year of post-secondary education leading to a recognized degree or certificate.

- Lifetime Learning Credit (effective 7/98): a nonrefundable credit equal to 20 percent of the \$5,000 of qualified out-of-pocket tuition and fee expenses paid by or on behalf of a student enrolled in post-secondary course work at the undergraduate or graduate level leading to a recognized degree or certificate or to improved job skills.
- Student Loan Interest Deduction (effective 1/98): a deduction from income of up to \$1000 in qualified education loan interest due and paid during the first 60 months of repayment.

To find out if you qualify for benefits under these or other provisions of the Taxpayer Relief Act, please contact a tax consultant; or call the Internal Revenue Service. Beginning January 1999, information reported to the IRS was available at www.1098-T.com or 1-877-467-3821, toll free. The University of California is not authorized to respond to tax questions.

Crime Awareness and Campus Security Act

In compliance with the federal Crime Awareness and Campus Security Act, UCSC publishes information on campus security and crime statistics. A publication containing this information is published annually and made available to all students and UCSC employees. The publication is posted on the web: www2.ucsc.edu/police.

Federal Student Right-to-Know Act

The following graduation-rate information is listed in compliance with the 1990 Title I: Federal Right-to-Know Act, Section 103. Based on recent data, 48.6 percent of students who entered UCSC as freshpersons in 1998 graduated after four years, and 65.4 percent of those who entered in 1997 graduated after five years. In recent years, students who entered as freshpersons took an average of four and one-half years to graduate, and students transferring to UCSC as juniors averaged two and one-half years. These graduation rates are well above the national averages.

In accordance with the Education Amendments of 1976, Section 493A, more detailed information regarding retention is available from the Office of Planning and Budget, University of California, Santa Cruz, 1156 High Street, Santa Cruz, CA 95064. More information is also available on the web at planning.ucsc.edu/irps.

Drug-Free Schools and Communities Act

In compliance with the federal Drug-Free Schools and Communities Act, UCSC annually notifies

students, faculty, and staff of policies, procedures, and potential consequences related to unlawful possession, use, or distribution of drugs and alcohol on campus. This notice is distributed to students through the colleges and the Graduate Studies Division and to faculty and staff through campus mail. The university also conducts a biannual review of programs related to drugs and alcohol to determine effectiveness, implement changes, and ensure that disciplinary sanctions are consistently enforced. This review is conducted by the Office of the Vice Chancellor for Student Affairs, 459-4446.

Smoke-Free Policy

To protect the rights of the nonsmoking campus community to breathe smoke-free air, UCSC has adopted a Policy for a Smoke-Free Environment. This policy prohibits smoking in all indoor areas of all nonresidential public buildings on campus and in common areas such as lobbies, lounges, waiting areas, and rest rooms of residential buildings. Smoking is also prohibited in the outside areas beside all building doorways, windows, and ventilation air intakes; this includes patios underneath building windows or other areas where smoke could enter openings to buildings. For more detailed information about the smoking policy, see the web: www.ehs.ucsc.edu/smoking. Tobacco products will not be sold on campus either through vending machines or campus establishments. UCSC supports and assists efforts to stop smoking by providing literature and referrals to community cessation programs. Students may obtain information about the programs from the Cowell Student Health Center, 459-2211.

Nondiscrimination Statement

The University of California, in accordance with applicable federal and state law and university policy, does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, medical condition (cancer-related), ancestry, marital status, citizenship, sexual orientation, or status as a Vietnam-era veteran or special disabled veteran. The university also prohibits sexual harassment. This nondiscrimination policy covers admissions, access, and treatment in university programs and activities.

Inquiries regarding the university's student-related nondiscrimination policies may be directed to the Office of Student Judicial Affairs, 459-4446.

Inquiries regarding UCSC's Sex Offense Policy and Procedures for Reports of Sexual Assault(s) and Sexual Harassment and/or violations of Title IX may be directed to Rita E. Walker, Title IX coordinator/sexual harassment officer, 459-2462, or by e-mail at rew@ucsc.edu.

Inquiries regarding the university's affirmative action, equal employment opportunity, and nondiscrimination policies for employment may be directed to the Equal Employment Opportunity/Affirmative

Action Office, 459-2686, or by e-mail at cbene@ucsc.edu.

Inquiries regarding Section 504 or the Americans with Disabilities Act may be addressed to the director, Disability Resource Center, 459-2089 (voice); 459-4806 (TTY); or by e-mail at disable@ucsc.edu.

Alternate formats of this document—such as large-print, audiotape, braille, or electronic file—can be provided. Please call 459-4446 for referral.


Sexual Harassment and the Title IX/Sexual Harassment Office

For a copy of the UCSC Sex Offense Policy and Procedures For Reports of Sexual Assaults and Sexual Harassment go to www2.ucsc.edu/title9-sh.

UC Santa Cruz takes the issues of sexual assault and sexual harassment very seriously and is committed to ensuring that our campus community is free of violence, discrimination, and harassment. The Title IX coordinator/sexual harassment officer (Title IX/SHO) for the University of California, Santa Cruz campus is responsible for providing an environment free from discrimination or harassment on the basis of sex for all students, staff, and faculty. The goal of the Title IX Office is to ensure that students, staff,

faculty, and persons participating in university sponsored programs and events can learn, work, and/or enjoy the benefits and opportunities offered by the campus, free from any uninvited, unwelcome, unsolicited, and unwanted conduct directed at them because of their sex. The Title IX/SHO is authorized by the chancellor to conduct the administrative investigation of all reports of sexual assault filed by students, staff, and faculty. Additionally, the Title IX/SHO receives and resolves reports and complaints of sexual harassment. Any person who is the target of a sex offense should consult with the Title IX/sexual harassment officer (459-2462 or rew@ucsc.edu) to receive information and advice about your options and/or to file a complaint.

ADVERTISEMENT

 UCSC Student Health Center	On-Campus Health and Medical Services
<i>Listen up!</i> Incoming Students Under 19 Years Old	Proof of hepatitis B immunizations is required to enroll in classes. <i>Or... you can't attend class.</i>
For information on how to meet this requirement, check our website at www2.ucsc.edu/healthcenter You may check to see if we have received your documentation by email at hepB@ucsc.edu	Phone 831.459.2211 Fax for Hep B 831.459.3546

GENERAL EDUCATION REQUIREMENTS

Overview of General Education Requirements

Designed to expose students to diverse subject areas, the general education requirements also stress a variety of approaches to acquiring knowledge.

Most current students follow the general education requirements at UCSC that fall into nine areas and are described below. Each area has a general education code associated with it, and only those courses carrying that code satisfy the requirement. The codes appear in the course descriptions in the *UCSC General Catalog* and in the “GEN ED” column of the course listings in each *Schedule of Classes*. Some courses satisfy more than one requirement, so the total number of required courses may be as few as nine or as many as 14. Courses with values of 1, 2, or 3 credits, such as some music courses, may be combined to satisfy general education requirements if they have the appropriate codes and total at least 5 credits.

It is often advised that students who have not decided on a major should complete all six disciplinary introductions (IH, IN, IS codes), at least one of the topical courses (T code), the quantitative methods course (Q code), and the composition course (C code) during the first three quarters of enrollment. However, students pursuing certain science majors must also fit in appropriate prerequisite sequences for upper-division science requirements. The writing-intensive course (W code), arts course (A code), and U.S. ethnic minorities/non-western society course (E code) can be satisfied with many upper- as well as lower-division courses.

If you have consulted with your academic adviser and feel you have an unusually strong case for an exception to a general education requirement, you may file a Petition for Substitution or Waiver at your college. Do not wait until the quarter you expect to graduate; these petitions are reviewed by many people before they can be approved. These petitions are carefully screened by the Committee on Educational Policy (CEP); specific and rigorous criteria are used. If the petition is approved, your academic record will be changed to reflect the exception. If you have taken a course through an exchange program (ICV, UNH, UNM, EAP, or UCDC), and you think it will satisfy a general education requirement, you may initiate review of the course by completing a Review of Transfer Credit form at the Admissions Office, with the exception of writing or topical requirements; these must be reviewed by CEP.

Enrolling in general education courses: the section of the class you enroll in will satisfy a general education requirement only if the appropriate general education code(s) appears in the GEN ED column of the *Schedule of Classes*. Different sections of the same course may have different codes. Transfer and advanced placement credits may satisfy some or all of the general education requirements.

Quick Reference to General Education Requirements

General education requirements were devised and are reviewed by the Santa Cruz Division of the Academic Senate through the Committee on Educational Policy. There are nine categories of general education requirements. Specific information regarding how general education requirements fit into bachelor's degree requirements can be found in the *UCSC General Catalog*.

IH
IN
IS

Introductions to Disciplines: These courses inform students of a discipline's scope or methodology, prepare students effectively for advanced classes, or both. Students are advised about a discipline's suitability as a major or are prepared for advanced course work in the field. Most of these courses are required of majors. Most do not require prerequisites. The three categories are Introduction to Humanities and Arts (IH code), Introduction to Natural Sciences (IN code), and Introduction to Social Sciences (IS code).

T

Topical requirements (T code): The topical requirement is intended to show students how disciplines outside their own affect public life, how different disciplines approach a common topic, and the richness in the areas of study that lie outside or between academic disciplines. Topical courses address a topic of broad intellectual or social relevance—instead of a discipline—and study it from a broad or interdisciplinary perspective. They can provide a place for discussion of values and assumptions at an introductory level not usually found in introductory courses. They are not designed to introduce the discipline to non-majors.

C

Composition requirement (C code): This requirement is fulfilled by Writing 1, *Composition and Rhetoric*, or Writing 2, *Rhetoric and Inquiry*. Students must complete the Entry Level Writing Requirement before enrolling in a course that satisfies the composition requirement.

W

Writing-intensive requirement (W code): These courses often require more writing than other classes, but they also stress explicit attention to the craft of writing in the subject matter of the course or discipline. Papers are assigned throughout the quarter and editorial comment is provided by the instructor. Students must complete the University of California Entry Level Writing Requirement and satisfy the Composition requirement before enrolling in a course which satisfies the writing-intensive requirement.

Q

Quantitative requirement (Q code): This requirement involves acquisition of technical skill in mathematics or practice in the ability to apply that mathematical skill in specific contexts, or both. A quantitative course must involve the use of advanced algebra, statistics, or calculus. These courses provide instruction in quantitative reasoning rather than merely evaluating students' mathematical ability. Courses in logic or computers are not considered mathematical.

A

Arts requirement (A code): This requirement was established in recognition of the differences between the humanities and the arts, and of the necessity of both in liberal arts education. One 5-credit course or the equivalent is required in the performance, theory, or history of the arts.

E

U.S. Ethnic Minorities/Non-Western Society requirement (E code): This requirement is intended to increase student and faculty knowledge of non-Western cultures (in the U.S. and elsewhere); to improve cross-cultural awareness, skills, and sensitivity; and to explore relationships between ethnicity and other topics of liberal arts curriculum.

GENERAL EDUCATION REQUIREMENTS

Courses That Fulfill General Education Requirements

Refer to the course listings beginning on page 36 to identify general education courses offered in fall quarter.

Introductions to Disciplines, Humanities and Arts (IH code)—two courses from different departments required (10 credits)

Only one IH requirement may be satisfied with a course (equivalent to 5 credits) from the Arts Division (art, film and digital media, history of art and visual culture, music, theater arts); only one language course may be used to satisfy an IH requirement; and only one literature course may be used to satisfy an IH requirement. *Note:* Transfer courses designated IH from English departments are considered to be literature courses for general education purposes.

American Studies 1, 2

Chinese 4, 5, 6, 50, 107, 108

Film and Digital Media 20A, 20B, 20C

French 4, 5, 6

German 4, 5, 6

Hebrew 4, 5, 6

Hindi 4

History 10, 20A, 20B, 21, 25A, 25B, 29, 30A, 30B, 30C, 32, 33, 34A, 34B, 38, 40, 50, 55A, 55B

History of Art and Visual Culture 10D, 10E, 10F, 10G

Italian 4, 5, 6

Japanese 4, 5, 6, 50

Linguistics 20, 51, 52, 53, 55

Literature 1, 61B, 61D, 61E, 61F, 61G, 61M

Spanish Literature 60

Music 11A, 11B, 11D

Philosophy 9, 11, 22, 24, 26, 28

Portuguese 60B, 65A, 65B

Russian 4, 5, 6

Spanish 4, 5, 5M, 6, 56

Spanish for Spanish Speakers 61, 62, 63

Theater Arts 19, 20, 30, 32, 33, 36, 40, 60A, 60B, 60C, 122, 136

Women's Studies 1A, 1B

Introductions to Disciplines, Natural Sciences and engineering (IN code)—two courses from different departments required (10 credits)

Transfer courses designated IN from anatomy, botany, physiology, and zoology departments are considered to be biology courses.

Anthropology 1

Applied Mathematics and Statistics 5, 7, 15A

Astronomy and Astrophysics 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18

Biology 20A, 70

Chemistry and Biochemistry 1A, 1B, 1C

Computer Engineering 3, 12

Computer Science 2, 10, 12A, 12B, 13H, 60G, 60N

Earth Sciences 1, 3, 5, 6, 7, 10, 20, 65, 119

Environmental Studies 23, 24

Mathematics 11A, 11B, 19A, 19B, 20A, 20B

Ocean Sciences 1

Physics 1, 2, 5A, 5B, 5C, 6A, 6B, 6C, 7A, 7B

Introduction to Disciplines, Social Sciences (IS code)—Two courses from different departments required (10 credits)

Anthropology 2, 3, 4

Community Studies 10, 100A, 100B, 100E, 100J, 100K, 100M, 100P, 100Q, 100S, 100T, 100Y

Economics 1, 2

Education 92A, 92B

Environmental Studies 25

Latin American and Latino Studies 1, 126A, 126B

Legal Studies 10

Politics 1, 4, 7, 10, 20, 25, 43, 70, 73

Psychology 1, 65

Sociology 1, 10, 15, 20

Topical Courses (T code)—Three courses required (15 credits)

Students entering UCSC with fewer than 45 transferable credits must take three topical courses in residence at UCSC. UCSC Summer Session courses can be used to satisfy topical requirements.

Choose one course from each academic area: natural sciences (2), social sciences (3), and humanities and arts (4). Courses labeled 5, 6, and 7 satisfy topical requirements in two different academic areas; students can apply this kind of topical course to either academic area indicated. The three topical course requirements must be satisfied with three different courses. In the Schedule of Classes, courses that carry a T general education code are listed as follows:

2—Natural Sciences Area

3—Social Sciences Area

4—Humanities and Arts Area

5—Humanities and Arts or Social Sciences Area

6—Natural Sciences or Humanities and Arts Area

7—Natural Sciences or Social Sciences Area

T2—Natural Sciences

Astronomy and Astrophysics 80A, 80B

Biochemistry and Molecular Biology 80A

Biology 80A, 80H, 80J, 80L, 80N, 80P

Biomolecular Engineering 80G, 80H

Chemistry and Biochemistry 80A, 80H

Computer Engineering 80N, 80H

Computer Science 80B, 80C, 80V, 80K

Crown College 80S

Earth Sciences 80A, 80B, 80C, 80D, 80F, 80G

Electrical Engineering 80T

Environmental Toxicology 80E

Ocean Sciences 80A, 80B

Philosophy 80G

Physics 80A

T3—Social Sciences

Anthropology 80B, 80C, 80D, 80F, 80I, 80J, 80K, 80L, 80N, 80O, 80P

College Eight 80A, 80B

College Nine 80A, 80B, 80H

College Ten 80A, 80B, 80H

Community Studies 80A, 80B, 80F, 80H, 80L, 80Q

Economics 80A, 80G, 80H

Education 80

Environmental Studies 80C

Latin American and Latino Studies 80A, 80B, 80C, 80D, 80F, 80H, 80M, 80N, 80Q

Merrill College 80A, 80B, 80D, 80X

Politics 80T

Psychology 80A, 80B

Sociology 80E, 80Z

T4—Humanities and Arts

Art 80A, 80C, 80D

Cowell College 80A, 80B, 80S

Crown College 80A, 80B

Film and Digital Media 80B, 80C, 80D

Hebrew 80

History 80H, 80K, 80W, 80Y

History of Consciousness 80A, 80B, 80E, 80M, 80Y

Language Program 80D

Linguistics 80B, 80V

Literature 80A, 80I, 80L, 80N, 80Z

Merrill College 80Y

Music 80A, 80B, 80D, 80F, 80G, 80H, 80I, 80J, 80K, 80M, 80N, 80O, 80P, 80Q, 80S, 80T, 80U, 80V, 80W, 80X, 80Y

Philosophy 80D, 80F, 80H, 80T

Porter College 80A, 80B, 80E, 80H

Stevenson College 80H

Theater Arts 80B, 80E, 80G, 80H, 80L, 80M, 80N, 80O, 80S, 80T, 80U, 80V, 80W, 80X, 80Y, 80Z

Women's Studies 80J, 80S

T5—Humanities and Arts or Social Sciences

American Studies 80E, 80F, 80G

Economics 80J

Film and Digital Media 80A

History 80M

History of Art and Visual Culture 80A, 80B, 80D, 80E, 80F, 80G, 80J, 80K, 80L, 80M, 80N, 80P, 80Q, 80S, 80T, 80V

History of Consciousness 80F, 80I, 80J, 80K, 80O, 80Y

Kresge College 80A, 80B, 80T

Latin American and Latino Studies 80X

Linguistics 80C, 80D

Merrill College 80C

Oakes College 80A, 80B

Philosophy 80L

Stevenson College 80A, 80B, 80T

Women's Studies 80Y

T6—Natural Sciences or Humanities and Arts

Art 80F

Computer Engineering 80E

Music 80C, 80L, 80R

Philosophy 80S

Physics 80D

Porter College 80K

T7—Natural Sciences or Social Sciences

Environmental Studies 80A, 80B

Information Systems Management 80A, 80B, 80C

Physics 80C

Continued on next page

GENERAL EDUCATION REQUIREMENTS

Quantitative Courses (Q code)—One course required (5 credits)

Applied Mathematics and Statistics 3, 5, 7, 11A, 11B, 113, 131, 162
Astronomy and Astrophysics 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18, 80A, 80B, 118
Biomolecular Engineering 60
Chemistry and Biochemistry 1A, 1B, 1C
Computer Engineering 12, 16, 16H
Computer Science 80B
Earth Sciences 1, 10, 80A, 80B, 80C, 80D, 111
Economics 11A, 11B, 113
Environmental Toxicology 80E
Information Systems Management 80A, 80B, 80C
Mathematics 3, 11A, 11B, 19A, 19B, 21, 110
Ocean Sciences 1
Philosophy 9
Physics 1, 2, 5A, 5B, 5C, 6A, 6B, 6C, 7A, 7B, 80A
Psychology 2, 181
Sociology 103A, 103B

Composition Courses (C code)—One course required for students entering prior to fall 2005 (5 credits)

Writing 1

Composition Courses (C1 and C2 code)—One course each required for students entering fall 2005 (5 credits)

C1

College Eight 80A
College Nine 80A, 80H
College Ten 80A, 80H
Cowell College 80A
Crown College 80A
Kresge College 80A
Merrill College 80A, 80X
Oakes College 80A
Porter College 80A
Stevenson College 80A

C2

College Eight 80B
College Nine 80B
College Ten 80B
Cowell College 80B
Crown College 80B
Kresge College 80B
Merrill College 80B, 80Z
Oakes College 80B
Porter College 80B
Stevenson College 80B, 81B
Writing 2

Writing-Intensive Courses (W code)—One course required (5 credits)

American Studies 100, 105A, 114B, 125H
Anthropology 150, 152, 170, 172, 194A, 194C, 194E, 194F, 194G, 194H, 194I, 194J, 194K, 194L, 194M, 194N, 194O, 194P, 194Q, 194R, 194S, 194T, 194V, 194W, 194X, 194Y, 196A-B
Biology 141L, 145L, 169L
Chemistry and Biochemistry 122
Community Studies 121, 194

Computer Engineering 185
Crown College 123
Economics 106, 107, 128, 142, 165, 183, 184, 195
Environmental Studies 100L (concurrent enrollment in 100 required), 104A, 129, 140, 156, 157, 172
Environmental Toxicology 151
Film and Digital Media 120, 150, 194B, 194C, 194D, 196B
History 194A, 194C, 194D, 194E, 194H, 194J, 194M, 194O, 194Q, 194R, 194T, 194U, 194V, 194W, 194X, 194Y, 195B, 196A, 196B, 196D, 196E, 196F, 196G, 196H, 196I, 196K, 196L, 196M, 196N, 196O, 196R, 196S, 196U, 196V, 196Y, 196Z
History of Art and Visual Culture 100A, 187A
Information Systems Management 158
Kresge College 80T
Latin American and Latino Studies 100B, 194P, 195A
Legal Studies 128, 149, 183, 196
Linguistics 52, 55, 101, 113
Literature 1, 101
Philosophy 120, 190M
Physics 195A-B (A: 3 credits; B: 2 credits)
Politics 100
Psychology 100C, 100K, 100L, 100R, 113, 125, 176
Sociology 103B, 134, 195C
Stevenson College 80T
Theater Arts 157, 159
Women's Studies 194I, 195
Writing 64, 101, 102, 103, 110A, 161, 161A, 163, 165, 166A, 166B, 166D, 167

Arts Courses (A code)—One course required (5 credits)

Courses carrying fewer than 5 credits may be combined for credit toward satisfaction of the A requirement if they total at least 5 credits.

Anthropology 81A
Art 10G, 10H, 20, 21, 22, 23, 24, 26, 28, 30, 39, 40, 60, 70A, 70B, 70C, 80A, 80C, 80D, 80E, 102, 107, 109, 112, 113, 114, 117A, 118, 119, 123, 126, 135, 136, 141, 150B, 152, 161
Community Studies 125, 147
Cowell College 21, 22, 70A, 70B, 70C
Film and Digital Media 20A, 20B, 20C, 20P, 80A, 80B, 80C, 80D, 132A, 132B, 136A, 136B, 151, 160, 165A, 170A, 170B, 176, 185D
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Fall 2005 Course Descriptions

The following course descriptions are for fall quarter 2005. Descriptions for individual studies courses are not included in these listings. Please contact the course sponsoring agencies for additional information.

College Eight

42C. Student-Directed Seminar: Human Sexuality.

Emphasizing education, gender, and women's health, investigates human sexuality through the perspective of various disciplines, taking into account biological, historical, cultural, psychological, and social elements of sexuality. Enrollment limited to 25.

80A. Introduction to University Discourse: Environment and Society.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Explores relationships between society, social justice and the environment, through environmental history and contemporary environmental studies. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T3-Social Sciences, C1.)

80B. Rhetoric and Inquiry: Environment and Society.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Explores relationships between society and social justice and the environment through environmental history and contemporary environmental studies. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T3-Social Sciences, C2.)

90. College Eight Garden Internship (1 credit).

One-credit internship in the College Eight Garden. Offers students of College Eight an opportunity to become involved in an experimental learning project focusing on application of concepts of sustainable agriculture. Enrollment restricted to members of College Eight. Enrollment limited to 10. May be repeated for credit.

College Nine

80A. Introduction to University Discourse: International and Global Issues.

Explores rhetorical principles and conventions of university discourse and provides intensive practice in analytical writing, critical reading, and speaking. Topics address contemporary global issues including economic globalization, human rights, international and inter-ethnic conflicts, poverty, and immigration. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C1.)

80B. Rhetoric and Inquiry: International and Global Issues.

Explores the intersection of investigation, interpretation, and persuasion and refines strategies for writing, research, and speaking. Topics address contemporary global issues including economic globalization, human rights, international and inter-ethnic conflicts, poverty, and immigration. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

80H. Rhetoric and Inquiry: International and Global Issues (Honors Section).

Explores rhetorical principles and conventions of university discourse and provides intensive practice in analytical writing, critical reading, and speaking. Topics address contemporary global issues including economic globalization, human rights, international and inter-ethnic conflicts, poverty, and immigration. Permission of instructor required; selection for this honors course based on application submitted prior to fall quarter. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

College Ten

80A. Introduction to University Discourse: Social Justice and Community.

Explores rhetorical principles and conventions of university discourse and provides intensive practice in analytical writing, critical reading, and speaking. Examines social justice issues; topics include racism, sexism, and other forms of prejudice and discrimination; poverty and welfare; civil liberties; and community involvement and citizenship. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C1.)

80B. Rhetoric and Inquiry: Social Justice and Community.

Explores the intersection of investigation, interpretation, and persuasion and refines strategies for writing, research, and speaking. Examines social justice issues; topics include racism, sexism, and other forms of prejudice and discrimination; poverty and welfare; civil liberties; and community involvement and citizenship. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

80H. Rhetoric and Inquiry: Social Justice and Community (Honors Section).

Explores rhetorical principles and conventions of uni-

versity discourse and provides intensive practice in analytical writing, critical reading, and speaking. Examines social justice issues; topics include racism, sexism, and other forms of prejudice and discrimination; poverty and welfare; civil liberties; and community involvement and citizenship. Permission of instructor required; selection for this honors course based on application submitted prior to fall quarter. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

Cowell College

70A. Bookbinding.

Students learn techniques of bookbinding, construction, and design. (Formerly course 70, *Book Arts*.) (Also offered as Art 70A. Students cannot receive credit for both courses.) Enrollment limited to 12. (General Education Code(s): A.)

80A. Introduction to University Discourse: Imagining Justice Past and Present.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Focuses on conceptions of justice, historic and contemporary, and considers how literary and artistic media may transmit, question, or revise notions of the just. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T4-Humanities and Arts, C1.)

80B. Rhetoric and Inquiry: Imagining Justice Past and Present.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Focuses on conceptions of justice, historic and contemporary, and considers how literary and artistic media may transmit, question, or revise notions of the Just. Incorporates independent research. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T4-Humanities and Arts, C2.)

184A. Leadership and Institution Building (2 credits).

Through lectures by senior administrators and student consensus-and-recommendation teams, students learn how leaders work with constituent groups, build cooperation, and develop implementation plans in an institution such as the University of California, specifically, UC Santa Cruz. Enrollment restricted to undergraduates accepted in the Chancellor's Undergraduate Internship Program. (Formerly Crown 184A.) Enrollment limited to 40.

Crown College

80A. Intro to University Discourse: Ethical Issues in Emerging Technologies: Transgenics, Clones, Cyborgs.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Examines ethical challenges resulting from the constant changes caused by rapidly accelerating pace of change brought on by science and technology. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T4-Humanities and Arts, C1.)

80B. Rhetoric and Inquiry: Ethical issues in Emerging Technologies: Transgenics, Clones, Cyborgs, and AI.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines ethical challenges resulting from constant changes caused by rapidly accelerating pace of change brought on by science and technology. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T4-Humanities and Arts, C2.)

Kresge College

80A. Introduction to University Discourse, Power and Representation.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Analyzes historical constructions of our national life, particularly since World War II, encouraging students to reexamine their relation to their cultural inheritances and to consider their place in the contemporary international community. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1.)

80B. Rhetoric and Inquiry: Power and Representation.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Analyzes historical constructions of our national life, particularly since World War II, encouraging students to reexamine their relation to their cultural inheritances and to consider their place in the contemporary international community. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2.)

80T. Power and Representation (Kresge Core Course for Transfer Students).

Designed primarily for incoming transfer students. Examination of key moments at middle and end of 20th century. Focuses on Hiroshima and dawn of atomic age; social movements of late 1950s, 1960s, and early 1970s,

including civil rights, Vietnam War, women's movement, and gay and lesbian movement. Each instructor has special two-week period to examine related topics that reflect the overall focus of core. The last part of course deals with economic downturn of 1990s. Besides section meetings, several nights all students come together to watch core-related films or listen to lectures. (Formerly *Cultural Intersections*.) Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment limited to 24. (General Education Code(s): T5-Humanities and Arts or Social Sciences, W.)

Merrill College

80A. Introduction to University Discourse: Cultural Identities and Global Consciousness.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Examines world poverty, imperialism, and nationalism; peoples' need to assert their cultural identities; and the benefits of individuals' absorption in worthy causes. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T3-Social Sciences, C1, E.)

80B. Rhetoric and Inquiry: Cultural Identities and Global Consciousness.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines world poverty, imperialism, and nationalism; peoples' need to assert their cultural identities; and the benefits of individuals' absorption in worthy causes. Incorporates outside research. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T3-Social Sciences, C2, E.)

80X. Introduction to University Discourse: Cultural Identities and Global Consciousness.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Examines world poverty, imperialism, and nationalism; people's need to assert their cultural identities; and the benefits of individuals' absorption in worthy causes. Interview only: Merrill College first-year students are selected for this year-long scholars program on basis of application submitted prior to fall quarter. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C1, E.)

85A. Merrill Classroom Connection Field Study.

Supervised hands-on experience assisting in classrooms and after-school programs at local schools including one-on-one mentoring, small group instruction, art projects, and playgrounds. Includes weekly sections, readings of practical and theoretical relevance, field notes, and a final paper. Permission of instructor required; contact Classroom Connection Coordinator at 459-5671. May be repeated for credit.

85B. Merrill Classroom Connection Field Study (3 credits).

Supervised hands-on experience assisting in classrooms and after-school programs at local schools including one-on-one mentoring, small group instruction, art projects, and playgrounds. Includes weekly sections, readings of practical and theoretical relevance, field notes, and a final paper. Permission of instructor required; contact Classroom Connection Coordinator at 459-5671. May be repeated for credit.

Oakes College

10. Academic Success (2 credits).

Provides opportunity to assess and revise methods of and purposes in studying. Critical, effective approaches to reading, writing, participating in lectures and sections, taking exams, balancing competing responsibilities, and utilizing campus resources explored. Enrollment by permission of college adviser.

80A. Introduction to University Discourse: Values and Change in a Diverse Society.

Explores rhetorical principles and conventions of university discourse providing intensive practice in analytical writing, critical reading, and speaking. Examines historical and contemporary aspects of multiculturalism in the U.S. Explores how social inequality based on ethnicity, race, class, and gender occurs among all levels of society. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1, E.)

80B. Rhetoric and Inquiry: Values and Change in a Diverse Society.

Explores intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines historical and contemporary aspects of multiculturalism in the U.S. Explores how social inequality based on ethnicity, race, class, and gender occurs among all levels of society. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2, E.)

Porter College

22A. Day of the Dead (2 credits).

Day of the Dead: Creating an Exhibition-an exploration of art created to celebrate death in Mexican, Chicano, and American culture. Culminates in the creation of a Day of the Dead ceremony and community altar including students' individual art pieces. Enrollment limited to 25. (General Education Code(s): A.)

80A. Introduction to University Discourse: Writing Across the Arts.

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Study, discuss, and write about social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-

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year college members who have not satisfied the C1 requirement. (General Education Code(s): T4-Humanities and Arts, C1.)

80B. Rhetoric and Inquiry: Writing Across the Arts.

Explores the intersections between rhetoric (persuasion) and inquiry (investigation) and hones strategies for effective reading, writing, speaking, and research. Read, discuss, research, and write about social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T4-Humanities and Arts, C2.)

83. Pacific Rim Film Festival: Viewing Across Cultures (2 credits).

Involves viewing Asian and Pacific films at the annual Pacific Rim Film Festival, participating in post-screening discussions with area experts, and writing on the issues of cross-cultural viewing/reading of film. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

121D. Sundanese Gamelan and Dance Theater (2 credits).

Practical study of the musical traditions of the Sundanese people of Indonesia with attention to technique and cultural features leading to the performance of a dance theater performance. Enrollment limited to 15. May be repeated for credit. (General Education Code(s): A.)

180. Writing Across the Arts: Pedagogical Practicum.

Upper-division students participate in Porter core course, joining in seminars and leading small group sections exploring social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Participate in weekly seminar dealing with pedagogical practice preparing students to raise issues related to texts, critical thinking, writing, and the artistic process. (Formerly Arts in a Multicultural Society: Pedagogical Practicum.). Enrollment limited to 18.

Stevenson College

80A. Introduction to University Discourse: Self and Society.

Explores rhetorical principles and conventions of university discourse providing intensive practice in analytical writing, critical reading, and speaking. Stevenson's core course considers the roots of modern society using foundational religious texts and major classical and modern philosophical works. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 25. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1.)

80B. Rhetoric and Inquiry: Self and Society.

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Stevenson's core course investigates the roots of modern society, using foundational religious texts and classical and modern philosophical works. Students cannot receive credit for this course and course

80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 25. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2.)

80H. Rainbow Theater: An Introduction to Multicultural Theater.

Introduction to Asian American, Chicano/Latino, and African American plays through reading of major authors, discussion of social and historical context of their work, and development of a production of a one-act play from each cultural group. In-depth examination of key historical context of these three cultural groups. Video presentations followed by class discussion. Enrollment limited to 25. May be repeated for credit. (General Education Code(s): T4-Humanities and Arts, E.)

American Studies

2. California and Californians.

Interdisciplinary examination of past and present California and its diverse peoples, with attention to regional, national, and global contexts. Addresses social, political, and cultural issues and considers representation of California life in literature and film. Satisfies American History and Institutions requirement. (General Education Code(s): IH, E.)

80E. U.S. Racial and Ethnic Histories and Formations.

Introduces key concepts and debates in study of race and ethnicity in U.S. by focusing on a particular ethnoracial group (e.g., Native Americans, Mexican Americans, Asian Americans, African Americans) or by developing a comparative perspective. May be repeated for credit. (General Education Code(s): T5-Humanities and Arts or Social Sciences, E.)

100. Key Concepts in American Studies.

Introduction to key American studies concepts, featuring the close scrutiny of a small selection of representative American studies texts, lectures by several American studies faculty, and careful attention to analytical writing. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomores, juniors, and seniors. (General Education Code(s): W.)

102B. Sexuality and Culture.

Examines how aspects of sexuality (such as sexual identities, preferences, roles, and desires) are fundamentally shaped by social-cultural and psychological factors. Topics include gender formation, the social construction of sexuality, and the historical emergence of the modern "gay" and "lesbian" identity of the U.S. Recommended for senior American studies majors.

123F. Native American Women.

Introduces students to the history of Native North American women's lives. Topics include the impact of colonization and Christianization on Native women, political activism, the role of Native women in tribal politics, and contemporary artistic production. (General Education Code(s): E.)

126C. Chicana/o Literature and Film.

Examines the formations and contestations of social, political, and cultural identities for Chicanas and

Chicanos through a critical study of select Mexican American texts and films. (General Education Code(s): E.)

188. 9/11.

Considers the events of September 11, 2001, and the subsequent changes in U.S. society and in the country's role across the globe. Focuses on three arenas where these transformations have occurred: politics, culture, popular culture, and racial and ethnic relations.

190E. Rethinking American Studies.

As a culminating experience in the major, the seminar intends to encourage seniors to meditate critically on what American studies is and what it will be in the future. Focuses much attention on recent calls for a "post-nationalist" American studies, considers the possibilities/problems such imperatives bring, and analyzes recent work in this direction. Enrollment limited to 20.

Anthropology

1. Introduction to Human Evolution.

Study of evolution illustrated by Pleistocene hominid fossils and variation in living human groups. Behavior and evolution of primates examined as they contribute to the understanding of human evolution. Required for all anthropology majors. (General Education Code(s): IN.)

80I. Culture and Power in Latin America.

Introduces key issues in the anthropology of Latin America, with emphasis on identity formation, cultural practices, and power. Major themes include race, class, and gender as intersecting forms of oppression, violence, and terror and indigenous social movements. (General Education Code(s): T3-Social Sciences, E.)

81A. Mexican Folklorico Dance (2 credits).

Provides instruction in the aesthetic, cultural, and historical dimensions of Mexican folklorico dance. Students taught choreographed dances from various regions of Mexico and also learn dance techniques (técnica) and stage make-up application. Additional workshops and lectures offered to supplement class. Open to all students; no previous experience required. (Formerly Latin American and Latino Studies 129F, *Mexican Folklorico Dance*.) (Also offered as Latin American and Latino Studies 81A. Students cannot receive credit for both courses.) May be repeated for credit. (General Education Code(s): A.)

102A. Human Skeletal Biology.

Presents basic human osteology allowing students to identify skeletal material by element. Emphasizes the dynamic nature of bone by integrating anatomy with a discussion of bone physiology within the context of the human life cycle. Prerequisite(s): course 1. Enrollment limited to 16.

103. Forensic Anthropology.

Covers the basic analysis of human skeletal remains for the medicolegal profession. Assessment of age, sex, ancestry, and general physical characteristics, trauma, and disease are discussed. Legal responsibilities of the anthropologist are addressed.

123. Psychological Anthropology.

An introduction to some of the central theoretical issues in psychological anthropology. Psychoanalytic, cog-

nitive, and relativist perspectives on the link between person and society are discussed and compared.

130A. Peoples and Cultures of Africa.

Survey of sub-Saharan societies. Analysis of principles of social organization and factors of cultural unity of selected western, eastern, central, and southern African peoples. (General Education Code(s): E.)

130E. Culture and Politics of Island Southeast Asia.

Southeast Asia includes a variety of societies exhibiting many ecological adaptations, religions, marriage systems, and experiences with colonial powers. Case studies of particular societies, chosen to reveal variety, are examined comparatively. Emphasis on religion and social organization. Prerequisite(s): course 2. (General Education Code(s): E.)

130J. Anthropology of Jews and Jewishness.

Overview of the field of anthropology through the lens of the study of Jews and Jewishness. Ethnographic examples integrated into the themes explored throughout the course. (General Education Code(s): E.)

134. Medical Anthropology: An Introduction.

Cross-cultural study of health, disease, and illness behavior from ecological and ethnomedical perspectives. Implications for biomedical health care policy.

135A. Cities.

Examines cities from an anthropological perspective. Reviews pertinent social scientific literature of the 19th and early 20th centuries. Surveys the concepts and methods used by contemporary anthropologists to investigate urban phenomena.

150. Communicating Anthropology.

Encourages anthropology majors to explore different means of communicating anthropology with much attention to individual writing and presentation skills. Intensive work on library research; recognizing, comparing, and making arguments; and analyzing ethnographies, articles, reviews, and films. Prerequisite(s): two of the following courses: 1, 2, or 3; satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomores and juniors. (General Education Code(s): W.)

170. History of Archaeological Theory.

Historical review of prehistoric archaeology from antiquarianism to the present. Emphasis on development of archaeological theory and its relation to evolutionary and anthropological theory. Students cannot receive credit for this course and course 270. Prerequisite(s): course 3; satisfaction of the Entry Level Writing and Composition requirements. Recommended for juniors. Offered in alternate academic years. (General Education Code(s): W.)

176A. North American Archaeology.

Development of Native cultures in North America. Topics include peopling of the New World, early foragers, spread of agriculture and complex societies in the Southwest and Eastern Woodlands, and review of cultural developments in the West and Far North.

194A. History of Evolutionary Theory.

The history of ideas. At the most general level, concern is with the impact of scientific thinking in biology and human evolution. An overview of Darwin's work pre-

sents the broader framework of scientific method. Students cannot take this course after completing another senior seminar. Students cannot receive credit for this course and course 294A. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; courses 1, 2, and 3. Enrollment restricted to seniors majoring in anthropology. Enrollment limited to 15. (General Education Code(s): W.)

194S. Hearing Culture: The Anthropology of Sound.

Explores relationships between culture and acoustic worlds—environmental, verbal, and musical—within which we live. How sound is shaped by human belief and practice and the role sound plays in cultural and social life, both past and present. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; courses 1, 2, and 3. Enrollment restricted to senior anthropology majors. Enrollment limited to 15. (General Education Code(s): W.)

200A. Core Graduate Course (10 credits).

Introduces history, ethnography, and theory of cultural anthropology with emphasis on awareness of construction of anthropological canon and areas of conflict within it, leading up to contemporary debates on a variety of issues. Two-term course: students must enroll in both quarters. Enrollment restricted to anthropology graduate students. Enrollment limited to 12.

228. Grant Writing.

Devoted entirely to writing grant proposals. Students either work on their graduate education fellowships or their doctoral dissertation grants or both. Reading materials consist of granting agency documents plus examples of successful applications. Enrollment restricted to anthropology graduate students. Enrollment limited to 15. May be repeated for credit.

230. Image Culture.

Visuality as epistemology, image-consumption, and the political and representational possibilities stemming from digitization and the World Wide Web are increasingly important issues in the humane sciences. Offers historical and critical background and the possibility of hands-on practice using visual material in current research. Enrollment restricted to graduate students. Enrollment limited to 15.

270. History of Archaeology.

Historical review of prehistoric archaeology from antiquarianism to the present. Emphasis on the development of archaeological theory, its relation to evolutionary and anthropological theory, and themes ongoing over time. Students cannot receive credit for this course and course 170. Enrollment restricted to graduate students. Enrollment limited to 15.

276A. Advanced Topics in North American Archaeology.

In-depth examination of development of Native cultures in North America from end of last ice age to time of European contact. Focuses on specific regional trajectories and problems of social change. Enrollment restricted to graduate students. Enrollment limited to 15.

292. Graduate Colloquium (2 credits).

Designed to offer an institutionalized mechanism for the presentation of research papers and teaching efforts

by faculty and advanced graduate students. Enrollment restricted to graduate students. May be repeated for credit.

294A. History of Evolutionary Theory.

History of ideas about evolution as a process, with a focus on human evolution from Darwin's methods and contributions through genetics, paleontology, and the modern evolutionary synthesis, concluding with the impact of molecular data on understanding of evolution today. Students cannot receive credit for this course and course 194A. Enrollment restricted to graduate students. Enrollment limited to 15.

Applied Math and Statistics

3. Precalculus for Science and Engineering.

Includes real and complex numbers, inequalities, linear and quadratic equations, functions, graphs, exponential and logarithmic functions, trigonometry, and analytic geometry, with applications in science and engineering. Students cannot receive credit for both this course and Mathematics 2AB or 3. Mathematics 3 can substitute for course 3. (Formerly Engineering 3.) Prerequisite(s): score of 20 or higher on Mathematics Placement Exam or Mathematics 2. (General Education Code(s): Q.)

5. Statistics.

Introduction to statistical methods/reasoning, including descriptive methods, data-gathering (experimental design and sample surveys), probability, interval estimation, significance tests, one- and two-sample problems, categorical data analysis, correlation and regression. Emphasis on applications to the natural and social sciences. Students cannot receive credit for this course and course 7, and Mathematics 5 and 7. (Formerly Engineering 5.) (General Education Code(s): IN, Q.)

11A. Mathematical Methods for Economists.

An introduction to mathematical tools and reasoning, with applications to economics. Topics are drawn from precalculus and calculus and include functions and graphs, techniques of differentiation, relative extrema, logarithms and exponents, and differentials. Students who have already taken Mathematics 11A and 19A should not take this course. (Also offered as Economics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 31 or above on Math Placement Exam. Students who do not place into precalculus should enroll in Math 1. (General Education Code(s): Q.)

11B. Mathematical Methods for Economists.

Mathematical tools and reasoning, with applications to economics. Topics are drawn from integral calculus, multivariable calculus, and linear algebra and include definite integrals, partial derivatives, Lagrange multipliers, matrix algebra, and solving systems of linear equations. (Also offered as Economics 11B. Students cannot receive credit for both courses.) Prerequisite(s): course 11A or Economics 11A. (General Education Code(s): Q.)

15A. Contemporary Calculus I.

Case-study-based first-quarter introduction to single-variable calculus, with lab component featuring contemporary symbolic, numerical, and graphical computing tools. Includes functions, mathematical modeling,

limits, continuity, tangents, velocity, derivatives, the chain rule, implicit differentiation, higher derivatives, exponential and logarithmic functions and their derivatives, differentiating inverse functions, the mean value theorem, concavity, inflection points, function optimization, and curve-sketching. Students cannot receive credit for this course and course 11A or Economics 11A or Mathematics 11A or 19A. Prerequisite(s): course 3 or Mathematics 3 or score of 40 or higher on precalculus placement exam or by permission of instructor. Concurrent enrollment in course 15L required. (General Education Code(s): IN, Q.)

15L. Contemporary Calculus I Laboratory (2 credits).

Case-study-based laboratory for first-quarter introduction to single-variable calculus, featuring contemporary symbolic, numerical, and graphical computing tools. Elementary programming in Maple or Mathematica to graph functions, calculate limits and derivatives symbolically and numerically, and solve maximization problems symbolically and numerically. Prerequisite(s): course 3 or Mathematics 3 or score of 40 or higher on precalculus placement exam or by permission of instructor. Concurrent enrollment in course 15A is required.

27. Mathematical Methods for Engineers.

This course provides the mathematical background for several engineering courses. The content includes linear algebra, ordinary differential equations, and Laplace Transform methods. Students cannot receive credit for this course and Mathematics 24 or 27. (Formerly Engineering 27.) Prerequisite(s): Mathematics 19B or 22 or 23A or 26 or permission of instructor. Concurrent enrollment in course 27L is required.

27L. Mathematical Methods for Engineers Laboratory (2 credits).

Computer demonstrations of solutions of differential equations. Numerical simulations of differential equations using the supplied Matlab programs with graphics user interfaces. Elementary programming in Matlab language to solve equations and to visualize solutions. (Formerly Engineering 27L.) Prerequisite(s): Mathematics 19B or 22 or 23A or 26 or permission of instructor. Concurrent enrollment in course 27 is required.

205. Mathematical Statistics.

Graduate introduction to topics in probability and mathematical statistics from the frequentist point of view: sufficiency, exponential families, maximum likelihood estimation, optimality theory for estimation, confidence intervals and significance testing, decision theory, convergence in probability and in law, central limit theorems, and efficiency and asymptotic normality. (Formerly Engineering 205.) Enrollment restricted to graduate students. Undergraduates are encouraged to take this class with permission of instructor.

211. Applied Mathematical Methods I.

Focuses on the analytical and numerical methods for solving differential equations. Topics include well-posed problems, Fourier transform, separation of variables, Green's functions, Huygen's principle, calculus of variation, numerical discretization, local truncation error, global error, error estimation, numerical stability, multigrid method. (Formerly Engineering 211.) Enrollment restricted to graduate students. Undergraduates are encouraged to take this class with permission of instructor.

263. Stochastic Processes.

Includes probabilistic and statistical analysis of random processes, continuous-time Markov chains, hidden Markov models, point processes, Markov random fields, spatial and spatio-temporal processes, and statistical modeling and inference in stochastic processes. Applications to a variety of fields. (Formerly course 203.) Prerequisite(s): course 205 or 261 or permission of instructor.

Arabic

1. Instruction in the Arabic Language.

Instruction in elementary modern standard Arabic with emphasis on the fundamentals of grammar, reading, writing, and progressing toward speaking and conversation.

Art

20. Introduction to Drawing for the Major.

Introduction to the methods, materials, and purposes of drawing to develop perceptual and conceptual skills through a series of assignments, providing various approaches to drawing as a tool for creative exploration. Discussions and critiques facilitate the development of critical skills. Designed for students considering the art major. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

22. Introduction to Electronics for Intermedia.

Provides basic introduction to electronic devices for use in making intermedia art. Provides hands-on experience working with sensors, motors, switches, gears, lights, simple circuits, and hardware store devices to create kinetic and interactive works of art. Produce sculptural or installation-based projects. Demonstrations, lectures, and critical discussion of work given to develop concepts and technical skills. Students are billed a materials fee. Enrollment restricted to pre-art and art majors. Enrollment limited to 20. (General Education Code(s): A.)

23. Intermedia I.

Introduction to combining media, materials, and forms to explore contemporary art practices such as installation, time based work, performance, collaboration, and interactivity. Assignments encourage an exploration of conscious subject matter, process, and technique. Discussions, reading handouts, and critiques help develop perceptual and conceptual skills. Skill workshops introduce new techniques. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

24. Introduction to Painting: Oil.

Introduction to medium of oil painting and to painting process. Assignments develop understanding of potential of this medium as a tool for perceptual and conceptual exploration. Slide lectures introduce assignments and are basis for class discussion of contemporary and historical art activity in the field. Students billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

26. Introduction to Printmaking.

Survey of print medium: basic terminology, techniques, application of tools, materials, and condensed history of development of printmaking. Assignments consist of individual and collaborative projects aimed at building skills and gathering technical experience. Introduction to relief printing (black and white and color), intaglio, letterpress, and interface between photography/computer and the handmade print. Exploration of print media for communication of issues including formal aesthetics, social/psychological and personal narrative. Students billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

30. Introduction to Photography for Art Majors.

Introduction to photography as an art form that explores visual ideas beginning with camera-ready use, negative development, and printing. Prepares for further work in photography or for collaboration with other media in art including computer arts and two- and three-dimensional mixed media. Critically examines photographic works while reading historical and theoretical texts. Students billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

39. Public Art I: Community, Site, and Place.

Introduces contemporary public art through studio practice, slides, and readings. Create public art works, design scale models, drawings, and project proposals. Includes a community-based public art project with local school children and an ephemeral landscape project. Students are billed a materials fee. Enrollment limited to 20. (General Education Code(s): A.)

60. Forms and Ideas.

Required for all junior transfer student art majors. Introduction to the art program, emphasizing awareness of contemporary visual practices and theory. Combines studio practice and theory. Students are billed a materials fee. Enrollment restricted to junior transfer art majors. Enrollment limited to 20. (General Education Code(s): A.)

70A. Bookbinding.

Students learn techniques of bookbinding, construction, and design. (Formerly course 70, *Book Arts*.) (Also offered as Cowell College 70A. Students cannot receive credit for both courses.) Enrollment limited to 12. (General Education Code(s): A.)

80C. Introduction to Visual Arts.

Focus is placed on contemporary issues in critical theory and studio practice in comparison with theory and practice in other historical contexts. Students are introduced to topics that involve the social, political, and aesthetic role of visual images in both the private and public domains. While theory and practice are addressed in the context of Western cultures, guest speakers introduce topics related to the visual practices of their cultures. Enrollment limited to 140. (General Education Code(s): T4-Humanities and Arts, A.)

80D. Introduction to Photography.

Introductory course for beginners and nonmajors. Various techniques examined and assigned in specific exer-

cises. Work on projects using color film; this is a non-darkroom course. Examples given of photography from 1826 to the present. Balances historical study and practice through assigned homework exercises. Students billed for a materials fee. Enrollment limited to 90. (General Education Code(s): T4-Humanities and Arts, A.)

80F. Introduction to Issues in Digital Media.

Digital media revolutionizing ways in which artists create and exchange information. Introduces digital media through lectures, demonstrations, and exercises. Topics include networks, imaging, MIDI, interactivity, audio/video, and the World Wide Web. (General Education Code(s): T6-Natural Sciences or Humanities and Arts, A.)

101. Intermediate/Advanced Drawing.

Work moves toward individual directions in drawing. A variety of media are explored. Each student is expected to do 150 hours of drawing over the quarter. Students are billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

103. Intermediate/Advanced Painting.

Continuation of the development of a basic foundation in painting with emphasis on the development of individual, experimental procedures. Students are billed for a materials fee. Prerequisite(s): course 24. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

109. Intermedia II.

Further investigation in combining media, materials, and forms to explore a variety of contemporary art practices. Students develop their projects thematically throughout the quarter. Assignments encourage experimentation with time and motion, text and images, collaboration, installation, performance, and interactivity. Discussions, reading handouts, and critiques further the development of perceptual and conceptual skills. Skill workshops introduce new techniques. Students billed for a materials fee. Prerequisite(s): course 22 or 23 or 29 or 39. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

111. Book Arts II.

Individual projects to complete printing and binding of small books. Taught in conjunction with course 70. Does not fulfill a requirement for the art major. Enrollment limited to 12. May be repeated for credit.

112. Intaglio I.

Introduces students to various methods used in making intaglio prints. Encourages individual artistic growth of imagery and technique through assignments designed to explore the medium. Includes discussion and critique of work with equal emphasis on technique and concept. Students are billed for a materials fee. (Formerly offered as *Relief and Intaglio Printmaking*.) Prerequisite(s): course 26. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

114. Lithography I.

Introduction to drawing, processing, and printing of lithographs from stone. Emphasis on discovery of tonal, textural, and expressive potential from the surface of

the stone, while establishing individual directions in imagery. Condensed history of the medium, technical theory, and critique in lecture and demonstrations. Students are billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

117A. Monoprinting/Mixed Media Printmaking.

Explores a crossover discipline that combines skills of drawing and painting with printmaking, offering a wide range of possibility for personal expression using both oil-based and water-based inks on a variety of plates. Registration and over-printing methods are demonstrated along with mixed media prints. Students are billed a materials fee. Prerequisite(s): course 20 or 80A. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

130. Intermediate Photography.

Continuation of course 30. Students explore visual ideas, directing their work toward individualized goals. Required work includes making photographic prints, reading historical and theoretical works, and examination of photographs. Students are billed for a materials fee. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

132. Color in Photography.

Concentration on making photographic works in color. Students produce a portfolio of color photographs, read historical and theoretical works, and study photographs and other art works. Individualized projects may include work with color transparencies, Ektacolor printing, color xerox, computer-generated imagery, or mixed media. Students are billed for a materials fee. May be repeated once for credit. Prerequisite(s): course 130. Enrollment restricted to art majors. Enrollment limited to 20.

134. Special Topics in Photography.

Special studies in photography, concentrating on specific subject matter or media. Topics may include documentary photography, landscape, alternative processes, or mixed media. Students are billed for a materials fee. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

135. Introduction to Digital Photography.

Introduction to basic theories behind the digital production, manipulation, and output of photographic images. Through readings and production, students address major issues specific to working with images in an increasingly digital environment. Students are billed for a materials fee. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

139. Intermediate to Advanced Sculpture (Foundry).

This intermediate/advanced course provides the information and facilities necessary to express ideas through the indirect process of metal casting. The "lost wax" method is used to manifest ideas in sculpture. Lectures and demonstrations are combined with work time in

class. Students generate sculpture forms in wax then gate, invest, weld, chase, patina, and present at least one finished piece. Students are billed a materials fee. May be repeated once for credit. Prerequisite(s): one of the following: course 28, 29, 39, 40, or 41. Enrollment restricted to art majors. Enrollment limited to 17. May be repeated for credit.

140. Metal Sculpture.

Focus on teaching intermediate to advanced students the processes and techniques of direct metal fabrication for contemporary sculpture. Explores a range of welding, cutting, and forming techniques and processes through demonstrations, slide lectures, field trips, and studio time. Demonstrations, slide lectures, and critical discussion of work help develop technical and conceptual skills. Students are billed for a materials fee. Prerequisite(s): one of the following courses: 22, 23, 28, 29, 40, or 41. Enrollment restricted to art majors. Enrollment limited to 16. May be repeated for credit.

141. Sculpture II.

More advanced fabrication techniques in sculpture using wood, metal, and other building and industrial materials. Techniques include basic carpentry, woodshop skills, and an introduction to the metal fabrication facilities. Demonstrations, slide lectures, and critical discussion of work help develop technical and conceptual skills. Students are billed for a materials fee. Prerequisite(s): course 23, 28, 29, 39, 40, or 41. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

Astronomy and Astrophysics

2. Overview of the Universe.

An overview of the main ideas in our current view of the universe, and how they came about. Galaxies, quasars, stars, pulsars, and planets. Intended primarily for nonscience majors interested in a one-quarter survey of classical and modern astronomy. (General Education Code(s): IN, Q.)

3. Introductory Astronomy: The Solar System.

Properties of the solar system, the sun, solar system exploration, the physical nature of the Earth and the other planets, comets and asteroids, origin of the solar system, possibility of life on other worlds, planet formation, and search for planets beyond the solar system. Intended for nonscience majors. Courses 3, 4, and 5 are independent and may be taken separately or sequentially. (General Education Code(s): IN, Q.)

8. The Violent Universe: Cosmic Catastrophes and Life on Earth.

An overview of current ideas of how astronomical events have influenced evolution of life on Earth. Comet/meteor impacts, mass extinctions, dinosaur deaths, direct evidence: cratering, dealing with future impacts. Related topics: changes in planetary orbits, evolution of the sun, galaxy collisions, fate of the universe. Course intended for nonscience majors. (General Education Code(s): IN, Q.)

13. Galaxies, Cosmology, and High Energy Astrophysics.

An introduction to modern cosmology and extragalactic astronomy. Topics include the origin of the universe,

Big Bang cosmology, expansion of the universe, dark matter, properties of galaxies and active galactic nuclei, and very energetic phenomena in our own and other galaxies. It is recommended that students have completed a minimum of high school algebra and physics; course intended principally for science majors. (General Education Code(s): IN, Q.)

112. Physics of Stars.

The leading observational facts about stars as interpreted by current theories of stellar structure and evolution. Spectroscopy, abundances of the elements, nucleosynthesis, stellar atmospheres, stellar populations. Final stages of evolution, including white dwarfs, neutron stars, supernovae. Prerequisite(s): Mathematics 22 or 23A, Physics 5B or 6B, and 101A.

135A. Astrophysics Advanced Laboratory (3 credits).

Introduction to techniques of modern observational astrophysics at optical and radio wavelengths through hands-on experiments. Intended primarily for juniors and seniors majoring or minoring in astrophysics. Offered in some academic years as single-term course 135 in fall, depending on astronomical conditions. (Also offered as Physics 135A. Students cannot receive credit for both courses.) Prerequisite(s): Physics 133 and at least one astronomy course.

171. General Relativity, Black Holes, and Cosmology.

Special relativity is reviewed. Curved space-time, including the metric and geodesics, are illustrated with simple examples. The Einstein equations are solved for cases of high symmetry. Black hole physics and cosmology are discussed, including recent developments. (Also offered as Physics 171. Students cannot receive credit for both courses.) Prerequisite(s): Physics 105, 110B, and 114B.

204B. Physics of Astrophysics II.

Fluid mechanics, equation of motion, inviscid and viscous flow, boundary layers, turbulence, compressibility, sound and non-linear waves, heat and momentum transport, instabilities, magnetohydrodynamics, Alfvén waves, antipolar diffusion, plasma physics, stability. Enrollment restricted to graduate students. Offered in alternate academic years.

205. Introduction to Astronomical Research.

Lectures by UCSC faculty on current areas of astronomical and astrophysical research being carried out locally. Enrollment restricted to graduate students.

225. Physics of Compact Objects.

Physics of dense matter: equations of state. Structure and cooling of white dwarfs and neutron stars. Observations and phenomenology of pulsars. Elementary relativity; properties of black holes. Compact objects in binary systems: X-ray sources, binary pulsars. Pulsars in globular clusters. Offered in alternate academic years.

240A. Galactic and Extragalactic Stellar Systems.

Structure and evolutionary histories of nearby galaxies. Stellar populations, galactic dynamics, dark matter, galactic structure and mass distributions. Peculiar galaxies and starbursting galaxies. Structure and content of the Milky Way. Evolution of density perturbations in the early universe. Hierarchical clustering model for galaxy formation and evolution.

292. Seminar (no credit).

Seminar attended by faculty, graduate students, and upper-division undergraduate students.

Biochemistry and Molecular Biology

80A. Understanding Drugs.

Scientific information on prescription and non-prescription drugs and drugs of abuse is presented. Covers basic pharmacological concepts, the underlying science behind various disorders and the drugs that are used to treat these disorders. Some drugs covered include common pain relievers, allergy and respiratory drugs, vitamins, gastrointestinal drugs, contraceptives, caffeine, drugs for mental illness, diet drugs, alcohol, drugs in sports, and drugs of abuse. (General Education Code(s): T2-Natural Sciences.)

100A. Biochemistry.

Fundamentals of molecular biology, structure and function of nucleic acids, and protein structure. Designed for students preparing for research careers in biochemistry and molecular biology. Lecture: 3-1/2 hours; discussion: 1-1/4 hours. Prerequisite(s): Chemistry 108B and 108M or 112C and 112N; Biology 20A; Biology 105 strongly recommended as preparation.

Biology

15. Undergraduate Research Reports (1 credit).

Undergraduate students who work in faculty research laboratories present the results of their projects. Organized by the Minority Undergraduate Research Program and the Minority Access to Research Careers Program. Designed for students with membership in the above-mentioned programs. Prerequisite(s): qualifications as determined by instructor at first class meeting. May be repeated for credit.

20B. Development and Physiology.

Topics in morphology, physiology, development, genetics, and endocrinology selected to exemplify current issues and perspectives in organismic biology. Prerequisite(s): course 20A.

20C. Ecology and Evolution.

Introduction to ecology and evolution covering principles of evolution at the molecular, organismal, and population levels. Evolutionary topics include genetic and phenotypic variation, natural selection, adaptation, speciation, and macroevolution. Also covers behavioral, population, and community ecology including applied ecological issues. Prerequisite(s): passing score on Biology Placement Exam or course 3.

20L. Experimental Biology Laboratory (2 credits).

Provides biology majors with the theory and practice of experimental biology. A wide range of concepts and techniques used in the modern laboratory are included in the exercises. Designed to satisfy the introductory biology lab requirement of many medical and professional schools. Students are billed for a materials fee. Prerequisite(s): course 20A and previous or concurrent enrollment in 20B. Enrollment limited to 20.

70. Introduction to Psychobiology.

Brain sciences, behavior of animals and humans in the laboratory and field; the evolution of social behavior through natural selection. Topics include research tech-

niques, neural mechanisms, sensory-motor processes, sensory systems, learning, biological rhythms, energy regulation. (General Education Code(s): IN.)

75. Scientific Diving Certification (2 credits).

Prerequisite for course 161/L, *Kelp Forest Ecology*, and all research diving performed under the auspices of UCSC or other academic institutions. Course work includes lectures and scuba diving. Topics include subtidal sampling techniques, navigation, low visibility diving, search and recovery, rescues, small boat use, oxygen administration for divers, technical blue water deep diving, physics, and physiology. Pick up application in room A414 EMS during preceding quarter. Students are billed a course materials fee that covers costs for equipment use, materials, and transportation. Prerequisite(s): skill level equal to Advanced Scuba Diver Certification, pass scuba physical, provide own scuba gear, be certified in CPR and First Aid; and interview: pass swim test and scuba skills test. Enrollment limited to 16.

80A. Female Physiology and Gynecology.

Biochemical, medical, social, and clinical aspects of the female body. Emphasis will be on biological-chemical interactions in the female organs. Topics include female anatomy, cell physiology, endocrine functions, sexuality and intimacy, sexually transmitted diseases, puberty, pregnancy, menopause, birth control, abortion, immunity, cancer. (General Education Code(s): T2-Natural Sciences.)

80L. The Secret Sex Lives of Plants.

The long, tortuous, and sometimes comic history of the discovery of sexuality in plants, from Aristotle to Sprengel and Hofmeister, is examined as a case study of the cultural, religious, and psychological barriers that can operate to impede scientific understanding. (General Education Code(s): T2-Natural Sciences.)

100. Biochemistry.

An introduction to biochemistry including biochemical molecules, protein structure and function, membranes, bioenergetics, and regulation of biosynthesis. Provides students with basic essentials of modern biochemistry and the background needed for upper-division biology courses. Students who plan to do advanced work in biochemistry and molecular biology should take the Biochemistry and Molecular Biology 100 series directly. Students cannot receive credit for this course after they have completed any two courses from the Biochemistry and Molecular Biology 100A, 100B, and 100C sequence with grades of Pass, C, or better. Prerequisite(s): courses 20A and 20B; and Chemistry 7 or 108A or 112A.

105. Genetics.

Mendelian and molecular genetics; mechanisms of heredity, mutation, recombination, and gene action. Students cannot receive credit for this course and course 106. Prerequisite(s): courses 20A and 20B.

105M. Microbial Genetics Laboratory.

Exploration of basic genetics processes such as replication, mutation, DNA repair, recombination, gene exchange, population genetics, and evolution using microbial model organisms; classic techniques in microbial genetics and contemporary molecular techniques presented. Prerequisite: course 105. Enrollment limited to 16.

110. Cell Biology.

Covers the structure, organization, and function of eukaryotic cells. Topics include biological membranes, organelles, protein and vesicular trafficking, cellular interactions, the cytoskeleton, and signal transduction. Requires a good understanding of basic biochemistry and molecular biology. Prerequisite(s): courses 20A and 20B; course 100 or Biochemistry and Molecular Biology 100A.

117A. Advanced Genetics.

An analysis of selected topics in the primary research literature including conditional lethality, classical fine structure genetics, the coding problem, control of operon expression, phage lambda, and developmental genetics. Students cannot receive credit for this course and 200A. Prerequisite(s): course 105 and Biochemistry and Molecular Biology 100A.

119. Microbiology.

Cell and molecular biology of bacteria and their viruses, including applications in medicine, public health, agriculture, and biotechnology. Prerequisite(s): courses 20A, 20B, and 100.

119L. Microbiology Laboratory.

An introduction to the principles and practices of laboratory microbiology, with a substantial presentation of optical microscopy. Students are billed for a materials fee. Prerequisite(s): course 119. Course 119 may be taken concurrently.

125. Introduction to Neuroscience.

The structure and function of the nervous system. Topics include elementary electrical principles, biophysics and physiology of single nerve and muscle cells, signal transduction at synapses, development of the nervous system, and neural basis of behavior. Requires a good understanding of basic biochemistry, cell biology, and molecular biology. Prerequisite(s): course 100. Concurrent enrollment in course 105 or 110 is encouraged.

131. Animal Physiology.

Principles and concepts underlying the function of tissues and organ systems in animals with emphasis on vertebrate systems. Students cannot receive credit for this course and course 130. Prerequisite(s): courses 20A, 20B, and 100.

131L. Animal Physiology Laboratory (2 credits).

Experiments conducted with primary focus on quantitative physiological principles of organ systems and intact organisms. Students cannot receive credit for this course and course 130L. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, and 100. Enrollment limited to 25.

137. Ichthyology.

An introduction to the biology of jawless, cartilaginous, and bony fishes—their classification, evolution, form, physiology, and ecology. Prerequisite(s): courses 20A, 20B, and 20C. Course 137L must be taken concurrently. Offered in alternate academic years.

137L. Ichthyology Laboratory (2 credits).

One laboratory session a week and several field trips to study the biology of fish. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, and 20C. Course 137 must be taken concurrently. Offered in alternate academic years.

140. Behavioral Ecology.

An introduction to social and reproductive behavior. Emphasis on studies of vertebrates in their natural habitat. Ideas concerning the evolution of social behavior, mating systems, and individual reproductive strategies. Case histories of well-studied animals that illustrate key principles in courtship and mating, parental behavior, and food-getting behavior. Prerequisite(s): courses 20A, 20B, and 20C.

144. Ornithology.

Introduction to the evolution, ecology, behavior, and natural history of birds, using exemplary case histories to illustrate key concepts in evolution, ecology, and behavior. Prerequisite(s): course 140, 150, or 175, or Environmental Studies 24 or 105. Concurrent enrollment in course 144L is required. Enrollment limited to 20.

144L. Ornithology Field Studies (2 credits).

Field trips introduce students to field identification skills and field investigation of census, foraging behavior, migration, social behavior, and communication. Examination of specimens in the laboratory will be used to highlight the diversity and taxonomy of birds. Students are billed for a materials fee. Some field trips may require students to provide their own transportation. Prerequisite(s): course 140, 150, or 175, or Environmental Studies 24 or 105. Concurrent enrollment in course 144 is required. Enrollment limited to 20. Offered in alternate academic years.

161. Kelp Forest Ecology.

Study of organization of kelp forests as models for examining biological communities. The physical and biotic factors responsible for community organization of kelp forests are explored using original literature and data collected in course 161L. Class meets one full morning each week. Prerequisite(s): by interview only; courses 20A, 20B, and 20C are required. Students must pass the University Research Diving Certification (contact the diving safety officer, Institute of Marine Sciences, for further information). Enrollment restricted to seniors. Course 161L must be taken concurrently; courses 136/L, 150, or 170/L are recommended. Enrollment limited to 24. Offered in alternate academic years.

161L. Kelp Forest Ecology Laboratory.

Fieldwork using SCUBA to quantitatively and qualitatively examine the abundance and distribution of organisms in kelp forests, with additional laboratory work. Culminates with a directed individual research project. Class meets one full morning each week. Students are billed for a materials fee. Admission by interview; courses 20A, 20B, and 20C are required; course 161 must be taken concurrently; course(s) 136/L, 150, or 170/L are recommended. Students must pass the University Research Diving Certification (contact the Diving Safety Officer, Institute of Marine Sciences, for further information). Enrollment limited to 24. Offered in alternate academic years.

163. Marine Conservation Biology.

Initially undertakes an in-depth comparison of the biology and conservation of marine versus terrestrial ecosystems. With this foundation, course examines marine biodiversity loss resulting from overexploitation, habitat loss, species introduction, and pollution, with par-

ticular emphasis on the resulting trophic cascades, biodiversity losses, and climate change. Students cannot receive credit for this course and Environmental Studies 120. Prerequisite(s): courses 20A, 20B, and 20C; Ocean Sciences 101 recommended.

169. Plant Ecology.

An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity. Lecture with discussions of original papers and independent field project. Students cannot receive credit for this course and courses 165 or 269. Prerequisite(s): course 20C or Environmental Studies 24. Course 150 is recommended. Enrollment limited to 30.

175. Evolution.

An examination of the history and mechanisms of evolutionary change. Topics include molecular evolution, natural and sexual selection, adaptation, speciation, biogeography, and macroevolution. Prerequisite(s): courses 20A, 20B, 20C, and 105.

185F. Hughes Undergraduate Research Lab (2 credits).

Covers the application of modern research techniques to unanswered questions in human molecular genetics. Especially designed for self-motivated students interested in scientific discovery. Admission by permission of instructor. Enrollment limited to 25.

185L. Hughes Undergraduate Research Lab.

Covers the application of modern research techniques to unanswered questions in human molecular genetics. Especially designed for self-motivated students interested in scientific discovery. Admission by permission of instructor. Enrollment limited to 25.

186F. Undergraduate Research in MCD Biology (2 credits).

Supervised undergraduate research in laboratory of an MCD biology faculty member accompanied by weekly lectures on ethical and practical scientific issues. Topics include laboratory safety; the scientific method; the collection, treatment, and presentation of data; critical evaluation of scientific literature; scientific misconduct; and peer review. Career issues, including how to apply for admission to graduate and professional schools, also discussed. Prerequisite(s): courses 20A and 20B; at least one of course 100, 105, or Biochemistry 100A; and permission of instructor. May be repeated for credit.

186L. Undergraduate Research in MCD Biology.

Supervised undergraduate research in laboratory of an MCD biology faculty member accompanied by weekly lectures on ethical and practical scientific issues. Topics include laboratory safety; the scientific method; the collection, treatment, and presentation of data; critical evaluation of scientific literature; scientific misconduct; and peer review. Career issues, including how to apply for admission to graduate and professional schools, also discussed. Prerequisite(s): courses 20A and 20B; at least one of course 100, 105, or Biochemistry 100A; and permission of instructor.

187L. Molecular Biotechnology Laboratory.

An intensive molecular biology laboratory that presents procedures used in molecular and biotechnology re-

search. Topics and procedures include DNA/RNA isolation, cloning and library construction, southern and northern hybridization, DNA fingerprinting, PCR, manual and automated sequencing, and computer methods for analyzing molecular data. New procedures currently being developed in biotechnology industries are presented by industry representatives. Students cannot receive credit for this course and course 116L or 287L. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, 20C, 100, and 110. Enrollment limited to 20.

189. Health Sciences Internship.

Structured off-campus learning experience providing hands-on experience and pre-professional mentoring in a variety of health-related settings. Interns are trained and supervised by a professional at their placement and receive academic guidance from their faculty sponsor. Students spend 10–12 hours per week at their placement, participate in weekly discussion meetings on campus, keep a reflective journal, and submit a final paper. Prerequisite(s): by interview with health sciences internship coordinator; applications are due one quarter in advance to the Health Sciences Internship Office. Enrollment restricted to health sciences majors. May be repeated for credit.

200A. Advanced Genetics.

An analysis of selected topics in the primary research literature including conditional lethality, classical fine structure genetics, the coding problem, control of operon expression, phage lambda, and developmental genetics. Students cannot receive credit for this course and course 117A. Enrollment restricted to graduate students. Qualified undergraduates may enroll in course 117A.

208. Cellular Signaling Mechanisms.

All eukaryotic cells utilize intricate signaling pathways to control such diverse events as cell-cell communication, cell division, and changes in cell morphology. This course covers the molecular basis of these cellular signaling pathways, focusing on the most current research. Prerequisite(s): courses 105, 110, and 115. Enrollment restricted to seniors and graduate students. Enrollment limited to 15. Offered in alternate academic years.

250A. Advanced Organismal Biology.

Consists of lectures focusing on pivotal topics in ecology and evolution. Relevant background material is developed followed by a critical analysis of readings from the primary literature. Designed to give graduate (and advanced undergraduate) students direct contact with the major areas of research that are currently at the forefront of organismal biology. Offered in alternate academic years.

269. Plant Ecology.

An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity. Lecture with discussions of original papers and independent field project. Students cannot receive credit for this course and course 169. Prerequisite(s): course 150 or Environmental Studies 24 or permission of instructor. Concurrent enrollment in course 269L is required except by permission of instructor. Enrollment restricted to graduate students.

279. Evolutionary Ecology.

Analysis of the ways in which ongoing evolution and coevolution shape the ecological structure and dynamics of populations, species, and species interactions across geographic landscapes. Enrollment restricted to graduate students.

280A. Topics in Research on Molecular Genetics of Yeast (2 credits).

Intensive research seminar on the structure and function of the gene expression machinery in the simple eukaryote *Saccharomyces cerevisiae* and its relationship to the human gene expression machinery. Enrollment restricted to graduate students; qualified undergraduates may enroll with approval of instructor. May be repeated for credit.

280C. Developmental Genetics of *C. elegans* (2 credits).

An intensive seminar concerning genetic and molecular analysis of development of the nematode worm *C. elegans*. Participants are required to present results of their own research and to review relevant papers. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of the instructor. May be repeated for credit.

280D. RNA Processing (2 credits).

A discussion of current research and literature concerning the regulation of precursor messenger RNA processing. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10. May be repeated for credit.

280F. Development of Vertebrate Neural Connections (2 credits).

Intensive research seminar on molecular mechanisms by which neural connections are established during mouse development. Special focus on topographic maps and role of Eph receptors and ephrins in this process. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

280K. Topics in Cell Cycle Research (2 credits).

An intensive seminar focusing on current research on the molecular mechanisms that control cell division. Participants are required to present results of their own research or to review journal articles of interest. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor.

280L. Topics on Neural Development (2 credits).

Seminar covering research into the development of the embryonic nervous system. Enrollment restricted to graduate students. Enrollment limited to 12. May be repeated for credit.

280N. Structure and Function of Ribosomes (2 credits).

An intensive and advanced course focusing on the structure and function of ribosomes. Participants present research findings in an organized, critical fashion, in the context of current research literature in the ribosome field. Enrollment restricted to graduate students; qualified undergraduate students may enroll with permission of the instructor. Enrollment limited to 20. May be repeated for credit.

280O. Topics in Bacterial Pathogenesis (2 credits).

Intensive seminar focusing on mechanisms of bacterial pathogenesis of the ulcer-causing bacterium *Helicobacter pylori*. Participants are required to present results from their own research and relevant journal articles. (Also offered as Environmental Toxicology 281O. Students cannot receive credit for both courses.) Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 20. May be repeated for credit.

280T. Molecular Biology of *Drosophila* Development (2 credits).

An intensive seminar concerning the molecular genetics of *Drosophila*. Recent research is discussed weekly, with an emphasis on gene regulation and development. Students present their own research or critical reviews of recent articles at least once during the quarter. Qualified undergraduates are encouraged to enroll with permission of instructor. Prerequisite(s): see the enrollment conditions section of the quarterly *Schedule of Classes*; courses 105, 110, 115, 120, and Biochemistry and Molecular Biology 100A are recommended as preparation. Enrollment limited to 10. May be repeated for credit.

280U. Discussions on the Development of the *Drosophila* Embryo (2 credits).

Involves a two-hour weekly meeting in which the students discuss topics concerning the cell cycle, early embryonic development, and the cytoskeleton. These discussions critically evaluate ongoing research in this area. Material is drawn from student research and recently published journal articles. Students are also expected to meet individually with the instructor two hours weekly. In addition to a three–five page research proposal, each student gives two one-hour oral presentations. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

280Y. Developmental Neurobiology of *C. elegans* (2 credits).

An intensive seminar concerning molecular genetic analysis of neural development and plasticity of the nematode worm *C. elegans*. Participants are required to present results of their own research and to review relevant research. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 18. May be repeated for credit.

281A. Topics in Basic and Applied Marine Ecology.

Seminar focusing on concepts in basic and applied ecology. Structure rotates quarterly between graduate student research and readings of journal articles and textbooks. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10.

281B. Topics in Molecular Evolution (2 credits).

A discussion of current research and literature review on the subject of molecular evolution. Primary focus on recent results on molecular phylogenetics and molecular population genetics. Enrollment restricted to

graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281C. Topics in Physiological Ecology.

An intensive seminar focusing on the interaction between physiological constraint and life history options and solutions employed by animals. Topics vary from comparative physiology to ecological theory. Participants are required to present results of their own research or review papers of interest. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281F. Ecological Research Topics.

Intensive research and discussions on plant-animal interactions. All students undertake a research project and meet weekly with the faculty sponsor to monitor progress. The group meets weekly to discuss experimental design and analysis, specific problems related to the students' research, relevant research papers, or manuscripts that the group members are writing. Each student gives a formal presentation of research plans or progress each quarter. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10. May be repeated for credit.

281J. Topics in Research on Biochemical Ecology.

Seminar in which students give critically evaluated presentations regarding current research on selected topics in plant ecology with an emphasis on biochemical ecology. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 12. May be repeated for credit.

281L. Topics in Behavioral and Evolutionary Ecology.

An intensive seminar on selected topics in behavioral and evolutionary ecology. Students are expected to discuss the current literature and present literature reviews, research proposals, and preliminary results from their ongoing research. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10.

281N. Topics in Marine Vertebrate Ecology.

Seminar on the ecology of marine vertebrates. Topics vary from the factors that explain the distribution of marine predators to island biogeography and the ecosystem effects of introduced vertebrates on islands. Enrollment restricted to graduate students. Enrollment limited to 12. May be repeated for credit.

281Q. Topics in Molecular Evolutionary Genetics.

An intensive seminar on selected topics in molecular evolutionary genetics. Students are required to present results from their own research projects, present a critical review paper at least once during the quarter, and submit a written research proposal. Enrollment restricted to graduate students; qualified undergraduate students may enroll with permission of instructor. Enrollment limited to 10. May be repeated for credit.

281R. Topics in Marine Ecology and Evolutionary Biology.

An intensive seminar series focusing on fundamental concepts in marine ecology. Emphasis changes quarter to quarter. At least one quarter per year is devoted to discussion of graduate student research. Other quarters involve reading and evaluating current and classic literature on marine ecology and evolutionary biology. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10. May be repeated for credit.

281T. Species Interactions and Coevolution.

The genetics and ecological structure of species interactions, and the role of coevolution between species in shaping biodiversity. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

281U. Topics in Invertebrate Biology.

An intensive study about concepts, theory, and techniques for graduate students conducting research on the ecology, genetics, evolution, systematics, or biodiversity of marine invertebrates. Enrollment restricted to graduate students; advanced undergraduates may enroll with permission of instructor. Enrollment limited to 15. May be repeated for credit.

281V. Topics in Behavioral Ecology.

A discussion of current topics and methods in behavioral ecology and life history evolution. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 12.

281W. Topics in Exercise and Environmental Physiology.

A weekly seminar discussion on current research and techniques in mammalian exercise and environmental physiology. Areas covered include locomotor physiology, exercise testing and cardiovascular monitoring, and biomechanics. Oral presentation of ongoing research or current literature required from each student. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 10.

287L. Molecular Biotechnology Laboratory.

An intensive molecular biology laboratory that presents procedures used in molecular and biotechnology research. Topics and procedures include DNA/RNA isolation, cloning and library construction, southern and northern hybridization, DNA fingerprinting, PCR, manual and automated sequencing, and computer methods for analyzing molecular data. New procedures currently being developed in biotechnology industries are presented by industry representatives. Students cannot receive credit for this course and course 116L or 187L. Enrollment restricted to graduate students. Qualified advanced undergraduate students may enroll in course 187L. Enrollment limited to 20.

291. Molecular, Cellular, and Developmental Biology Seminar (2 credits).

Topics of current interest in molecular, cellular, and developmental biology are presented weekly by graduate students, faculty, and guest speakers. (Formerly course 291A.) Enrollment limited to 60. May be repeated for credit.

292. MCD Seminar (no credit).

Various topics by weekly guest speakers. May be repeated for credit.

294. Ecology, Evolutionary Biology Seminar (no credit).

Selected topics of current interest to ecologists and evolutionary biologists presented by weekly guest speakers.

295. Advanced Ecology and Evolutionary Biology Seminar (no credit).

Course consists of extended weekly meetings organized around an advanced theme in theoretical or applied evolutionary biology, ecology, physiology, behavior, or other aspect of organismal biology. Course is targeted at students who already have reached a professional level of expertise in their field and advanced master students. Enrollment restricted to graduate students. Enrollment limited to 24. May be repeated for credit.

Biomolecular Engineering

200. Research and Teaching in Bioinformatics (3 credits).

Basic teaching techniques for teaching assistants, including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. Examines research and professional training, including use of library and online databases, technical typesetting, writing journal and conference papers, publishing in bioinformatics, giving talks in seminars and conferences, and ethical issues in science and engineering. Required for all teaching assistants. Enrollment restricted to graduate students.

205. Bioinformatics Models and Algorithms.

Covers bioinformatics models and algorithms: the use of computational techniques to convert the masses of information from biochemical experiments (DNA sequencing, DNA chips, and other high-throughput experimental methods) into useful information. Emphasis is on DNA and protein sequence alignment and analysis. (Formerly course 100, *Introduction to Bioinformatics*.) Prerequisite(s): Computer Science 12B or 13H; Computer Engineering 107 or Applied Math and Statistics 131A. Corequisite: Biochemistry 100A.

280B. Seminar on Bioinformatics (2 credits).

Weekly seminar series covering topics of current research in computational biology or bioinformatics. Current research work and literature in these areas are discussed in weekly meetings. Enrollment restricted to graduate students or permission of instructor. May be repeated for credit.

281H. Seminar in Comparative Genomics (2 credits).

Weekly seminar series covering topics of current computational and experimental research in comparative genomics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281K. Seminar on Protein Structure Prediction (2 credits).

Weekly seminar series covering topics of current computational and experimental research in protein structure prediction. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281L. Seminar in Computational Genetics (2 credits).

Weekly seminar series covering topics and experimental research in computational genetics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281S. Seminar in Computational Functional Genomics (2 credits).

Weekly seminar series covering topics of current computational and experimental research in computational functional genomics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

Chemistry and Biochemistry

1A. General Chemistry.

First term of an integrated study of general chemistry. Course 1A is suitable for people who have not studied chemistry. Covers a range of topics including the atomic structure of matter, molecules, chemical reactions, acids and bases, gases and nuclear chemistry. Lecture: 3-1/2 hours; discussion: 1-1/4 hours. Students are expected to use algebra to solve problems. Prerequisite(s): completion of the Chemistry Placement Examination. (General Education Code(s): IN, Q.)

1B. General Chemistry.

Second term of an integrated study of general chemistry. Coverage includes quantum mechanics, the hydrogen atom, many-electron atoms and chemical periodicity, and elementary covalent bonding. Lecture: 3-1/2 hours, discussion: 1-1/4 hours. Prerequisite(s): course 1A or passing the 1B placement exam, or a preparatory chemistry course at another college or university, or a grade of 4 on the AP chemistry examination. (General Education Code(s): IN, Q.)

1M. General Chemistry Laboratory (2 credits).

Laboratory sequence illustrating topics covered in courses 1B-1C, respectively, and important experimental techniques. Laboratory: 3 hours; lecture: 1-1/4 hours. Students are billed a materials fee. Course 1M offered fall and winter; 1N offered winter and spring. Prerequisite(s): course 1A or passing the 1B placement exam, course 1B or concurrent enrollment in 1B; satisfaction of the Subject A writing requirement is highly recommended. Enrollment limited to 144.

108A. Organic Chemistry.

An integrated study of fundamental organic chemistry, with emphasis on materials especially relevant to the

biological sciences. Students with credit for course 112A cannot receive credit for course 108A; students with credit for 112B or 112C cannot receive credit for 108B. Lecture: 3-1/2 hours, discussion: 1-1/4 hours. Prerequisite(s): course 1C or 4B or a grade of 5 on the AP chemistry examination.

108L. Organic Chemistry Laboratory (2 credits).

Laboratory experience in organic chemistry associated with courses 108A-108B, respectively. Designed to introduce the student to the many techniques associated with organic chemistry while affording an opportunity to explore the concepts discussed in the lecture material. Laboratory: 4 hours, lecture: 1-1/4 hours. Students are billed a materials fee. Prerequisite(s): courses 1C/N and 108A or concurrent enrollment.

112A. Organic Chemistry.

An integrated study of fundamental organic chemistry, including principles, descriptive chemistry, synthetic methods, reaction mechanisms, and compounds of biological interest. These courses are coordinated with 112L-M-N respectively and are to be taken concurrently with them. Students with credit in course 108A can receive credit for courses 112B and 112C but not for 112A; students with credit in 108B cannot receive credit for 112B or 112C. Lecture: 3-1/2 hours; optional discussion section: 1-1/4 hours. Prerequisite(s): course 1C or 4B or a grade of 5 on the AP chemistry examination; and course 1N or 4M. Students should be concurrently enrolled in course 112L. Enrollment limited to 100.

112L. Organic Chemistry Laboratory (2 credits).

Laboratory experience in organic chemistry and associated principles. Experiments involve the preparation, purification, characterization, and identification of organic compounds and make use of modern as well as classical techniques. These courses are coordinated with 112A-B-C respectively, and are to be taken concurrently with them. For courses 112L and 112M: lecture: 1-1/2 hours and laboratory: 4 hours; for course 112N: lecture: 1-1/4 hours and laboratory: 8 hours. Students are billed a materials fee. Prerequisite(s): courses 1C/N. Students should be concurrently enrolled in course 112A. Enrollment limited to 100.

122. Principles of Instrumental Analysis.

A laboratory course designed to develop familiarity with techniques and instrumentation used in analytical chemistry, emphasizing determination of trace inorganic species. Primary emphasis on applications utilizing the absorption or emission of electromagnetic radiation and on voltammetry. Topics include molecular UV-visible absorption and fluorescence spectrometry; atomic absorption, emission and fluorescence spectrometry; and various forms of voltammetry. Lecture: 2 hours; laboratory: 8 hours. Students are billed a materials fee. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 108B or 112C. (General Education Code(s): W.)

143. Organic Chemical Structure and Reactions.

Advanced topics such as the chemistry of terpenes, steroids, synthetic polymers, alkaloids, reactive intermediates, and reaction mechanisms are treated. Lecture: 4 hours. Prerequisite(s): course 108B or 112C.

146A. Advanced Laboratory in Organic Chemistry (2 credits).

Designed to expose students to advanced laboratory techniques in organic chemistry. Experiments carry a research-like format and cover the areas of natural products and reaction chemistry. Modern methods of organic analysis are emphasized including chromatographic methods and organic structure determination by spectroscopy. Laboratory: 8 hours. Students billed a materials fee. Prerequisite(s): courses 108B/M or 112C/N. Enrollment limited to 16.

151B. Chemistry of the Main Group Elements.

Fundamental aspects of inorganic chemistry of main group elements are discussed. The emphasis is placed on the chemistry of nontransition elements including noble gases and halogens. In addition, students are exposed to the concepts of extended structures, new materials, and solid-state chemistry. Lecture: 3-3/4 hours. Prerequisite(s): courses 108B/M or 112C/N, and 163A. Recommended for chemistry majors.

163A. Quantum Mechanics and Basic Spectroscopy.

A detailed introduction to quantum theory and the application of wave mechanics to problems of atomic structure, bonding in molecules, and fundamentals of spectroscopy. Prerequisite(s): course 1C or 4B, Physics 5A-B-C or 6A-B-C and Mathematics 11C or 22 or 23B. Physics 6C can be taken concurrently.

164A. Physical Chemistry Laboratory I: Data Analysis (2 credits).

Introduction to data analysis and statistical treatment of errors for physical chemistry experiments. Emphasizes the use of computers for problem solving and data analysis of one required laboratory report. Lecture: 1 hour; laboratory: 4 hours. Prerequisite(s): course 1C or 4B; Physics 6A-B-C or 5A-B-C; Mathematics 11C or 22.

200A. Advanced Biochemistry: Biophysical Methods.

An introduction to the theory, principles, and practical application of biophysical methods to the study of biomolecules, especially proteins and nucleic acids. Emphasis on spectroscopic techniques. Topics include magnetic resonance, optical spectroscopy, fast reaction techniques, crystallography, and mass spectrometry.

240E. Modern Synthetic Methods (3 credits).

An advanced study designed to provide the background and insight to enable the student to compare and contrast new reagents and reactions with existing methods. Prerequisite(s): course 143.

240F. Selectivity and Strategy in Organic Synthesis (3 credits).

An advanced study on the use of chemoselectivity, regioselectivity, and stereoselectivity in organic transformations. Strategic planning in approaching the synthesis of complex molecules focuses primarily on retrosynthetic analysis and stereochemical control. Prerequisite(s): course 240E.

261. Foundations of Spectroscopy.

The basic theory of time dependent processes is covered at an advanced level. The interaction of electromagnetic radiation and matter is described using both

semiclassical and quantum field formulations. A variety of modern spectroscopic techniques are discussed both in terms of the basic processes and their use in the elucidation of chemical structure and dynamics. Prerequisite(s): course 163A. Offered in alternate academic years.

274. Proseminar in Synthetic and Polymer Chemistry.

Weekly meetings devoted to study of synthetic organic chemistry and controlled polymer design for applications in nanotechnology. Topics drawn from current literature and research interests of participants. May be repeated for credit.

282. Proseminar: Synthetic Methods.

Weekly meetings devoted to the study of asymmetric and/or enantio-selective synthesis of optically active organic compounds of biological and medicinal significance. Topics drawn from the current literature and the research interests of the participants. May be repeated for credit.

283. Proseminar in Physical Organic Chemistry.

Weekly meetings devoted to the study of physical and mechanistic organic chemistry. Topics drawn from the current literature and the research experiences of the participants. May be repeated for credit.

284. Proseminar in Synthetic Organic Chemistry.

Weekly meetings devoted to the study of synthetic organic chemistry. Topics drawn from the current literature and the research interests of the participants. May be repeated for credit.

285. Proseminar: Photobiochemistry and Photobiology.

A detailed study of molecular mechanisms of light energy conversion and light-signal transduction processes in biological systems. Student participation in critical discussion of current literature examples are emphasized. Two-hour lecture and two-hour seminar weekly. Enrollment limited to 8. May be repeated for credit.

286. Proseminar in Natural Products Chemistry.

Weekly meetings devoted to the study of natural products. Topics drawn from the current literature and research interests of the participants. May be repeated for credit.

287. Proseminar in Protein Aggregation and Protein Deposition Diseases.

A detailed study of various aspects of protein structure, folding, and aggregation in the context of the molecular mechanism of protein deposition diseases, with particular emphasis on Parkinson's disease and amyloidosis and the techniques involved in elucidating these mechanisms. May be repeated for credit.

288. Proseminar in Bioinorganic Chemistry.

Weekly meetings devoted to inorganic and bioinorganic research. Topics are drawn from current literature. Papers and reviews are discussed. Participants also give short seminars on topics of their research interests. May be repeated for credit.

291A. Organic Chemistry Research Seminar.

Open to chemistry graduate students interested in organic chemistry. Weekly meetings are held to hear both

local and external speakers discuss their work. Enrollment restricted to graduate students. May be repeated for credit.

291B. Biochemistry and Molecular Biology Research Seminar.

A weekly seminar series covering topics on the frontiers of biochemistry and molecular biology. The speakers include experts in these fields from other institutions. Enrollment restricted to graduate students. May be repeated for credit.

291C. Inorganic Chemistry Research Seminar.

For those interested in following the recent developments in the various areas of inorganic chemistry. External speakers; weekly discussion based on personal research or recent literature, led by the inorganic chemistry faculty, postdoctoral fellows, and students. Enrollment restricted to graduate students. May be repeated for credit.

291D. Physical Chemistry Research Seminar.

A weekly seminar series covering topics of current research in physical chemistry. Weekly meetings are held to hear both local and external speakers discuss their work. Enrollment restricted to graduate students. May be repeated for credit.

292. Seminar (2 credits).

Enrollment restrictions: graduate standing or approval of the graduate adviser.

296. Teaching Chemistry (3 credits).

University-level pedagogy in chemistry; examines the role of preparation, assessment, and feedback in teaching chemistry discussion and laboratory sections. Effective classroom techniques and organizational strategies discussed; oral presentations analyzed critically. Required of entering chemistry graduate students.

Chinese

1. Instruction in the Chinese (Mandarin) Language.

Instruction in elementary spoken and written Chinese (Mandarin). Conversation, structural analysis, and an introduction to character texts. Elementary sequence (1-2-3) begins in fall quarter only. Students interested in these courses who have not taken the prerequisite should meet with the instructor, prior to the first class meeting. [Formerly *Elementary Chinese (Mandarin)*.]

4. Intermediate Chinese (Mandarin).

Instruction in intermediate spoken and written Chinese (Mandarin). Conversation, composition, and the reading of modern texts. Intermediate sequence (4-5-6) begins in fall quarter only. Students interested in these courses who have not taken the prerequisite should meet with the instructor prior to the first class meeting. Prerequisite(s): course 3, or placement by examination. (General Education Code(s): IH.)

50. Preadvanced Chinese.

Places additional emphasis in the areas of specialized vocabulary, sentence structure, and translation as well as conversational and compositional skills in preparation for advanced courses. Offered fall quarter only. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. Prerequisite(s): course 6, or

placement by examination. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): IH.)

Community Studies

70. Video Laboratory (2 credits).

Trains students in the techniques of documentary film making. Through lectures, demonstrations, hands-on instruction, and review of students' work in progress, students learn the fundamentals of film/video pre-production, production, and post-production skills. Concurrent enrollment in course 80L required. Enrollment limited to 25.

71. Basic Photography Laboratory (2 credits).

Provides students with photography skills. Through lecture, demonstration, hands-on experience, and field sessions, students acquire technical and aesthetic training in basic darkroom skills, methods of photographing people, an introduction to alternative processes, and presentation of finished photographs. Concurrent enrollment in course 80L required. Enrollment limited to 20.

72. Audio Laboratory (2 credits).

Trains students in the fundamental techniques of documentary audio production. Through lectures, documentary examples, demonstrations, hands-on instruction, and consultation with students regarding their work in progress, students gain the skills they need to produce their own audio documentaries. Concurrent enrollment in course 80L required. Enrollment limited to 20.

80B. Civil Rights Movement: Grassroots Change and American Society.

The civil rights movement of the 1950s–60s was one of the most important grassroots social movements in American history. Course examines this movement, focusing especially on the experiences of rank-and-file participants and on its effects on American society. (General Education Code(s): T3-Social Sciences, E.)

80L. Social Documentation.

Examines works from various media recognized as being drawn from "real life." Through film, photography, oral history, and other examples, develops critical understanding of social documentation as a process with implicit theories and conventions. Students create beginning documentaries in production collectives. (General Education Code(s): T3-Social Sciences.)

80Q. Asian American Health.

Examines social and cultural issues relevant to Asian American health or mental health. Given implicit exclusionary biases in conventional health practices, the need is to broaden definitions of practice and prevention to encompass alternative conceptions of health care, as well as larger social problems related to social inequality, education, work, and adjustment to a racially diverse society. (General Education Code(s): T3-Social Sciences, E.)

100K. Theory and Practice of Culture and Health.

Explores the role of culture as it pertains to health. Important themes include holistic perspectives and the relative applicability of the western model to diverse populations. Prerequisite(s): admission determined at first class meeting. Enrollment restricted to sophomores

and juniors. Enrollment limited to 25. (General Education Code(s): IS.)

100M. Health Care Inequalities.

Examines system and non-system that is American health care with special attention to inequalities in access, financing, and quality of care. Covers concepts such as equality, fairness, and need as well as community organizing and community building for health. Interview only: admission determined at first class meeting. Enrollment limited to 25. (General Education Code(s): IS.)

100Y. Youth and Society.

Examines principal theories of youth “development” and role of schooling, poverty, and other influences on well-being and life outcomes of youth. Explores effective strategies for youth-related organizing and social change work. Interview only: admission determined after first class meeting. Enrollment restricted to sophomores and juniors. Enrollment limited to 25. (General Education Code(s): IS.)

123. Walmart Nation.

Examines origins and growth of Walmart stores as powerful guides to understanding dynamics of contemporary global political economy and, relatedly, the changing fortunes of global social classes.

Computer Engineering

1. Hands-on Computer Engineering (2 credits).

Hands-on introduction to computer engineering practice and research, including digital systems, computer networks, robotics, multimedia systems, embedded systems, and computer architecture. Designed for students without previous background in computer engineering. Preference given to students considering the computer engineering major. Enrollment restricted to first-year students; interested sophomores may contact faculty for permission number. Enrollment limited to 30.

3. Personal Computer Concepts: Software and Hardware.

Provides an introduction to computers. Personal computing is emphasized, and students are introduced to word processing, spreadsheets, database management, graphics, and programming. Covers fundamentals of computing and current and future uses of computer technology, PC hardware, Windows operating system, applications software, networking and the Internet, and developments in the computer industry. Designed for students with little or no experience using computers. Students cannot receive credit for this course and Computer Science 2. (General Education Code(s): IN.)

12. Computer Systems and Assembly Language.

Introduction to computer systems and assembly language and how computers compute in hardware and software. Topics include digital logic, number systems, data structures, compiling/assembly process, basics of system software, and computer architecture. Prerequisite(s): course 3 or Computer Science 10, 12A, 60G or 60N, or Biomolecular Engineering 60, or suitable programming experience; previous or concurrent enrollment in course 12L is required. (General Education Code(s): IN, Q.)

12L. Computer Systems and Assembly Language Laboratory (2 credits).

Laboratory sequence in assembly language programming. The lab examines both RISC and microcontroller programming. One two-hour laboratory per week with an optional second two-hour laboratory. (Formerly offered as *Computer Organization Laboratory*.) Prerequisite(s): course 3 or Computer Science 10, 12A, 60G, 60N, or Biomolecular Engineering 60, or suitable programming experience; previous or concurrent enrollment in course 12 is required. Enrollment limited to 140.

16. Applied Discrete Mathematics.

Introduction to applications of discrete mathematical systems. Topics include sets, functions, relations, graphs, trees, switching algebra, first order predicate calculus, mathematical induction, permutations, combinations, summation, and recurrences. Examples drawn from computer science and computer engineering. Prerequisite(s): eligibility to enroll in Mathematics 19A (completion of Mathematics 2B or 3 or Mathematics Placement Exam score of 40 or higher) or completion of Mathematics 19A or 11A. (General Education Code(s): Q.)

80H. History of Modern Computing.

Presents a history of the development of computing technologies (CPUs and I/O devices, operating systems, and languages) through the latter half of the 20th century in order to build an understanding of how today’s computing environment evolved. (General Education Code(s): T2-Natural Sciences.)

80N. Introduction to Networking and the Internet.

Introduction to the evolution, technological basis, and services of the Internet, with descriptions of its underlying communications structure, routing algorithms, peer-to-peer hierarchy, reliability, and packet switching. Network security, mail, multimedia and data compression issues, HTML, and digital images. Students who have completed course 150 cannot receive credit for this course. (General Education Code(s): T2-Natural Sciences.)

100. Logic Design.

Boolean algebra, logic minimization, finite-state machine design, sequential circuits, common logic elements, programmable logic devices, and an introduction to system level design. The electrical behavior of circuits including three state outputs, propagation delay, logic levels, and fanout. Prerequisite(s): courses 12 and 12L; previous or concurrent enrollment in course 100L required. Enrollment limited to 60.

100L. Logic Design Laboratory (2 credits).

Laboratory sequence illustrating topics covered in course 100. One two-hour laboratory session per week. Weekly laboratory assignments which require the use of the oscilloscopes, TTL circuits, computer-aided design and simulation tools, and programmable logic. Students are billed for a materials fee. Prerequisite(s): courses 12 and 12L; previous or concurrent enrollment in course 100 required. Enrollment limited to 60.

107. Mathematical Methods of Systems Analysis: Stochastic.

Introduction to fundamental tools of stochastic analysis. Probability, conditional probability, Bayes Theorem,

random variables, independence, Poisson processes, Bernoulli trials, and Markov chains. Instructor’s choice of additional topics, most likely drawn from confidence measures, difference equations, transform methods, stability issues, applications to reliability, queues, and hidden Markov models. Students cannot receive credit for this course and Applied Mathematics and Statistics 131. Prerequisite(s): course 16 or 16H and Mathematics 22 or 23A.

110. Computer Architecture.

High performance computer architecture including examples of current approaches and the effect of technology and software. Instruction set design and RISC, cache and virtual memory, pipelining, SIMD (array and vector) processors, MIMD multiprocessors, interconnection schemes, performance. Offered in alternate quarters. Prerequisite(s): courses 12, 12L, and 16 or 16H.

121. Microprocessor System Design.

The design and use of microprocessor-based systems. Covers microprocessor and microcontroller architecture, programming techniques, bus and memory organization, DMA, timing issues, interrupts, peripheral devices, serial and parallel communication, and interfacing to analog and digital systems. Prerequisite(s): courses 12/L and 100/L; Electrical Engineering 70/L; previous or concurrent enrollment in course 121L required. Enrollment limited to 40.

121L. Microprocessor System Design Laboratory (2 credits).

Laboratory sequence illustrating topics covered in course 121. One two-hour laboratory session per week. Students design, build, program, debug, document, and demonstrate a microprocessor-based system. Students are billed for a materials fee. Prerequisite(s): courses 12C/L and 100/L; Electrical Engineering 70/L; previous or concurrent enrollment in course 121 required. Enrollment limited to 40.

123A. Engineering Design Project I (3 credits).

First of a two-course sequence that is culmination of the engineering program. Students apply knowledge and skills gained in elective track to complete a major design project. Students complete research, specification, planning, and procurement for a substantial project. Includes technical discussions, design reviews, and formal presentations; engineering design cycle, engineering teams, and professional practices. Formal technical specification of the approved project is presented to faculty. Prerequisite(s): course 171 or computer engineering 121; previous or concurrent enrollment in computer engineering 185; must have passed core exam if computer engineering major; permission of department and instructor. Students are billed a materials fee. (Also offered as Electrical Engineering 123A. Students cannot receive credit for both courses.)

125. Logic Design with Verilog.

Digital logic design, system-level design using current state of the art in CAE tools. Students learn to design large-scale logic circuits from fundamental building blocks and methods with the help of tools used by professionals in the field today. All examples and assignments will use the Verilog Hardware Description Language. Prerequisite(s): courses 121 and 121L; concurrent enrollment in course 125L. Students re-

quired to pass computer engineering core exam in first week of class to remain enrolled. Enrollment limited to 20.

125L. Logic Design with Verilog Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 125. One two-hour laboratory session per week. Students are billed a materials fee. Prerequisite(s): courses 121/L; concurrent enrollment in course 125. Enrollment limited to 20.

150. Introduction to Computer Networks.

Addresses issues arising in organizing communications among autonomous computers. Network models and conceptual layers; Internet-working; characteristics of transmission media; switching techniques (packet switching, circuit switching, cell switching); medium access control (MAC) protocols and local area networks; error-control strategies and link-level protocols; routing algorithms for bridges and routers; congestion control mechanisms; transport protocols; application of concepts to practical wireless and wireline networks and standard protocol architectures. Students who have completed course 80N can take this course for credit. Prerequisite(s): courses 12, 12L, and 16 or 16H.

174. Introduction to EDA Tools for PCB Design (3 credits).

Focus on EDA tools for design of printed-circuit boards. Elements of design flow covered: schematic capture and simulation to final PCB layout. Final project is required. Prerequisite(s): Electrical Engineering 70 or consent of instructor.

177. Applied Graph Theory and Algorithms.

Basic concepts and algorithms are reviewed including trees, Eulerian and Hamiltonian graphs, and graph transversal. Algorithms are explored to solve problems in connectivity, routing, matching, and embedding of graphs. Graph theory and algorithms are developed around applications in computer engineering. Prerequisite(s): Computer Science 101.

185. Technical Writing for Computer Engineers.

Writing by engineers and computer scientists, not to general audiences, but to engineers, engineering managers, and technical writers. Exercises include job application and resume, in-code documentation, algorithm description, naive-user documentation, library puzzle, survey article, proposal, progress report, formal technical report, and oral presentation. Ability to read Pascal or C is assumed. Courses such as Computer Science 12A or 60G or 60N are sufficient and recommended for students lacking Pascal or C reading ability. Prerequisite(s): satisfaction of Entry Level Writing and Composition requirements; Computer Science 12B or 13H or Computer Engineering 12. Enrollment restricted to School of Engineering majors. Enrollment limited to 60. (General Education Code(s): W)

200. Research and Teaching in Computer Science and Engineering (3 credits).

Basic teaching techniques for teaching assistants including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. Examines research and professional training,

including use of the library and online databases, technical typesetting, writing journal and conference papers, publishing in computer science and computer engineering, giving talks in seminars and conferences, and ethical issues in science and engineering. Required for all T.A.s. Enrollment restricted to graduate students.

202. Computer Architecture.

Provides a thorough and fundamental treatment of the art of computer architecture. Topics include concepts of von Neumann architectures, methods of evaluating CPU performance, instruction-set design and examples, compiler issues, instruction pipelining, superscalar processors, methods for reduction of branch penalty, memory hierarchies, I/O systems, floating-point arithmetic, and current issues in parallel processing. Prerequisite(s): course 110. Enrollment restricted to graduate students; undergraduates may enroll if they have completed course 110 and with consent of instructor. Enrollment limited to 30.

222. VLSI Digital System Design.

Introduction to VLSI design and methodology focusing on custom integrated circuits. Topics include CMOS logic design and analysis, clocking methodologies, simulation, RC timing, CAD design tools, and design for testability. Design of sequential and combinational elements. Overview of entire ASIC design flow from C through HDLs, to gates and layout. Intended to familiarize students with design techniques and tools required for full-custom and semi-custom design. Enrollment restricted to graduate students. Undergraduates may enroll with permission of instructor.

240. Introduction to Linear Dynamical Systems.

Introduction to applied linear algebra and linear dynamical systems with applications to circuits, signal processing, communications, and control systems. Topics include the following: Least-squares approximations of over-determined equations and least-norm solutions of underdetermined equations. Symmetric matrices, matrix norm and singular value decomposition. Eigenvalues, left and right eigenvectors, and dynamical interpretation. Matrix exponential, stability, and asymptotic behavior. Multi-input multi-output systems, impulse and step matrices; convolution and transfer matrix descriptions. Control, reachability, state transfer, and least-norm inputs. Observability and least-squares state estimation. Enrollment to graduate students; undergraduates may enroll if they have completed Electrical Engineering 103 and Applied Math and Statistics 147.

252A. Computer Networks.

Issues resulting from organizing communication among autonomous computers. Includes network models and switching techniques; medium access control protocols and local area networks; error control and retransmission strategies; routing algorithms and protocols; congestion control mechanisms and end-to-end protocols; application-level protocols; and application of concepts to wireless and wireline networks, with emphasis on the Internet. Enrollment restricted to graduate students.

258. Unix Networking Internals.

In-depth treatment of the implementation of network protocols in typical open-source Unix systems. Topics include implementation of send and receive functions,

buffer management, interrupt handling, locking, scheduling and timer management. Major implementation project required. Prerequisite(s): course 252A, Computer Science 111. Enrollment restricted to graduate students.

280C. Seminar on Control (2 credits).

Weekly seminar series covering topics of current research in theory and application of control to engineering systems. Current research work and literature in these areas discussed. Enrollment restricted to graduate students; undergraduates may enroll with permission of instructor.

280P. Seminar on Parallel Processing (2 credits).

Weekly seminar series covering topics of current research in parallel systems, architectures, and algorithms. Current research work and literature in these areas are discussed. Enrollment restricted to graduate students. Enrollment limited to 20. May be repeated for credit.

280V. Seminar on Computer Vision (2 credits).

Weekly graduate-level seminar series discussing advanced topics in computer vision and image analysis. Current research and literature presented during each meeting. Enrollment limited to 20. May be repeated for credit.

290V. Advanced Topics in Visual Computing.

Advanced course in image analysis and computer vision. Topics include motion analysis, multiple view geometry, 3D reconstruction, image-based rendering, vision-based graphics, face detection and recognition, tracking, image and video retrieval, and human-computer interface. Enrollment restricted to seniors and graduate students. Enrollment limited to 20.

Computer Science

2. Computer Literacy.

Introduction to how computers work and how to use them. Topics covered include network information systems, text editors, formatting, file and directory system, spreadsheets and databases. Computers as symbol manipulation devices. Introduction to programming concepts and computer languages. Impact of computers on society. Designed for students with little or no experience using computers. Preference is given to students who have not taken other computer engineering or computer science courses. Students cannot receive credit for this course and Computer Engineering 3. (General Education Code(s): IN.)

10. Introduction to Computer Science.

An overview of the theory, foundations, and practice of computer science with emphasis on what computers can and cannot do, now and in the future. Topics include algorithms and data, correctness and efficiency of algorithms, hardware, programming languages, limitations of computation, applications, and social issues. No programming skills are required as a prerequisite. Major concepts and open problems in computer science are presented without reliance on sophisticated mathematical tools. (General Education Code(s): IN.)

12A. Introduction to Programming.

An introductory programming course for computer science and engineering majors where students learn programming and documentation skills, as well as

algorithmic problem solving and programming methodologies. Introduces students to computers, compilers, and editors, and they are expected to write medium-sized programs. Topics include, but are not limited to, procedures and functions, conditionals and loop control structures, static and dynamic memory manipulations, and text processing. Prior experience with Unix helpful, and some prior programming experience strongly recommended (e.g., course 10). This course is required for computer engineering, computer science, electrical engineering, and information systems management majors. Prerequisite(s): eligibility to enroll in Mathematics 19A (Mathematics 2B or 3 or 40 or higher on mathematics placement exam) or Mathematics 19A or 11A or Economics 11A or Applied Math and Statistics 11A. Concurrent enrollment in course 12L required. (General Education Code(s): IN.)

12B. Introduction to Data Structures.

Teaches students to implement common data structures and the algorithms associated with each data structure, through progressively difficult exercises. Topics include big “O” notation; pointers, recursion (induction), and dynamic allocation; linked lists and list processing; stacks, queues, binary trees and binary search trees; simple sorting techniques and simple search techniques. Students will gain a working knowledge of the elements of the Java and C programming languages. Prior experience with Unix is assumed. Prerequisite(s): course 12A. Concurrent enrollment in course 12M required. Enrollment limited to 150. (General Education Code(s): IN.)

12L. Computer Programming Laboratory (2 credits).

Laboratory sequence complementing topics taught in course 12A by providing training and exposure to several software development tools and practices not covered in course 12A. In addition, the lab provides an initial exposure to a second programming language to reinforce concepts from course 12A. Prerequisite(s): eligibility to enroll in Mathematics 19A (Mathematics 2B or 3 or 40 or higher on mathematics placement exam) or completion of Mathematics 11A or 19A or Economics 11A or AMS 11A. Previous or concurrent enrollment in 12L required.

12M. Data Structures Laboratory (2 credits).

Complements course 12B, gaining additional competence with a number of important software development tools, languages, and techniques. Included are advanced Unix features and utilities such as grep, find, diff, the shell, and pipes; C programs utilizing I/O, arrays, pointers, and structures; a scripting language to perform simple text and file manipulation; and the make utility. Prerequisite(s): courses 12A and 12L. Concurrent enrollment in course 12B required.

60G. Beginning Programming: Social Sciences and Humanities.

An introduction to the basic techniques of computer programming. Detailed study of one programming language. Extensive practice using a computer, particularly personal computers, to solve problems. Course 60G is intended for social sciences and humanities students. Students can only receive credit for either 60G or 60N. Students cannot receive credit for course 60G if taken

concurrently with or subsequently to course 12A. (General Education Code(s): IN.)

80V. VRML 3-D Worlds on the Web.

A lecture/laboratory course on virtual reality modeling language (VRML). Describes how to create 3-D worlds on the World Wide Web with VRML. Topics include relationship between HTML and VRML, plug-ins for viewing VRML worlds, navigating through virtual worlds, creating virtual worlds, scripting objects in virtual worlds, and applications of VRML. Introduces students to concepts in 3-D graphics, transformations, and animation. Conducted through a series of lectures, individual/group laboratory exercises, and a final project. Students must know how to use e-mail, read/post to newsgroups, and know one Unix editor. Web knowledge is also useful. Enrollment is limited to laboratory capacity. Students with more senior class standing have priority. Enrollment limited to 80. (General Education Code(s): T2-Natural Sciences.)

101. Algorithms and Abstract Data Types.

Studies basic algorithms and their relationships to common abstract data types. Covers the notions of abstract data types and the distinction between an abstract data type and an implementation of that data type. The complexity analysis of common algorithms using asymptotic (big “O”) notation is emphasized. Topics include sorting and searching techniques, basic graph algorithms, and algorithm design techniques. Abstract data types covered include priority queues, dictionaries, disjoint sets, heaps, balanced trees, and hashing. Familiarity with C, Java, and Unix is assumed. Prerequisite(s): course 12B or 13H, Computer Engineering 16 or 16H, Mathematics 19B, and one course from the following: Mathematics 21, 22, 23A, 24, or Applied Mathematics and Statistics 27. Enrollment restricted to School of Engineering majors.

102. Introduction to Analysis of Algorithms.

Methods for the systematic construction and mathematical analysis of algorithms. Order notation, the RAM model of computation, lower bounds, and recurrence relations are covered. The algorithm design techniques include divide-and-conquer, branch and bound, and dynamic programming. Applications to combinatorial, graph, string, and geometric algorithms. Prerequisite(s): course 101.

104A. Fundamentals of Compiler Design I.

An introduction to the basic techniques used in compiler design. Topics include compiler structure, symbol tables, regular expressions and languages, finite automata, lexical analysis, context-free languages, LL(1), recursive descent, LALR(1), and LR(1) parsing; and attribute grammars as a model of syntax-directed translation. Students use compiler building tools to construct a working compiler. Prerequisite(s): course 101 and Computer Engineering 12 and 12L.

111. Introduction to Operating Systems.

Fundamental principles of operating systems: process synchronization, deadlocks, memory management, resource allocation, scheduling, storage systems, and study of several operating systems. A major programming project will be required. Prerequisite(s): course 101 and Computer Engineering 110.

130. Computational Models.

Various representations for regular languages, context-free grammars, normal forms, parsing, pushdown automata, pumping lemmas, Turing machines, the Church-Turing thesis. Prerequisite(s): course 101.

160. Introduction to Computer Graphics.

Introduces different techniques of modeling, transformation, and rendering to obtain computer generated imagery. Topics include 2D and 3D graphical primitives, line drawings, curves and surface modeling, projections, matrix composition, hidden surface removal, and shading algorithms. Several intensive programming assignments on bit-mapped raster scan displays and a major programming project are required. Prerequisite(s): course 101 and Mathematics 21 or Applied Mathematics and Statistics 27. Concurrent enrollment in course 160L required. Enrollment limited to 35.

160L. Introduction to Computer Graphics Laboratory (2 credits).

Complements course 160, gaining additional competence with a number of important software development tools, graphics libraries, and graphical user interfaces. Included are OpenGL program, utilizing rubberbanding, picking, trackballing, display lists, double buffering, lighting, shading, materials and textures; and FLTK program, utilizing sliders, buttons, and dialog boxes. Prerequisite(s): course 101 and Mathematics 21 or Applied Math 27. Concurrent enrollment in course 160 required. Enrollment restricted to all engineering majors. Enrollment limited to 35.

180. Database Systems I.

Introduction to the concepts, approaches, tools, and methodology of database design. Covers the entity-relationship model, the relational model, relational algebra, relational calculus, commercial languages (such as SQL and QBE), functional dependencies, normal forms, and design theory. Other topics may include knowledge-bases, constraint databases, and alternative database models. (Formerly offered as *Database Systems*.) Prerequisite(s): course 101.

190X. Methods of Cryptography.

Theory and practice of encryption and decryption. Classic ciphers. Shannon’s information-theoretic approach. The DES standard. Finite state machines, linear and nonlinear shift registers. Public key algorithms. PGP. Authentication, key management, network security. Prerequisite(s): Mathematics 19B or calculus equivalent; Mathematics 21 or Applied Math and Statistics 27 or linear algebra equivalent; and Computer Engineering 16 or discrete mathematics equivalent; consult with instructor regarding a course equivalent.

200. Research and Teaching in Computer Science and Engineering (3 credits).

Basic teaching techniques for teaching assistants, including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. The course examines research and professional training, including use of the library and online databases, technical typesetting, writing journal and conference papers, publishing in computer science and computer engineering, giving talks in seminars and

conferences, and ethical issues in science and engineering. Required for all teaching assistants. Enrollment restricted to graduate students.

201. Analysis of Algorithms.

Rigorous analysis of the time and space requirements of important algorithms, including worst case, average case, and amortized analysis. Techniques include order-notation, recurrence relations, information-theoretic lower bounds, adversary arguments. Analysis of the key data structures: trees, hash tables, balanced tree schemes, priority queues, Fibonacci and binomial heaps. Algorithmic paradigms such as divide and conquer, dynamic programming, union-find with path compression, augmenting paths. Selected advanced algorithms. Introduction to NP-completeness. Enrollment restricted to graduate students; undergraduate students may enroll in this course if they have completed either course 102 or Computer Engineering 177 and have the consent of the instructor.

203. Programming Languages.

Covers current issues in programming languages. Language topics include object oriented, concurrent, functional, and logic programming, and other programmable applications such as symbolic manipulators and simulation. Enrollment restricted to graduate students; undergraduate students may enroll for this course if they have completed course 112 and have the consent of the instructor.

221. Advanced Operating Systems.

A detailed study of the issues involved in operating systems design and implementation. Readings cover current research topics and systems of historical significance. Topics include (but are not restricted to) process and memory management, protection, security, synchronization, performance evaluation, file systems, distributed systems. Enrollment restricted to graduate students; undergraduates by interview only.

242. Machine Learning.

Introduction to machine learning algorithms. Covers learning models from fields of statistical decision theory and pattern recognition, artificial intelligence, and theoretical computer science. Topics include classification learning and the Probably Approximately Correct (PAC) learning framework, density estimation and Bayesian learning, EM, regression, and online learning. Provides an introduction to standard learning methods such as neural networks, decision trees, boosting, nearest neighbor, and support vector machines. Requirements include one major experimental learning project or theoretical paper. Enrollment restricted to graduate students. Enrollment limited to 30.

277. Database Systems I.

Advanced course on principles of database systems. Main topics include overview of the relational data model and relational query languages; recursive queries, datalog, and fixed-points; query processing and optimization; database design, dependencies, normal forms, and the chase procedure. Additional topics may include information integration, complex objects, semistructured data, and XML. (Formerly *Database Systems*.) Prerequisite(s): course 180 (or equivalent) or consent of instructor. Enrollment restricted to gradu-

ate students. Enrollment limited to 20. Offered in alternate academic years.

290B. Advanced Topics in Computer Graphics.

A graduate seminar in computer graphics on topics from recently published research journal articles and conference proceedings. Topics vary from year to year depending on interests of students. Primary areas of interest are likely to be scientific visualization, modeling, rendering, scattered data techniques, wavelets, and color and vision models. Students read technical papers and present class lectures. Guest lectures supplement the student presentations. A research project is required. Enrollment limited to 15.

Digital Arts and New Media

201. Digital Arts and New Media: History.

Focuses on history of visual, aural, kinetic, and computational media and technologies central to the field of digital arts/new media today. Explores how digital and new media art has critically engaged with this history. Enrollment restricted to graduate students.

204A. Digital Arts and New Media: Colloquium Series (2 credits).

Weekly colloquia include presentations by invited outside guests, by UCSC faculty in DANM and in related fields, and by advanced students preparing thesis projects. Enrollment restricted to graduate students. May be repeated for credit.

217. Concepts in Electronic Art.

Study of concepts developed in contemporary conceptual art practice and their application to technological media. Review a broad spectrum of electronic art—the Internet, digital video, interactive systems, kinetics and robotics, biotechnological work—that hold conceptual art practice in the foreground. Use concepts cultivated by early conceptual artists and apply them to individual projects using electronic media. Enrollment restricted to graduate students. Enrollment limited to 17.

219. Introduction to Electronics for Artmaking.

Intensive introduction to electronic devices for use in artmaking. Provides hands-on experience working with sensors, motors, switches, gears, lights, simple circuits, microprocessors, and hardware-store devices to create kinetic and interactive works of art. Students produce sculptural or installation-based projects. Provides demonstrations, lectures, and critical discussion of work to develop concepts and technical skills. Presents history and theories of electronic art in lectures. Students required to have basic programming skills. Students are billed for a materials fee. Enrollment restricted to graduate students.

224. Cognitive Approaches to Music, Theater, and Film.

Overview of theories of cognition applied to perception and cognition of music, theater, film and other arts similarly distributed in time. Concentrates on principles of time, memory, invariance, rhythm, and form. Begins with basic debates in field of human information processing, including role of attention, perception, various types of memory, semiotics, and social identity followed with critical survey of empirical approaches to cognition in the arts. Explore and apply principles of

cognition in relation to analytical or creative project of choice. (Also offered as Music 224. Students cannot receive credit for both courses.) Prerequisite(s): course 201 and 202 or permission of instructor. Enrollment restricted to graduate students. Enrollment limited to 17. B. Carson

225. Theater, Drama, and the Pixar Feature.

Viewing of the Pixar Animation Studios canon combined with lectures on the major art history movements within discipline of theater history and its attendant dramatic literature: The Marxist Epic: A Bug's Life and the Backstage Musical; Shakespeare's Comedic Weltanschauung: Finding Nemo; Postmodern Criticism: Toy Story; French Romanticism and the Hugo Hero: Monsters, Inc.; Alger, Albee, and The Incredibles' American Dream. Enrollment restricted to graduate students. Enrollment limited to 17.

250B. Project Group in Digital Arts and New Media.

A three-quarter project group, starting in spring of first year of study and continuing through winter of second year of study for first-year students; or starting at other times during year for second-year students. Students collaborate to develop projects and thesis ideas. Examples include music and robotics, morphing, networks and systems, interactive game design, privacy and identity, and interactivity and performance. Enrollment restricted to graduate students. May be repeated for credit.

Earth Sciences

1. Oceanography.

An introduction to the physical environment of the ocean. Origin and evolution of ocean basins; sea-floor morphology; origin, distribution, historical record, and economic significance of marine sediments; ocean currents, waves, tides, and changing sea level; beaches, shorelines, and coastal processes; marine resources, pollution, and human impacts on the oceans. Students may also enroll in and receive credit for Ocean Sciences 1. Laboratory/discussion-1.5 hours. (General Education Code(s): IN, Q.)

20. Environmental Geology.

Introduction to aspects of geology which affect and are affected by humans. Addresses a broad range of topics including resource management, geologic hazards, air and water issues, population and land use, energy costs and effectiveness, and global change, all from a unique geological/environmental perspective. Lectures include strategies for mitigating these issues. Includes a one-day field trip. Concurrent enrollment in 20L required for majors and minors. (General Education Code(s): IN.)

20L. Environmental Geology Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 20, with emphasis on rock and mineral identification, geologic hazard assessment, geologic resource management, and land use planning. In-lab field trip. Laboratory 3 hours. Students are billed a materials fee.

80A. Earth Catastrophes.

The role of catastrophic processes in shaping Earth and the environment in which we live. The physical processes causing earthquakes, volcanic eruptions, tsunamis, floods, windstorms, landslides, and meteorite im-

pacts will be described, along with the role played by these rapid processes in the geological and biological evolution of the planet. Interdisciplinary approaches to understanding these phenomena will be discussed. The entire time scale from formation of the universe to the present Earth system will be considered. Will be offered in the 2006–07 academic year. (General Education Code(s): T2-Natural Sciences, Q.)

102. Marine Geology.

Geology of the marine environment. Topics include controls on the types, origin, and distribution of marine sediments; geology of oceanic crust; evolution of continental margins and plate boundaries; introduction to paleoceanography. Discussion: 1 hour. Students cannot receive credit for this course and Ocean Sciences 280. Will be offered in the 2006–07 academic year. Prerequisite(s): course 5 or 10 or 20 or Biology 20C.

104. Geologic Hazards.

The recognition, evaluation, and mitigation of geologic hazards: earthquakes and faulting, tsunamis, volcanism, landslides and mass movements, flooding, subsidence, and coastal erosion. Students are billed a materials fee. Prerequisite(s): course 10/L or 5/L or 20/L. Offered in alternate academic years. S. Schwartz

109. Elements of Field Geology.

Basic tools and techniques used in geologic fieldwork. Preparation, analysis, and interpretation of geologic maps. Nine days of weekend field trips required, including a six-day geologic mapping exercise. Laboratory: 2 hours. Recommended for courses 120, 130, 150, and required for 188A-B. May not be taken concurrently with course 120. Students are billed a materials fee. Prerequisite(s): course 10 or 5 or 20, and 10L or 5L or 20L. Concurrent enrollment in 109L is required. Enrollment limited to 25.

109L. Field Geology Laboratory (2 credits).

Laboratory exercises essential to the successful completion of fieldwork required in course 109. Topics include topographic maps, Brunton compass, rock identification and description, structure sections, and landslide recognition. Concurrent enrollment in course 109 required. Enrollment limited to 25.

110A. Evolution of the Earth.

Investigation of the processes and mechanisms that have produced the present Earth system, with an emphasis on the temporal evolution of the earth from the Archean to the present. Specific topics covered include cyclicity in Earth processes and the evolution of, and interplay between the planet's crust, atmosphere, hydrosphere, and biosphere. Prerequisite(s): courses 5 or 10 or 20, and 5L or 10L or 20L, and Mathematics 11A or 19A.

110L. Evolution of the Earth Laboratory (2 credits).

Laboratory sequence illustrating topics covered in course 110A. Emphasis is on quantifying and evaluating different phenomena related to thermal, tectonic, climatic, and evolutionary processes. Prerequisite(s): concurrent enrollment in course 110A.

111. Mathematics in the Earth Sciences.

Series and sequences, vectors, 3D analytic geometry, partial differentiation, matrix algebra, and differential equations with applications in the Earth sciences. Topics include matrix manipulation, systems of linear equa-

tions, least-squares, Taylor series, gradients, optimization, analytic and numerical solutions to differential equations. Prerequisite(s): courses 5 or 10 or 20 and Mathematics 11B or 19B. (General Education Code(s): Q.)

148. Glaciology.

Introduction to the role of snow and ice in the dynamics of the earth surface system. Snow deposition and metamorphosis. Heat and mass balance at snow and ice surfaces. Flow of glaciers, ice sheets, and sea ice. Methods of climate reconstruction. Ice age theories. Prerequisite(s): courses 5 or 10 or 20; Mathematics 11A or 19A. Offered in alternate academic years.

165. Formation of the Solar System.

Physics and chemistry of planetary accretion and the early morphological and dynamical evolution of the solar system. Meteorites and the nebula; impacts large and small; formation of cores and lithospheres; atmospheric evolution and loss; resonances and planet migration; satellites, asteroids, and comets. Prerequisite(s): Mathematics 11B or 19B; and Physics 5A or 6A. Offered in alternate academic years.

190. Earth Sciences Mentorship (1 credit).

Faculty research activity, analytic facilities, and career counseling in three separate Earth sciences laboratories are offered with varied formats including field trips, discussions, and equipment demonstrations. Three different faculty participate in each offering. Enrollment restricted to majors in Earth sciences and Earth sciences/environmental studies and Earth sciences/anthropology combined majors. Enrollment limited to 24. May be repeated for credit.

196A. Introductory Teaching Seminar (2 credits).

Training for undergraduates in practical teaching skills. Focus on preparation, assessment, and feedback. Classroom techniques, organizational and time management strategies, practice teaching sessions. Students cannot receive credit for this course and course 203. Future participation in 196B is encouraged. Course may not be counted toward upper-division major requirements. Enrollment restricted to Earth sciences majors.

203. Introductory Teaching Seminar (3 credits).

Intended for new Earth sciences graduate students. Focus on preparation, assessment, and feedback. Classroom techniques, organizational and time management strategies, practice teaching sessions specific to laboratory and/or science instruction. Required follow-up meetings to discuss practical teaching experience. Students cannot receive credit for this course and course 196A. Enrollment restricted to graduate students.

205. Introductory Graduate Seminar.

Each week a different faculty member conducts a seminar or a field trip concerned with one of his or her specialties. Students will write weekly abstracts and select one of these topics for a major written report. Two weekend field trips. Students are billed a materials fee. Enrollment restricted to Earth sciences graduate students.

290F. Topics in Coastal Processes (2 credits).

Instructor and students lead discussions and make presentations on current research, problems, and publications in coastal processes. These topics include littoral

drift, sediment transport and storage on the inner shelf, shoreline erosion/change and its documentation, and related issues. Enrollment restricted to graduate students. May be repeated for credit.

290G. Topics in Global Tectonics.

Explores different problems of special interest in global tectonics with the approach of integrating marine and terrestrial geologic and geophysical information. Course designed for graduate students but available to qualified Earth sciences majors. May be repeated for credit.

290H. Topics in Hydrogeology.

Selected topics in groundwater, hydrothermal systems, and related subjects. Discussion of theoretical models, field and laboratory approaches, and recent research. Topics vary from year to year. Course designed for graduate students but available to qualified Earth sciences majors. May be repeated for credit.

292. Seminar (no credit).

Weekly seminar attended by faculty, graduate students, and upper-division undergraduate students. May be repeated for credit.

Economics

1. Introductory Microeconomics: Resource Allocation and Market Structure.

For all interested students as well as prospective economics majors. Examines how markets allocate resources in different kinds of economies. Topics include competitive markets, monopoly, financial markets, income distribution, market failures, the environment, and the role of government. (General Education Code(s): IS.)

2. Introductory Macroeconomics: Aggregate Economic Activity.

For all interested students and prospective economics majors. Examines how the overall level of national economic activity is determined, including output, employment, and inflation. Explores the roles of monetary and fiscal policies in stabilizing the economy and promoting growth, with a focus on contemporary policy debates. (General Education Code(s): IS.)

10A. Economics of Accounting.

Introduction to accounting principles and practice; preparation and analysis of financial statements; study of internal control procedures. Courses 10A and 10B satisfy the Accounting 1A-B requirement at UC Berkeley.

11A. Mathematical Methods for Economists.

An introduction to mathematical tools and reasoning, with applications to economics. Topics are drawn from precalculus and calculus and include functions and graphs, techniques of differentiation, relative extrema, logarithms and exponents, and differentials. Students who have already taken Mathematics 11A and 19A should not take this course. (Also offered as Applied Math and Statistics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 31 or higher on Math Placement Exam. Students who do not place into precalculus should enroll in Mathematics 1. (General Education Code(s): Q.)

11B. Mathematical Methods for Economists.

Mathematical tools and reasoning, with applications to economics. Topics are drawn from integral calculus, multivariable calculus, and linear algebra and include

definite integrals, partial derivatives, Lagrange multipliers, matrix algebra, and solving systems of linear equations. (Also offered as Applied Math and Statistics 11B. Students cannot receive credit for both courses.) Prerequisite(s): course 11A or Applied Mathematics and Statistics 11A. (General Education Code(s): Q.)

80A. The Theory, Hope, and Crisis of Capitalism.

Assessment of modern-day capitalism from the three major economic paradigms—liberal, conservative, radical. Theories of Smith, Marx, and Keynes are explored in contemporary writing, with focus on the U.S. from WW II to present. Students cannot receive credit for this course and course 189. (General Education Code(s): T3-Social Sciences.)

100A. Intermediate Microeconomics.

Covers major theoretical issues arising in the study of resource allocation, the function of markets, consumer behavior, and the determination of price, output, and profits in competitive, monopolistic, and oligopolistic market structures. Also considers issues of welfare and public policy. Prerequisite(s): courses 1, 2 and 11A or Applied Mathematics and Statistics 11A or Mathematics 11A or 19A; Course 11B is strongly recommended.

100B. Intermediate Macroeconomics.

Covers major theoretical issues arising in the study of income, employment, interest rates, and the price level. Examines the role of monetary and fiscal policy in economic stabilization. Also considers these issues as they relate to the global economy. Prerequisite(s): courses 1, 2, and 11A or Applied Mathematics and Statistics 11A or Mathematics 11A or 19A.

106. Evolutionary Thought in the Social Sciences.

Emphasizes class discussion and term papers for social science, philosophy, and biology majors. Covers the development and recent trends of evolutionary thought in biology and social sciences including social Darwinism, sociobiology, evolutionary psychology, and evolutionary game theory. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. (General Education Code(s): W.)

107. Economic Justice.

Theories of justice, equity, and rights in economics and their applications to such issues as wages, taxation, property rights, welfare programs, and globalization. Students get extensive practice in writing persuasive, argumentative essays. Prerequisite(s): course 1, satisfaction of the Entry Level Writing and Composition requirements. (General Education Code(s): W.)

111A. Intermediate Accounting I.

Principles, control, and theory of accounting for assets; accounting as an information system; measurement and determination of income. Projects involving spreadsheet software required. Prerequisite(s): course 10B.

113. Introduction to Econometrics.

Practical methods for organizing and analyzing economic data, testing economic hypotheses, and measuring economic relationships. Regression analysis is the main empirical method, and basic statistical and probability theory is included. Students gain hands-on computer experience with an econometric software package. Students cannot receive credit for this course and Engineering 113. Prerequisite(s): courses 1, 2, and ei-

ther course 11B or Mathematics 22. Courses 100A or 100B strongly recommended as preparation. (General Education Code(s): Q.)

118. Fraud Examination.

Covers the principles and methodology of fraud detection and deterrence. Includes topics such as skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, and interviewing witnesses. Prerequisite(s): course 10B.

120. Economic Development.

A comparative approach to the study of the economic development of low-income countries. Various obstacles to growth are identified, and different types of solutions are analyzed. Prerequisite(s): courses 1 and 2. (General Education Code(s): E.)

125. Economic History of the U.S.

The development of the American economy from colonial times to the present, with emphasis on the interaction between institutional structure and economic development. Topics include the economics of slavery, the rise of big business, and the causes of the Great Depression. Prerequisite(s): courses 1 and 2. Related course work in history also helpful.

131. International Financial Markets.

International financial management analyzes the key financial markets and instruments that facilitate trade and investment activity on a global scale. Inquiry spans two areas: (1) economic determinants of prices in international financial markets; and (2) decisions facing private individuals and enterprises, with topics including capital financing, investment, and risk management. Prerequisite(s): courses 100A and 100B.

133. Security Markets and Financial Institutions.

An examination of all major financial markets: equities, bonds, options, forwards, and futures. Uses modern financial theory, including asset pricing models such as CAPM and APT. Prerequisite(s): courses 100A and 113.

136. Business Strategy.

The strategic management process, techniques for analyzing single-business and diversified companies, implementing strategy, organization, business planning, financial strategy, competitive analysis, entrepreneurial skills. Prerequisite(s): courses 10A and 100A.

136L. Laboratory Business Strategy (2 credits).

Laboratory sequence discussing business simulation game associated with course 136. One three-hour session in microcomputer lab. Prerequisite(s): concurrent enrollment in course 136.

138. The Economics and Management of Technology and Innovation.

Examines the analytics of issues in technology and innovation, including cooperation in research and development (R&D), standardization and compatibility, patents and intellectual property rights, and strategic management, using economic models and firm case studies. Prerequisite(s): course 100A or permission of instructor.

140. International Trade.

The theory of international production and trade. The effects of tariffs and quantitative trade restrictions; the nature of economic integration; multinational firms; effects of trade and protection on economic stability and welfare. Prerequisite(s): course 100A.

150. Public Finance.

Economics of taxation, including incidence, equity issues, efficiency, and supply side effects. Close attention to taxes in the U.S. system and tax-reform issues. Prerequisite(s): courses 100A and 100B.

162. Legal Environment of Business.

A study of law and the legal process, emphasizing the nature and function of law within the U.S. federal system. Attention is given to the legal problems pertaining to contracts and related topics, business association, and the impact of law on business enterprise. (Also offered as Legal Studies 162. Students cannot receive credit for both courses.) Prerequisite(s): course 100A.

164. Economics and the Telecommunications Industry.

Covers the economics of the telecommunications industry including telephone, cellular telephone, and data communications. Particular emphasis on the Internet, satellite, paging, cable television, radio and television broadcasting. Examines the industry structure and implications of moving from a regulated environment to competition. Topics examined from a competitive strategic standpoint as well as public policy perspective. Prerequisite(s): courses 100A and 113.

175. Energy Economics.

Applications of micro, welfare, and international economic theory and methodology to the energy field. Questions considered include optimal allocation of natural resources; pricing and investment; regulations and taxes; import and export control; redistributive policies. Prerequisite(s): course 100A.

186. Mathematical Methods for Economic Analysis.

Presents mathematical methods commonly used in graduate-level economic analysis: basic matrix algebra, real analysis, functions, continuity concepts, differentiation, Taylor expansions, and implicit function theorem and optimization. Prerequisite(s): interview only: admitted to M.S. or Pathway Programs.

189. Political Economy of Capitalism.

An assessment of modern day capitalism from the three major economics paradigms—liberal, conservative, radical. Theories of Smith, Marx, and Keynes are explored in contemporary writing, with focus on the U.S. from WW II to present. Students cannot receive credit for this course and course 80A. Prerequisite(s): courses 1 and 2; courses 100A and 100B are recommended as preparation.

200. Microeconomic Analysis.

Survey of partial equilibrium analysis, market distortions, consumer choice and production and trade theory, perfect and imperfect competition, price discrimination, and intertemporal choice theory.

204A. Advanced Microeconomic Theory.

Economic theory of individual and market behavior, including constrained optimization, duality, theory of the consumer, theory of the producer, dynamic opti-

mization, behavior under uncertainty, intertemporal choice, asymmetric information, game theory, partial and general equilibrium, pure and applied welfare economics, public goods and externalities. Illustrative examples emphasize international applications. Courses must be taken in sequence.

205A. Advanced Macroeconomic Theory.

Modern macroeconomic theory: determination of national income; employment, inflation, and exchange rates; theories of growth and business cycle fluctuations; international transmission of inflation and other disturbances; recent developments in the analysis of macroeconomic policy; modern theoretical and empirical analysis of aggregate relationships. Courses must be taken in sequence.

209A. Accounting I.

Principles, control, and theory of accounting for assets; accounting as an information system; measurement and determination of income. M.S. level projects required. Enrollment restricted to graduate students.

210B. Mathematical Methods for Economic Analysis.

A course in introductory mathematical economics which covers standard optimization problems, difference and differential equations, optimal control theory, decisions under uncertainty, game theory, and stochastic calculus. Course 210A or equivalent is strongly recommended as preparation.

211C. Topics in Empirical Research.

A topic course in econometrics designed for graduate students interested in quantitative analysis. Selected topics, including standard and recently developed econometric techniques, are critically and thoroughly discussed. In addition to methodology, focuses on exploring the research potential and applications of advanced econometric techniques. Courses 211A and 211B are strongly recommended as preparation.

216. Applied Econometric Analysis I.

The use of statistical techniques for the testing of economic hypotheses and the estimation of parameters, with emphasis on regression analysis. Includes methods of dealing with serial correlation, errors in variables, multicollinearity, and heteroscedasticity. Experience with common statistical packages.

220A. Development Economics: Theory and Cases.

Surveys traditional development economics and the neo-classical resurgence in development theory. Topics include sources of growth, income distribution, population and human capital development, savings, fiscal and monetary mobilization and allocation, foreign investment and aid, and macroeconomic policies. Case study focus in the second quarter. Courses 204A and 205A are strongly recommended as preparation.

235. Corporate Finance.

Application of modern financial theory to corporate decision making. Topics covered include capital budgeting and the firm's investment decision, capital structure, dividend policies, and the implications of corporate governance for enterprise financial goals. Prerequisite(s): course 233.

240A. Advanced International Trade Theory I.

The theory of international trade and commercial policy.

Both traditional analyses and recent developments are covered. Topics include both normative and positive theoretical analyses, as well as empirical testing of theory. Enrollment restricted to graduate students. Courses 204A-B-C are strongly recommended as preparation.

241A. Advanced International Finance I.

Financial aspects of aggregate capital and trade flows and income determination in open economies. Specific topics include financial risk in the international setting, international borrowing and lending, money and exchange rate regimes, income determination and macroeconomic policy, current issues in international monetary reform.

250. Advanced Public Finance.

Theory of the role of public sector expenditures and taxes in market economies. Analyzes efficiency and equity arguments for government intervention. Topics include the role of public debt and deficits in economies, international effects of tax and spending policies, and economic theories of public sector decision making. Courses 204A and 205A are strongly recommended as preparation.

294A. Applied Economics Laboratory (2 credits).

Practical experience in managing computerized data sets and running statistical packages. Covers SAS, RATS, TSP, Bridge Equity System, LIMDEP, GAUSS, and MAPLE programs; and internet, IFS, OECD, and SPIRS EconLit databases. May be repeated for credit.

296A. Third Year Ph.D. Seminar.

Student presentations of literature and/or original research in areas of student research interest. Student discussion of presentations under faculty supervision. Prerequisite(s): courses 204C, 205C, 211B, 240A, 240B, 241A, and 241B are required preparation.

Education

92B. Introduction to Theories of Education.

A general survey of theories and partial theories of education organized into three recurrent topics: teaching and learning, schooling, and education in society. Each is considered in terms of the partial theories of James, Dewey, and Skinner; cognitive constructivism, particularly the theories of cognitive science; and, finally, an integrated sociocultural theory of education. (General Education Code(s): IS.)

115. K-12 Student Assessment.

Provides an overview of educational testing. Appropriate use and interpretation of standardized, classroom achievement and special needs assessments are examined. Issues on fair testing of diverse populations of students are discussed within each topic area. Prerequisite(s): courses 80, 92A, and 92B, or permission of instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 50.

160. Issues in Educational Reform.

Explores a variety of perspectives on key educational policy issues including desegregation, bilingual education, affirmative action, charter schools, national and state curriculum standards, student assessment and the assessment and certification of teachers. Enrollment limited to 100.

180. Introduction to Teaching.

Designed to encourage students to think about teaching in new ways. Assumptions about teaching and schooling are examined as well as considering what it takes to teach so that children learn and understand. Not a course in how to teach, but an opportunity to reconsider what teaching should try to accomplish and what kinds of learning teachers should foster. Practicum in the schools of 30 hours per quarter required. (Formerly course 80.) Prerequisite(s): courses 92A, 92B, and 92C. Enrollment restricted to juniors and seniors. Enrollment limited to 120.

181. Race, Class, and Culture in Education.

Examines the schooling experience and educational attainment of racial/ethnic minority students in the U.S. Focuses primarily on domestic minorities. Addresses issues of variability between and within minority groups and the role of cultural, structural, and psychological factors in the educational attainment of these students. (General Education Code(s): E.)

200A. Introduction to Educational Inquiry.

Addresses foundational knowledge needed to understand and conduct educational inquiry and research. Topics include epistemology in the human sciences, philosophical foundations of modern research strategies, and general classes of research investigations in education. Enrollment restricted to education graduate students. Enrollment limited to 15.

203. Applied Classroom Analysis and Methods: Beginning Student Teaching.

A required course that introduces students to the diverse cultural and linguistic settings of today's classrooms. Classroom practices, instructional strategies, and analysis are emphasized. First course in the student teaching placement series. Placements are used to examine and apply teaching methods while developing classroom management skills. Class meetings include discussion and demonstration of teaching methods. Enrollment limited to 50.

211A. Reading and Language Arts for Elementary Classrooms.

This course provides both a theoretical and practical foundation for literacy instruction, emphasizing reading and language arts instruction in grades K-8. Interactive instruction and field experience will be used to examine curricula, methods, materials, and literacy evaluation. Enrollment restricted to graduate students. Enrollment limited to 30.

212B. Science Education: Research and Practice.

Examines theoretical approaches to the learning and teaching of science including the nature of scientific knowledge, theories of how children learn science, approaches to scientific discourse, and perspectives on addressing diversity in science classrooms. Course is required for single subjects science credential. Enrollment restricted to program enrollees. Enrollment limited to 50.

213A. Mathematics Learning and Teaching in Elementary Classrooms.

This course is required for the multiple subject credential. Examines constructivist and sociocultural approaches to the learning and teaching of mathematics in elementary classrooms, including the nature of math-

ematics and theories of how children learn mathematics. Provides an introduction to mathematics teaching standards and a critical overview of curricula, instructional theories, and multiple approaches to teaching the "big ideas" in elementary mathematics. Enrollment restricted to graduate students admitted to the credential program. Enrollment limited to 50.

213B. Math Education: Research and Practice. Examines theoretical approaches to the learning and teaching of mathematics. Topics include the nature of mathematical knowledge, theories of how children learn mathematics, approaches to mathematical discourse, and perspectives on addressing diversity in mathematics classrooms. Course is required for secondary mathematics credential. Enrollment restricted to graduate students admitted to the credential program. Enrollment limited to 50.

214A. English Teaching: Theory and Curriculum.

Required for the single subject English credential student. Examines sociocultural approaches to the learning and teaching of English in secondary classrooms, including theories of how children learn English language, literature, and composition. Enrollment restricted to education graduate students.

215A. Social Science: Theory and Curriculum.

Required for the single subject social science credential student. Tracks both the implicit and explicit connections between theory and practice, illustrating that theory suggests best practice while practice informs theory-formation and testing. Enrollment restricted to education graduate students.

253. Methods of English Language Development.

This course will help future educators develop a practical theory for teaching English in the elementary and secondary schools to students who speak other languages. Topics include current trends in the field, language assessment, and the design of instructional units. Enrollment restricted to program enrollees. Enrollment limited to 30. The Staff

261. Thinking, Learning, and Teaching.

Examines multiple theoretical perspectives on thinking, learning, and teaching; the development of the whole person in a variety of cultural contexts; the roles thinking, learning, and teaching play in that development; and how researchers' and educators' conceptions shape instruction. Enrollment restricted to education graduate students. Enrollment limited to 15.

265B. Topics in Elementary Education: Teaching Special Populations (2 credits).

Addresses the preparation of teachers for meeting needs of special populations within the general education setting. Covers basic knowledge, skills, and strategies. Enrollment restricted to graduate students. Enrollment limited to 50.

266B. Sociolinguistics in Education.

Investigates discipline of sociolinguistics and explores actual ways in which sociolinguistics has become a useful lens for better understanding teaching, learning, and schooling. Conduct own sociolinguistic analyses of data collected for culminating project. Enrollment restricted to graduate students. Enrollment limited to 15.

268C. CHAT and Educational Practice and Research. F

Introduction to cultural-historical activity theory (CHAT) based on work of Vygotsky, Bakhtin, and contemporary developments of their ideas. Explores the utility of CHAT as a framework for thinking about educational practice and research. Enrollment restricted to graduate students. Enrollment limited to 15. C. Wells

269A. First-Year Doctoral Proseminar (2 credits).

This three-quarter seminar supports professional development for first-year doctoral students. Students develop essential skills for success as scholars, discuss issues in educational research and practice, and are introduced to research by Education Department faculty. Enrollment restricted to graduate students. Enrollment limited to 15.

270A. Second-Year Professional Development Seminar (2 credits).

Three-quarter seminar supports professional development for second-year doctoral students. Activities include preparation of research and conference proposals, presentation of second-year project findings, and attendance at department colloquia. Enrollment restricted to second-year Ph.D. students. Enrollment limited to 12.

284A. Advanced Student Teaching.

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter of full-time, supervised student teaching. Enrollment restricted to education graduate students.

284B. Advanced Student Teaching.

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter of full-time, supervised student teaching. Enrollment restricted to education graduate students.

284C. Advanced Student Teaching.

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter of full-time, supervised student teaching. Enrollment restricted to education graduate students.

295. Portfolio Development (2 credits).

Provides student and faculty adviser with time to confer over the completion of the required portfolio. (Formerly course 285.) Enrollment restricted to graduate students.

Electrical Engineering

70. Introduction to Electronic Circuits.

Introduction to the physical basis and mathematical models of electrical components and circuits. Topics include circuit theorems, constant and sinusoidal inputs, natural and forced response of linear circuits. Introduction to circuit/network design, maximum power transfer, analog filters, and system compensation. Topics in elementary electronics: devices, linear models, amplifiers, feedback. Nonlinear elements and devices

also introduced. Prerequisite(s): Physics 5C/N or 6C/N, and Mathematics 24 or Applied Mathematics and Statistics 27. Students must enroll concurrently in course 70L.

70L. Introduction to Electronic Circuits Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 70. One two-hour laboratory session per week. Students are billed for a materials fee. Prerequisite(s): Physics 5C/N or 6C/N, and Mathematics 24 or Applied Mathematics and Statistics 27. Students must enroll concurrently in course 70.

103. Signals and Systems.

The course covers the following topics: characterization and analysis of continuous-time signals and linear systems, time domain analysis using convolution, frequency domain analysis using the Fourier series and the Fourier transform, the Laplace transform, transfer functions and block diagrams, continuous-time filters, sampling of continuous time signals, examples of applications to communications and control systems. Prerequisite(s): courses 70 and 70L.

123A. Engineering Design Project I (3 credits).

First of a two-course sequence that is culmination of the engineering program. Students apply knowledge and skills gained in elective track to complete a major design project. Students complete research, specification, planning, and procurement for a substantial project. Includes technical discussions, design reviews, and formal presentations; engineering design cycle, engineering teams, and professional practices. Formal technical specification of the approved project is presented to faculty. Prerequisite(s): course 171 or computer engineering 121; previous or concurrent enrollment in computer engineering 185; must have passed core exam if computer engineering major; permission of department and instructor. Students are billed a materials fee. (Also offered as Computer Engineering 123A. Students cannot receive credit for both courses.)

145. Properties of Materials.

The fundamental electrical, optical, and magnetic properties of materials, with emphasis on semiconductors: chemical bonds, crystal structures, energy bands. Electrical and thermal conduction. Optical and magnetic properties. Prerequisite(s): Physics 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N. Students must also concurrently enroll in course 145L.

145L. Properties of Materials Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 145. One two-hour laboratory per week. Students are billed for a materials fee. Prerequisite(s): Physics 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N. Students must also concurrently enroll in course 145.

221. Advanced Analog Integrated Circuits.

Analog integrated circuit design with emphasis on fundamentals of designing linear circuits using CMOS. Covers MOS devices and device modeling, current mirrors, op-amp design, op-amp compensation, comparators, multipliers, voltage references, sample-and-holds, and noise; and introduction to more complicated systems using these building blocks, such as phase locked loops and analog-to-digital converters. If time permits,

integrated circuit layout issues and device/circuit fabrication. Prerequisite(s): course 171 or equivalent and course 178 or equivalent. Enrollment limited to 20.

233. Fiber Optics and Integrated Optics.

Concepts and analysis of optical wave propagation in optical fibers and waveguides. Topics include geometrical optics description and electromagnetic theory of slab waveguides; modes, dispersion, and birefringence in optical fibers; mode coupling and gratings in fibers; wavelength-division multiplexing; nonlinear optics in fibers and solitons; semiconductor optical amplifiers and Er doped fiber amplifiers. Prerequisite(s): courses 135 and 145.

250. Digital Signal Processing.

Covers sampling continuous time signals, sample rate conversion, the Z Transform, frequency domain characterization of filters, filter structures, finite precision effects, FIR and IIR filter design techniques, the Discrete Fourier Transform, the Fast Fourier Transform and its relatives, multirate processing, applications to communications systems, speech processing, and radar systems. Prerequisite(s): course 153.

252. Wireless Mobile Communications.

Wireless cellular, digital mobile, and personal communications systems (PCS); radio propagation, digital modulation, and error control; access methods: spread spectrum, FDMA and TDMA; antenna diversity, multi-input multi-output systems. Prerequisite(s): course 251.

Environmental Studies

24. General Ecology.

Covers principles of ecology including limits to species abundances, evolutionary ecology, population dynamics, community interactions and patterns, and ecosystem patterns and dynamics. (General Education Code(s): IN.)

80B. The Ecological Forecast for Global Warming.

A broad overview of the impacts of human activities on the global climate system. Topics include how climate affects the distribution of ecosystems, the influence of global climate change on biodiversity, ecosystem function, and consequences for the human enterprise. (General Education Code(s): T7-Natural Sciences or Social Sciences.)

91F. Community and Agroecology (2 credits).

Interdisciplinary two-unit seminar designed to introduce students to concepts of community and agroecology in the context of sustainability. Specific topics and readings change each quarter. Enrollment limited to 25. May be repeated for credit.

100. Ecology and Society.

Introduction to environmental issues in an interdisciplinary matrix. Focuses on three issues at the intersection of ecological questions and social institutions: agroecology and sustainable agriculture; population growth, economic growth, and environmental degradation; and biodiversity conservation and land management. Reviews the important roles of disciplinary abstraction and of the application of that knowledge to context-dependent explanation of environmental problems. Prerequisite(s): course 23 or Chemistry 1A or 1B or 15 on Chemistry Placement Exam; course 24 or Bi-

ology 20C; course 25; and Applied Mathematics and Statistics 5 or 7. Concurrent enrollment in 100L is required.

100L. Ecology and Society Writing Laboratory (2 credits).

Required writing lab accompanying course 100. Students are introduced to writing in different styles and for different audiences typical of the ecosystem-society interface. Course 100 writing assignments are developed, written, and revised in conjunction with the lab. W credit is granted only upon successful completion of course 100. Prerequisite(s): course 23 or Chemistry 1A or 1B or 15 on Chemistry Placement Exam; course 24 or Biology 20C; course 25; and Applied Mathematics and Statistics 5 or 7. Satisfaction of the Entry Level Writing and Composition requirements. Enrollment limited to 20. (General Education Code(s): W.) S. Rabkin, D. Kelso, E. Zavaleta

115A. Geographic Information Systems and Environmental Applications.

Introduction to geographic information systems (GIS) as the technology of processing spatial data, including input, storage and retrieval; manipulation and analysis; reporting and interpretation. Emphasizes GIS as a decision support system for environmental and social problem solving, using basic model building, experimental design, and database management. Prerequisite(s): Engineering 5 or 7. Enrollment restricted to environmental studies majors and students majoring in the combined majors. Course 115L is required. A course in computer science, Earth sciences, mathematics, or geography is recommended. Enrollment limited to 40.

115L. Exercises in Geographic Information Systems (2 credits).

Exercises in Geographic Information Systems and Remote Sensing that demonstrate the development of digital geographic data. Students gain hands-on experience with developing datasets, using imagery to create GIS layers, performing spatial analysis, and utilizing GPS technology. Emphasis placed on environmental applications. Enrollment restricted to environmental studies majors and students majoring in the combined majors with biology, Earth sciences, and economics. Concurrent enrollment in course 115A required.

120. Conservation Biology.

Biological principles and their application to conservation with emphasis on the loss of biodiversity. Prerequisite(s): course 24 or Biology 20C or Biology 150. A course in statistics is strongly recommended and calculus is recommended as additional preparation. Enrollment limited to 70.

130A. Agroecology and Sustainable Agriculture.

Ecological concepts and principles are applied to the design and management of sustainable agroecosystems. Alternatives for agriculture are discussed in terms of ecosystem structure and function. A weekly three-hour lab is required. Prerequisite(s): course 24 or Biology 20C or consent of instructor; concurrent enrollment in course 130L. Enrollment restricted to environmental studies and biology majors and students in the combined majors with Earth sciences, biology, and economics.

130L. Agroecology and Sustainable Agriculture Laboratory (2 credits).

Laboratory and field exercises to train in the analysis of ecological processes in agricultural systems, with a focus on the quantification of ecological sustainability. Experimental design, analysis, and data interpretation are emphasized. Prerequisite(s): course 24 or Biology 20C; interview required; bring class and work schedule to first class meeting. Enrollment restricted to environmental studies and biology majors and students in the combined majors with Earth sciences, biology, and economics.

141. Natural Resource Economics.

Application of economic analysis to natural resource policy and management. Topics include welfare economics, property rights and externalities, natural resource valuation, exhaustible and renewable resources, and sustainable development. Economics 1 is strongly recommended as preparation. Enrollment restricted to environmental studies majors and biology, Earth sciences, and economics combined majors.

152. Science and Land Use Decisions.

Technical and policy dimensions of major land use decisions will be assessed through a detailed case study. Technical review will stress geological constraints; policy review will stress the CEQA process. The initial case study will be the reuse of Ford Ord. One field trip is required. Prerequisite(s): one of courses 140, 149, 151 (recommended), 165 or Earth Sciences 20.

160. Restoration Ecology.

A multidisciplinary overview of restoring degraded ecosystems. Among the topics addressed are linkages between ecological principles and restoration, planning and implementing restoration projects, evaluating restoration success, and case studies of restoration of specific ecosystem types. Participation in one work day is required. Prerequisite(s): course 23 or Chemistry 1A or 1B and course 24 or Biology 20C. Enrollment limited to 40.

191F. Community and Agroecology Seminar (2 credits).

Interdisciplinary two-unit seminar designed for upper-division students who want to engage in concepts of community and agroecology in the context of sustainability and to develop leadership skills. Specific topics and readings change each quarter. Prerequisite(s): course 91F, 130A, 130B, 133, or equivalent experience. Enrollment limited to 25. May be repeated for credit.

196A. Senior Seminar: Management of Protected Lands.

Through selected readings, explores natural reserve and biodiversity management. Completion of an individual/team project related to University of California, Santa Cruz, natural reserves (campus, Younger Lagoon, Fort Ord). Project focus may be on reserve planning and policy, ecological diversity, design and management, or program development. Prerequisite(s): course 100 or permission of instructor. Enrollment restricted to senior environmental studies majors. Enrollment limited to 15.

201A. Keywords and Concepts.

Two-quarter course introduces keywords and concepts that underlie interdisciplinary work in environmental

studies through lectures, directed readings, and discussion. Modules include resonant concepts in ecology and society; ecology and evolution; environment and development; the global environment and society; agroecology and conservation biology; and public policy, economics, and law. Final grade for both courses assigned at the end of the second quarter. Enrollment restricted to graduate students. . Cheng, B. Haddad, M. Fitzsimmons, D. Letourneau, G. Gilbert, S. Rajan

230. Agroecology and Sustainable Agriculture. The application of ecological concepts and principles to the design and management of agricultural systems. The long-term goal of sustainable agroecosystems is examined in economic, social, and ecological contexts. Enrollment restricted to environmental studies graduate students.

290. Interdisciplinary Research Seminar (2 credits).

Research seminars presented weekly throughout the year by environmental studies and affiliated faculty, by visiting scholars, and by graduate students. Students discuss the content and methodology of research presented following each seminar. Enrollment restricted to graduate students. May be repeated for credit.

290L. Graduate Research Seminar (2 credits).

Graduate student presentations of doctoral research proposals, dissertation work-in-progress, grant applications, and conference papers. This weekly laboratory meeting seeks to develop professional skills, teach constructive criticism, and foster effective discussion among peers. Enrollment restricted to graduate students.

291. Advanced Readings in Environmental Studies (3 credits).

Focusing on a recently published volume or on a topic of current interest, this seminar requires a rigorous analysis of the principles and methods employed in the four core areas of the program: sustainable agriculture and agro-ecology; conservation biology; environmental policy analysis; and political economy. Enrollment restricted to graduate students. May be repeated for credit.

292. Topics in Research in Environmental Studies (2 credits).

Seminar in which students give critically evaluated presentations regarding current research in environmental studies and issues in research design. Students should consult with faculty prior to enrolling. Enrollment restricted to graduate students. May be repeated for credit.

Environmental Toxicology

80E. Aquatic Toxicology.

An introduction to the sources, cycling, and impacts of toxicants in aquatic systems, including acid rain, ground water, fresh water rivers and lakes, estuaries, and the ocean. Emphasis is on the properties of toxic chemicals that influence their biogeochemical cycles and factors that influence their toxicity to aquatic organisms and humans. (General Education Code(s): T2-Natural Sciences.)

101. Sources and Fates of Pollutants.

Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate of toxicants in aquatic and terrestrial environments, including environmental chemistry and biogeochemical cycles as well as exposure to pathways and uptake by

organisms. Additional emphasis placed on susceptibility and effects of toxicants across organ systems, toxicokinetic and biomarkers of exposure, and effects at the ecosystem level. Students cannot receive credit for this course and course 201.

201. Sources and Fates of Pollutants.

Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate of toxicants in aquatic and terrestrial environments including environmental chemistry and biogeochemical cycles as well as exposure pathways and uptake by organisms. Additional emphasis will be placed on the susceptibility and effects of toxicants across organ systems, toxicokinetics and biomarkers of exposure, and effects at the ecosystem level. Students cannot receive credit for this course and course 101. Enrollment restricted to graduate students; qualified undergraduate science majors may enroll with permission of instructor.

281F. Topics in Aquatic Toxicology.

Analyses of the sources and fates of aquatic pollutants. Discussions on processes at the air-water interface, within the water column, and in aquatic sediments. Topics vary from year to year. Enrollment restricted to graduate students; qualified upper-division science majors may enroll with instructor's permission. May be repeated for credit.

281O. Topics in Bacterial Pathogenesis (2 credits).

Intensive seminar focusing on mechanisms of bacterial pathogenesis of the ulcer-causing bacterium *Helicobacter pylori*. Participants are required to present results from their own research and relevant journal articles. (Also offered as Biology 280O. Students cannot receive credit for both courses.) Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 20. May be repeated for credit.

281S. Cellular and Organismal Responses to Toxicants.

Intensive research seminar on the concepts, theory, and techniques in deriving physiologically based pharmacokinetic models of toxin exposure, metabolism, and efficacy of therapeutic treatment in mammalian models of human metal toxicity. (Also offered as Biology 281S. Students cannot receive credit for both courses.) Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

281Y. Biofilms: Processes and Regulation (2 credits).

Intensive seminar series focusing on the most current work on genes and the processes that regulate biofilm development dynamics as well as on the recent developments on visualization of biofilms. Presentation and discussion based. Enrollment restricted to graduate students. Qualified undergraduate students may enroll with instructor's permission. May be repeated for credit.

281Z. Genetic Responses to Metal Ions (2 credits).

Focuses on metal ion responsive gene transcription regulation and regulated protein degradation in metal ion homeostasis. The importance of these cellular mechanisms in human health and heavy metal ion detoxifica-

tion is discussed. (Also offered as Biology 280V. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 18. May be repeated for credit.

290. Proseminar.

Special topics offered from time to time by faculty, visiting professors, or staff members. Enrollment restricted to graduate students; qualified undergraduates may enroll with instructor's permission. May be repeated for credit.

292. Introductory Graduate Seminar (no credit).

Weekly seminars by academic and research faculty on their areas of special interest. Students write weekly abstracts on articles covered by the seminars. Enrollment restricted to graduate students; qualified undergraduates may enroll with instructor's permission. May be repeated for credit.

Film and Digital Media

20A. The Film Experience.

An introduction to the basic elements, range, and diversity of cinematic representation and expression. Aesthetic, theoretical, and critical issues are explored in the context of class screenings and critical readings. Students are billed for a course fee. Enrollment restricted to first-year students, sophomores, and juniors. (General Education Code(s): IH, A.)

120. Introduction to Film Theory and Criticism.

An introduction to classical and contemporary film theory and those theoretical paradigms and methods that have illuminated the media: formalism, realism, structuralism, semiotics, psychoanalysis, Marxism, feminism, and issues of identity and difference. Students are billed for a course fee. Prerequisite(s): course 20A or 20B, satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. (General Education Code(s): W.)

134A. American Film, 1930–1960.

A survey of American narrative cinema from 1930 to 1960. Examines developments in film style, film technology, and the film industry in relation to American cultural history. Students are billed for a course fee. Prerequisite(s): course 20A or 20B. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. Offered in alternate academic years.

136B. History of Television.

Survey of the historical development of broadcast television from its origins to the present day phenomena of cable, satellite, and electronic networks. Examination of major genres, forms, and modes of production and consumption within cultural, social, and economic contexts. Offered every other year, alternating with course 136A. Students are billed for a course fee. Prerequisite(s): course 20B. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. (General Education Code(s): A.)

150. Screenwriting.

Problems in writing for film and television are explored through the writing of original material and analysis of existing works. Various film genres, conventions, and styles, both fictional and nonfictional, are examined. Admission by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly schedule of classes for application dates and other application instructions that may apply. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. May be repeated for credit. (General Education Code(s): W.)

161. Documentary Film and Video.

Explores the category of nonfiction through a historical and theoretical study of documentary in film and video. Addresses ethnographic film, Soviet and Griersonian documentary, cinema verité and/or other selected documentary texts and the issues of representation they raise. Students are billed for a course fee. Prerequisite(s): course 20A or 20B. Offered in alternate academic years.

165C. Lesbian, Gay, and Queer Film and Video.

An overview of homosexuality in American film. Employs Vito Russo's *The Celluloid Closet* as main text. Explores a baseline Hollywood homophobia and the formal and historical attempts to change it. Recent independent queer film and video discussed. Topics include authorship, spectatorship, genre and genre reappropriation, historical gender constructs, the "art" film, mainstream vs. independent production, the relationship of film to popular music. Students are billed for a course fee. Usually offered in alternate catalog years.

170A. Introduction to Digital Media Production.

Introduction to the conceptual and technical fundamentals of making digital media. Covers principles of digital image manipulation, basic web authoring, and interface design through projects that introduce production techniques and methods. Students are billed for a materials fee. Permission of instructor required. Admission by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly schedule of classes for application dates and other application instructions that may apply. Prerequisite(s): courses 20A and 20C. Enrollment restricted to film and digital media majors. Enrollment limited to 20. (General Education Code(s): A.)

170B. Fundamentals of Film and Video Production.

An introduction to the art and craft of making films and videos. Covers principles of cinematography, videography, editing, production planning, and lighting involving both production and techniques and methods. Students are billed for a materials fee. Admission by application and entrance essay. Application process may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly schedule of classes for application dates and other application instructions that may apply. Prerequisite(s): course 20A or 20B and one other film/video and digi-

tal media critical studies or history course required. Completion of additional upper-division film and digital media critical studies or history courses improves students' ability to be admitted to this course. Enrollment limited to 25. (General Education Code(s): A.)

171E. Structure of Hollywood.

Examines current structure of American film industry tracing history of shifting industrial practices. Who has power in Hollywood? How does the exercise of power affect the creative process? How does it change what we see? Enrollment restricted to film and digital media majors.

172. Film and Video Studio.

Intermediate workshop in film and video production. Topics include cinematography, sound, and non-linear digital editing techniques. Each student is responsible for the completion of a short project utilizing 16mm film or video. Students must bear the cost of materials and are billed for a materials fee. Prerequisite(s): priority given to students who have been accepted into the production concentration. Admission is by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly schedule of classes for application dates and other application instructions that may apply. Students who are not in the production concentration and who have completed course 170A or 170B may apply by submitting an application and sample of production work at first class meeting; these applications will be considered on a space-available basis. Enrollment limited to 25.

178A. Personal Computers in Film and Video.

Introduction to the specific applications of computers for film and video. By using computer-generated, enhanced and imported graphics, animation, text, sound, and moving video, students create still and time-based works in a computer environment. Prerequisite(s): course 170B; priority given to students who have been accepted into the production concentration. Admission is by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly schedule of classes for application dates and other application instructions that may apply. Students who are not in the production concentration and who have completed course 170B may apply by submitting an application and sample of production work at first class meeting; these applications will be considered on a space-available basis. Enrollment limited to 20.

194A. Film Theory Seminar.

Advanced senior seminar examining classical and contemporary film theory and those theoretical paradigms and methods that have illuminated the medium: formalism, realism, structuralism, semiology, psychoanalysis, Marxism, feminism, and phenomenology. Primary texts are read. Students are billed for a course fee. Prerequisite(s): course 120 or permission of instructor. Enrollment restricted to senior film and digital media majors. Enrollment limited to 20.

194B. Electronic Media Theory Seminar.

Study of the major theoretical approaches to electronic media and their critical application to texts from televi-

sion, independent video art and documentary, and electronic networks. Readings include a range of theoretical approaches selected from semiotic, ideological, feminist, cultural studies, reception theory, postmodernist, and other critical traditions. Students are billed for a course fee. Prerequisite(s): course 20B; satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to senior film and digital media majors. Enrollment limited to 20. (General Education Code(s): W.)

French

1. Instruction in the French Language.

Teaches speaking, writing, reading, and listening comprehension up to the intermediate proficiency level set by the American Council on the Teaching of Foreign Languages.

2. Instruction in the French Language.

Teaches speaking, writing, reading, and listening comprehension up to the intermediate proficiency level set by the American Council on the Teaching of Foreign Languages. Students interested in this course who do not have the prerequisite course must attend a placement interview. Prerequisite(s): course 1; or placement by interview.

3. Instruction in the French Language.

Teaches speaking, writing, reading, and listening comprehension up to the intermediate proficiency level set by the American Council on the Teaching of Foreign Languages. Students interested in this course who do not have the prerequisite course must attend a placement interview. Prerequisite(s): course 2; or placement by interview.

4. Intermediate French.

Expansion of the students' familiarity with the spoken and written language through vocabulary building, grammar review, and discussion of contemporary issues. Readings taken from various literary genres as well as from related cultural material. Prerequisite(s): course 3. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

5. Intermediate French.

Teaches speaking, writing, reading, and listening comprehension up to the intermediate proficiency level set by the American Council on the Teaching of Foreign Languages. Each level is taught each quarter. Prerequisite(s): course 4 or 4X or placement by examination. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

6. Intermediate French.

Teaches speaking, writing, reading, and listening comprehension up to the intermediate proficiency level set by the American Council on the Teaching of Foreign Languages. Each level is taught each quarter. Prerequisite(s): course 4 or 4X or placement by examination. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

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13F. Oral Fluency Through Cultural Study (2 credits).

A course for any student beyond level 3, developing oral fluency through discussion in cultural studies, covering a variety of topics. Listening comprehension and speaking are emphasized through exploration of situations common to France and francophone countries. May be offered more than once per year. Prerequisite(s): course 3. Students not having had French 3 at UCSC need to speak to a UCSC French lecturer. Enrollment limited to 25. May be repeated for credit.

111. Stylistics.

Intensive work in French composition with the aim of attaining grammatical correctness and excellence of expression. May be repeated for credit with consent of instructor. Prerequisite(s): course 6. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting.

German

1. Instruction in the German Language.

Teaches beginning-level competence in speaking, reading, writing, and listening comprehension. Elementary sequence (1-2-3) starts in fall quarter only. (An accelerated sequence, course 1A-1B, begins winter quarter.) Not all levels are available each quarter. Check the quarterly Schedule of Classes for exact quarter(s) of offering. Students who have completed course 1 and course 2 may take 1B for credit.

4. Intermediate Studies in German Language.

Intermediate composition and conversation based on the reading of selected prose and related cultural material. Speaking, reading, writing, and listening comprehension skills are developed by extensive use of media materials. Conducted entirely in German. Not all levels are available each quarter. Check the quarterly Schedule of Classes for the exact quarter(s) of offering. Prerequisite(s): course 1B or 3; or placement by examination. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

Greek

1. Elementary Ancient Greek.

Instruction in the grammar of Attic Greek, together with readings, mostly in Plato, designed to prepare for the study of classical literature. The sequence begins in the fall quarter only.

Hebrew

1. Instruction in the Hebrew Language.

Speaking, listening comprehension, reading, and writing fundamentals. The use of Modern Hebrew is encouraged through classroom practice supplemented by language laboratory work. Elementary sequence (1-2-3) begins in fall quarter only.

4. Intermediate Hebrew.

Development of the students' familiarity with the spoken and written language through grammar review, discussions, and vocabulary building. Varied readings on literary and cultural topics related to modern Israel. Prerequisite(s): course 3. Students interested in this

course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

80. Introduction to Biblical Hebrew.

Introduces students to the basic lexicon and grammatical structures of biblical Hebrew, with an emphasis on the development of a set of useful translation strategies. Throughout the course, students will be applying their emergent skills to translating a variety of biblical texts. (General Education Code(s): T4-Humanities and Arts.)

Hindi

1. Elementary Hindi.

An in-depth introduction to modern Hindi including the Devanagari script. Through a combination of graded text, written assignments, audiovisual material and computer-based exercises, provides cultural insights and increases proficiency in understanding, speaking, reading and writing Hindi. Emphasis on spontaneous self-expression.

4. Intermediate Hindi.

Continuation and completion of in-depth introductory sequence in modern Hindi including Devanagari script. Through combination of graded text, written assignments, audiovisual material, and computer-based exercises, provides cultural insights and increases proficiency in understanding, speaking, reading, and writing Hindi. Emphasis on spontaneous self-expression. Prerequisite(s): course 3 or equivalent; familiarity with Devanagari script. Enrollment limited to 25. (General Education Code(s): IH.)

History

21. Approaches to Classical Myth.

Introduction to Greek myths, including selected ancient texts and visual artifacts, historical and cultural context of their creation and reception, modern theoretical approaches such as structuralism and psychoanalysis, and interpretations in various media. (Also offered as Literature 61M. Students cannot receive credit for both courses.) (General Education Code(s): IH.)

25A. United States History to 1877.

A survey of the political, social, and cultural history of the U.S. from the founding of the North American colonies to 1877. Satisfies American History and Institutions requirement. (General Education Code(s): IH.)

30A. Modern European History.

A survey of economic, social, and political history of Europe since the late 15th century: 1500-1789. A is not prerequisite to B, nor B to C. (General Education Code(s): IH.)

31. Amazons, Queens, Witches, and Saints: Medieval and Early Modern Women.

Examines women's roles in the Middle Ages and early modern era, focusing principally on western Europe—a time when women participated widely in religious, economic, political, and even military spheres. Focuses on social conditions, gender roles, and the different ways women accessed and used power and authority.

39. Film and the Holocaust.

Examines a series of distinguished documentary and feature films about the destruction of European Jewry. Each film is placed in its historical context, and wher-

ever possible, the readings include the original documents on which films were based. Emphasis is placed on the strategies the filmmakers used to address the problem of representing genocide with succumbing to mere melodrama. (General Education Code(s): E.)

40. The Making of Modern East Asia.

A broad introductory survey of the political, social, economic, philosophical, and religious heritage of modern China, Japan, and Korea. Emphasis on the historical foundations of modern nationalism, the colonial experience, and revolutionary movements. (General Education Code(s): IH, E.)

55A. The World to 1500.

Surveys the rise of complex societies: the formation of classical civilizations in Afroeurasia and the Americas, post-classical empires and cross-cultural exchange, technology and environmental change, the Mongol Empire, and oceanic voyages and the origins of the modern world. (General Education Code(s): IH.)

101. Athenian Democracy.

Athenian democracy from foundation to the fourth century B.C., with emphasis on its practices and ideologies. Readings from ancient sources and modern theory. Topics to include foundations and development; Athenian concepts of freedom, equality, law, citizenship. Lectures and discussion.

134A. French History: Old Regime and Revolution.

French history from the Middle Ages through the Revolution. Focus on the rise and fall of "absolute" monarch, the nature of Old Regime society, the causes and significance of the French Revolution. Attention to those who endured as well as to those who made events.

140A. Colonial and Revolutionary America.

Explores the political, social, economic, and cultural development of British North America from the first European/Amerindian contacts in the late sixteenth century through to the establishment of the U.S.: founding to 1750. A is not prerequisite to B. Satisfies American History and Institutions requirement.

141A. Africa to 1800.

Introduction to history of Africa. Topics include states and "stateless" societies, culture, society and economy in the pre-modern era, stratification, oral traditions, long distance trade, the coming of Islam, and the evolution of the South Atlantic system and its social, political, and other consequences. Some background knowledge of Africa helpful. (General Education Code(s): E.)

147. California History.

Offers a comprehensive view of California history, beginning with a study of native societies, Spanish conquest, and the vast changes wrought by the U.S.-Mexican war and the gold rush. Ecological, social, cultural, and urban change to the present are traced.

151. Classical Chinese Culture and Literature, 10th Century B.C.E. through Sixth Century C.E.

Survey of writing and culture from the 10th century B.C.E. through the sixth century C.E., focusing on poetry, philosophical and historical writing, supernatural fiction, Buddhist/Taoist texts in contexts of fragmentation, empire building, dynastic collapse, rebellion, eremitism, and courtly society. Satisfies the Pre- and Early Modern and World Literature concentrations; also sat-

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ifies the Global, Poetry, and Pre- and Early Modern distribution requirements. (Also offered as World Lit and Cultural Studies 135. Students cannot receive credit for both courses.) (General Education Code(s): E.)

159C. Modern Japan.

Surveys the history of the peoples of the modern Japanese empire and nation from the Meiji Restoration to the present. Focuses on the formation of the modern state, international relations, social structure, and cultural history. (General Education Code(s): E.)

169. Rethinking the Holocaust: Bioscience, Race Theory, and Genocide.

Traces the Nazi "Superstate" project from its origins at the conjunction of bioscientific theory and racialist ideology to its conclusion in the Holocaust, providing a historical perspective for social and political dilemmas raised by contemporary biomedical advances. (Formerly *Bioscience, Nazi "Racial Hygiene," and the Holocaust.*) (General Education Code(s): E.)

186. Asian American History, 1941–Present.

Analyzes immigration, race relations, war, gender ideology, family life, acculturation, political activism, interracial marriage, multiracial identity, and cultural representations between 1941 and the present. Emphasis on discussion, writing, research, and group presentations. (General Education Code(s): E.)

194E. Special Topics in Ancient History.

Seminar focuses on different topics in ancient history. In addition to assigned readings, the student is expected to do additional research that culminates in a 20-page paper on a topic of the student's choice. General topics for the course will vary from year to year. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, two upper-division history courses. Enrollment limited to 20. (General Education Code(s): W.)

194W. Gender, Family, and State in China: 1600–Present.

Explores gender, family, and state power in China from 1600 to present, examining gendered norms, education, political movements, revolutionary practice, sexuality and sex work, and state interventions in contemporary families. Responses to reading and a research paper required. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; two upper-division history courses: one in Asian history; or permission of instructor. Enrollment limited to 20. (General Education Code(s): W, E.)

194Y. Studies in European Intellectual History.

Topics in European intellectual history from the French Revolution to World War I. Readings exemplifying approaches from history of ideas and intellectual biography to recent studies of rhetoric and political culture. Preparation and presentation of research paper. Prerequisite(s): two upper-division history courses; satisfaction of the Entry Level Writing and Composition requirements. Enrollment limited to 20. (General Education Code(s): W.)

196E. Myths and Models in (and of) American History.

We make a close reading of current and innovative work in U.S. history. We study how historians construct stories based upon models of the society, culture, and state,

embracing certain political and moral ends which are plotted like other stories. Prerequisite(s): two upper-division history courses and satisfaction of the Entry Level Writing and Composition requirements. Enrollment limited to 15. (General Education Code(s): W.)

196O. Race and the Nation in Latin America.

Focuses on the ways in which nation and race have been thought about in Latin America throughout the 19th and 20th centuries. These concepts were closely intertwined, albeit in differing and changing ways, since the wars of independence from Spain and Portugal (1810–1825). Compares the ways in which "black," "Indian," and "racially mixed" ("mulatto" or "mestizo") have been socially constructed, ideologized, and contended in different countries, including Brazil, the Spanish-speaking Caribbean, Mexico, Peru, and Argentina. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; two upper-division history courses. Enrollment limited to 20. (General Education Code(s): W, E.)

201. Methods and Theories of History.

An overview of theories, methods, and philosophies concerning the nature and production of history. Topics vary with instructor. Enrollment restricted to graduate history students and others by permission of instructor. Enrollment limited to 20.

205A. Readings in European Social and Cultural History.

A readings seminar that introduces beginning graduate students to some of the major conceptual and methodological approaches to early modern European social and cultural history, 1400–1789. Enrollment restricted to graduate students. Enrollment limited to 20.

208B. Readings in U.S. History.

Introduction to major themes and controversies in the interpretation of U.S. history. Readings cover both chronological eras and topical subjects, often in a comparative context: nineteenth century. Enrollment restricted to graduate history majors. Enrollment limited to 15.

290A. History Graduate Proseminar: Teaching Pedagogy (2 credits).

Devoted to professionalism and socialization of history graduate students. Includes formal and informal meetings with faculty and other graduate students. Topics include TAsHips, designing course syllabi, pedagogy, teaching technologies, and teaching in different venues. This course is required for first-year students; however, it is open to all other history graduate students as needed. Enrollment restricted to graduate history majors. May be repeated for credit.

History of Art and Visual Culture

10F. The Nude in the Western Tradition.

The human body without clothing in European and European-American art and visual culture from ancient Greece to the present day. Among the themes to be addressed: gender, youth and age, sexuality and sexual preference, fecundity and potency, erotic art and pornography, primitivism and the naked body of the non-European. (General Education Code(s): IH, A.)

80A. Introduction to Architecture.

Introduction to elements, technology, concepts, and semiotics of architecture in its buildings, functions, environments, societies, and history. (General Educa-

tion Code(s): T5-Humanities and Arts or Social Sciences, A.)

80T. Art of the Body in Oceania.

Explores "art of the body," defined broadly, from various perspectives. Examines colonial representations of Oceanic bodies, self-representation through bodily adornment and display (including tattoo, scarification, body painting, ornament, and dress), and bodily metaphors in Oceanic visual cultures. (Formerly *Art of the Body in the Pacific Islands.*) (General Education Code(s): T5-Humanities and Arts or Social Sciences, A, E.)

110A. Mexico.

The art and architecture of selected pre-Hispanic cultures from the gulf coast, central, western, and southern Mexico including the Olmec, Zapotec, Toltec, Mixtec, Mexica (Aztec), and others. Offered in alternate academic years. (General Education Code(s): A.)

114. Buddhist Visual Worlds.

Introduction to the study of Buddhist visual traditions, from their beginnings to the present day. Case studies examined with careful attention to historical, social and cultural contexts; particular emphasis on the relation of visual traditions to Buddhist practices. Enrollment restricted to sophomore, junior, and senior students. (General Education Code(s): A.)

121A. Early Chinese History.

Neolithic to the first extended age of imperial China (the Han Dynasty, 206 B.C.–220 A.D.). Themes, such as ritual and technology in the language of form, within a cultural and historical framework concluding in the age when representation of everyday life first became prominent. (General Education Code(s): A.)

149A. Histories of Photography.

Introduction to the histories of photography and the critical debates around different photographic genres such as medical photography, art photography, and political photography. Students will develop a critical language in order to analyze photographs while considering the importance of social and institutional contexts. (General Education Code(s): A.)

160. Storytelling in Asian Art.

Combination of theoretical perspectives on narrative from literary criticism, rhetoric, folklore, and film theory with art historical focus on images (cave temples, stone reliefs on stupas, scrolls, dance-drama, etc.) from India, Pakistan, China, Japan, Cambodia, and Indonesia. Enrollment limited to 35. (General Education Code(s): A, E.)

164. Early Medieval and Romanesque Architecture.

Meaning and form of building in western European society, 1000–1130, within monastic, imperial, ducal, and urban environments. Course 80A or one quarter of the course 10-series or a course in medieval studies is recommended as preparation. Enrollment restricted to sophomores, juniors, and seniors; other interested students should contact the instructor. Enrollment limited to 35. (General Education Code(s): A.)

174C. Constructing Memory and Place in Postwar Architecture.

How have architects engaged memory and place in architectural projects and built landscapes since World

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War II? Examines memorializing, memory, and erasure of place in reconstruction of cities, creation of memorials, and design of buildings. (Formerly course 191J.). Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 35. (General Education Code(s): A.)

185B. Gender.

In Africa, relationships exist between gender and visual culture. Course examines where categories come from, differences in men's and women's visual cultures, and how visual cultures teach, reinforce, and negotiate gender definitions. When are male/female boundaries crossed, and why? Enrollment limited to 35. (General Education Code(s): A, E.)

190B. The Virgin of Guadalupe: Images and Symbolism in Spain, Mexico, and the U.S.

Focus on the histories of miraculous images of La Virgen de Guadalupe de Extremadura (Spain) and La Virgen de Guadalupe de Tepeyac (Mexico). The foundations and growth of the cult of the Mexican Guadalupe during the colonial period is examined along with the multivalent symbolism of her image. Considers contemporary "appearances" of the Virgin of Guadalupe, from the miraculous images on a tree in central California and the compositions of Chicano artists, to mass-produced kitsch. This course can be taken for senior exit credit only by permission of the instructor. This course can be taken for senior exit credit only by permission of the instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 18. (General Education Code(s): A, E.) C. Dean

190O. Art and Culture Contact in Oceania.

Examines impact of culture contact on Oceanic and Euro-American visual cultures in context of "discovery," colonialism, and "postcolonialism." Topics include 18th-century visual culture, colonial identities, primitivism, syncretism, impact of Christianity, contemporary art/market, media, tourism, transnationalism, and globalization. Prerequisite(s): prior course work related to Oceania recommended. Enrollment restricted to juniors and seniors. Enrollment limited to 17. (General Education Code(s): A, E.)

191F. Play and Ritual in African Visual Cultures.

Compares how play and ritual construct worlds and regulate visual cultures—from dolls to "ritual" objects and performances. Attention given to areas where play and ritual overlap and the visual cultures that result. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 17. (General Education Code(s): A, E.)

191R. Gothic Architecture Beyond Cathedrals.

Seminar on medieval Gothic religious architecture beyond cathedrals: parish churches that structured the lives of ordinary people; friar churches that challenged the cathedral aesthetic; Mediterranean cathedrals, synagogues, special-use chapels, and nunneries—all of which deconstruct the historiography of Gothic. Prerequisite(s): courses 80A, 10F, or by permission of instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 18. (General Education Code(s): A.)

History of Consciousness

80E. Myth and Religion.

A study of the nature of religion and myth as well as their interrelationship; the beginnings and functions of myth, its major themes in various cultures, its relationship to sacrifice and ritual, and its role in selected religions and cultures throughout the world. Offered in alternate academic years. (General Education Code(s): T4-Humanities and Arts.)

203. Approaches to History of Consciousness.

An introduction to history of consciousness required of all incoming students. The seminar concentrates on theory, methods, and research techniques. Major interpretive approaches drawn from cultural and political analysis are discussed in their application to specific problems in the history of consciousness. Prerequisite(s): first-year standing in the program. See the department office for more information.

215A. Critical Theory in the Marxist Tradition.

An introduction to classic texts of the Frankfurt School, focusing on works by Adorno, Horkheimer, Benjamin, and Marcuse. Explores their uses and critiques of Marxism, emphasizing questions of the relation between philosophy and history, theory and praxis, aesthetics and politics, and identifying issues relevant to contemporary debates around race, class, and gender. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

218A. Postcolonial Theory.

Study of selected topics in postcolonial theory, including decolonizing critiques of Western knowledges and epistemologies, nationalism, gender and sexuality, cultural representations of neo-colonialism and imperialism, subalternity, history and historical transformation, and global relations of dominations. Enrollment restricted to graduate students. Enrollment limited to 15.

220A. Globalization and Cultural Process.

Discusses theories of globalization and its cultural effects. How are cultural forms destroyed, imposed, appropriated, hybridized, translated, invented, and reinvented at local, national, regional, and transnational levels? Historical and ethnographic focus on tourist encounters, museums, nativisms, film/media performances, etc. Enrollment limited to 20. May be repeated for credit.

251B. Readings in Science Studies.

Second quarter of two-quarter course. Writing intensive based on the readings studied in course 251A. Prerequisite: course 251A. Enrollment restricted to graduate students. Enrollment limited to 15.

259A. Kant, Lacan, and the Ethics of Psychoanalysis.

Offers an introduction to Jacques Lacan's "return to Kant" and the response it provokes as a reading of sadism, politics, and ethics. Specific point of entry adopted for course is Lacan's seminar on "The Ethics of Psychoanalysis." Enrollment restricted to graduate students. Enrollment limited to 15.

Information Systems Management

50. Business Information Systems.

Addresses the use of information systems (IS) within a

business enterprise. Subjects include computer hardware and software concepts, system design and implementation, telecommunications, data management, transaction-based systems, management information systems, and the use of IS to compete. Intended for information system management and business management economics majors.

101. Management of Technology Seminar (2 credits).

Uses weekly talks by leading industry practitioners and university researchers to provide in-depth exposure to the management of technology. Topics covered include product development, operations, strategy, finance, and marketing for technologies such as software and information systems. May be repeated for credit.

205 Management of Technology I.

Addresses technological, strategic, marketing, financial methods, and analytical tools for management of technology in an integrated manner that enables the cost-effective and rapid development of profitable and high quality technologies. Includes case studies and a comprehensive project. Students cannot receive credit for this course and either course 80A or 105. Enrollment restricted to juniors, seniors, and graduate students.

206. Optimization Theory and Applications.

A first graduate course in optimization with an emphasis on problems arising in management and engineering applications. Objectives are to become experts in problem formulation, comfortable with software for solving these problems, and familiar with analytical methods behind these solver technologies. Prerequisite(s): calculus and linear algebra. Enrollment restricted to graduate students.

Italian

1. Instruction in the Italian Language.

Aural comprehension, speaking, reading, writing, and laboratory. Check the quarterly Schedule of Classes for exact quarter(s) of offering. Elementary sequence (1-2-3) begins in fall quarter.

4. Intermediate Italian.

Short stories, articles, films, and newsclips are used as the basis for studying intermediate-level conversation and composition. Laboratory assignments involve use of the World Wide Web, conversations with native speakers, films and video clips. Students interested in this course who have not taken the prerequisite at UCSC should meet with the instructor, preferably prior to the first class meeting, and take the placement examination. Prerequisite(s): course 1B or 3, or placement by examination. Enrollment limited to 25. (General Education Code(s): IH.)

Japanese

1. Instruction in the Japanese Language.

Goal is to learn all the basic grammar, hiragana, katakana, and 100 kanji, and to attain elementary proficiency in speaking. Elementary sequence (1-2-3) begins in fall quarter only. (Formerly *Elementary Japanese*.)

4. Intermediate Japanese.

Goal is to attain skill in reading Japanese texts, using grammatical and analytical ability gained during courses 1-2-3. Includes compositions and extensive kanji learn-

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ing. Intermediate sequence (4-5-6) begins in fall quarter. Prerequisite(s): course 3; or placement by examination. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

50. Preadvanced Japanese.

Intensive work in Japanese grammar to strengthen grammatical correctness and excellence of expression. A comprehensive textbook and drill book cover a wide range of styles and topics. Course is prerequisite to upper-division Japanese language courses. Prerequisite(s): course 6. Students interested in this course who have not taken the prerequisite should meet with the instructor, preferably prior to the first class meeting. Enrollment limited to 20. (General Education Code(s): IH.)

Latin American and Latino Studies

1. Introduction to Latin American and Latino Studies.

Basic interdisciplinary introduction required of all majors and minors. Presents basic elements for studying the Latin American culture, society, economy, polity, and Latino communities in the U.S. Special attention is paid to issues of race, gender, and class, to the changing situation of the Americas within the world economy, and to the efforts of Latin America's peoples and Latinos in the U.S. to take control of their own destinies. Discussion sections are mandatory. (General Education Code(s): IS, E.)

80A. Peoples and Cultures of the Americas.

Anthropological in approach, concentrates on how Latin America's image is constructed and studied today. Topics include geographies, nationalities, social classes, ethnicities, gender, ecologies, regions, cultural areas, folklore, revolutions, rural and urban societies. (Formerly *Peoples and Cultures of Latin America*.) (General Education Code(s): T3-Social Sciences, E.)

80M. Introduction to Mayan History and Literature.

An introductory lecture and discussion course on literature and history of Mayan people of Mexico and Guatemala in the last 500 years; concentration also on representation of the Maya by westerners since the invasion of 1492. (General Education Code(s): T3-Social Sciences, E.)

80Q. Musica Latina.

Surveys various musical forms and styles that have developed in Mexico and their influence on music today in Mexico and the U.S. Discusses concept of hybridity and grapples with it as a central issue in the evolution of Mexican music. Addresses migration of music, which not only contributes to its distribution but also the evolution of the musical practices of Mexican forms, styles and genres. (General Education Code(s): T3-Social Sciences, E.)

81A. Mexican Folklorico Dance (2 credits).

Provides instruction in the aesthetic, cultural, and historical dimensions of Mexican folklorico dance. Students taught choreographed dances from various regions of Mexico and also learn dance techniques (*técnica*) and stage make-up application. Additional workshops and lectures offered to supplement class. Open to all students; no previous experience required. (Formerly Latin

American and Latino Studies 129F, *Mexican Folklorico Dance*.) (Also offered as Anthropology 81A. Students cannot receive credit for both courses.) May be repeated for credit. (General Education Code(s): A.)

143J. Global Political Economy.

Analyzes the global, social, economic, and political forces that shape transnational, national, and regional societal formations and consequently the entire environment for social change. Examines the evolution of revolutionary struggle and its origins within and impact upon the evolving capitalist system.

146. Urban Crisis in the Americas.

Multidisciplinary course on the cities of Latin America and Latino barrios in the U.S. Examines how cities have been constituted spatially, economically, and culturally from the Pre-Columbian era to the present. (Formerly *Urban Crisis in Latin America*.) (General Education Code(s): E.)

166. Latino Families in Transition.

Explores the complex nature of Latino families in the U.S., which like other American families are undergoing profound changes. Placing families within a historical context of post-'60s social upheaval, such as feminism, migration, "reconstructed" or multiple-earner households, examines how family members adapt, resist, and/or construct alternative visions and practices of family life. Prerequisite(s): course 1. Enrollment limited to 40. (General Education Code(s): E.)

173. Latin American Immigration to the U.S.

Interdisciplinary examination of Latin American immigration to the U.S. Topics include history of U.S. as an immigrant nation, economic and political context for migration, immigration process/experience, U.S. immigration/refugee policies, anti-immigrant backlash today, issues facing Latino immigrant communities to the U.S., bi-national communities. (General Education Code(s): E.)

194G. Chile: Social and Political Change.

Examines the special characteristics of the Chilean political system from the election of Salvador Allende in 1970 to the present. Particular emphasis is given to understanding the different forces, internal as well as external, that broke the Chilean tradition of democratic rule in 1973, and to the current configuration. Taught in English. Enrollment limited to 20. (General Education Code(s): E.)

194N. Las izquierdas en América Latina: ayer, hoy y mañana.

Taught in Spanish. Focuses on legacies of Latin America's popular and revolutionary movements since the 1960s, current transformations, and 21st-century prospects. Major emphasis on contemporary evaluations/debates about past movements and new perspectives. Also features a section on cross-border strategies, movements, and alliances for social justice. Enrollment restricted to junior and senior Latin American and Latino Studies majors, minors, combined or double majors. Enrollment limited to 20. (General Education Code(s): E.)

200. Bridging Latin American and Latino Studies.

Explores social, cultural, economic, and political changes that connect Latin America and U.S. Latina/o commu-

nities. The objective of this interdisciplinary team-taught course is to bridge previously distinct research approaches of Latin American and Latino studies to better understand processes that link peoples and ideas across borders as well as help students to conceptually and methodologically identify and design new objects of study and revisit traditional approaches. Enrollment restricted to graduate students.

Latin

1. Elementary Latin.

Instruction in Latin grammar, together with readings in various authors, designed to prepare for the study of classical literature. The sequence begins in the fall quarter only.

Legal Studies

10. Introduction to Legal Process.

Selected topics, such as discrimination, privacy, and pollution, are traced through different areas of public and private law, and through different levels of the legal system. Emphasizes the interaction between criteria for legal decisions and choices available to legal actors including ordinary citizens. (General Education Code(s): IS.)

105A. Ancient Political Thought.

Ancient political ideas in context of tension between democracy and empire, emergence of the psyche, and shift from oral to written culture. Emphasis on Athens, with Jewish, Roman, and Christian interventions. Includes Sophocles, Thucydides, Socrates, Plato, Aristotle, Stoics, the Bible, and Augustine. (Formerly *Classical Political Theory*.) (Also offered as Politics 105A. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority period.

107. After Evil: Political Morality of Survivorship and Recovery.

What are the continuing relationships between victims, perpetrators, and beneficiaries of a past that is recognized as evil? Focus on contrast between the competing moral logics of struggle and reconciliation, and various rationales for allowing beneficiaries to keep their gains in order to bring closure to the past. Topics include post-slavery U.S., post-apartheid South Africa, post-genocide Rwanda, post-Holocaust Germany/Israel, post-authoritarian Latin America, and post-Soviet Eastern Europe. Theoretical perspectives drawn from law, philosophy, theology, and psychoanalysis. (Also offered as Politics 107. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority enrollment only.

120C. State and Capitalism in American Political Development.

Examines expansion of the American state, its relation to the development of capitalism, and changing contours of policy intervention in economy and society. Includes regulation of capitalism, origins and growth of welfare state, and implications of state intervention for economic and political inequalities in America. (Also offered as Politics 120C. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority period. Satisfies American History and Institutions requirement.

125. *Civil Liberties in the Age of Terrorism.*

Explores impact of antiterrorism policies passed since September 11 on civil liberties, including issues relating to detainees, freedom of information requests, wire-tapping authority, watch lists, profiling, and creation of a domestic intelligence agency.

132. *California Water Law and Policy.*

Explores the rich history and fundamental legal concepts surrounding water in California. Students identify, evaluate, and debate some critical water policy questions faced by Californians today and in the future. (Also offered as Politics 132. Students cannot receive credit for both courses.)

154. *The Legal Profession.*

Lawyers stand between the legal system and those who are affected by it. Examines this relationship descriptively and normatively, and from the point of view of sociological theory. Concentrates on the U.S. profession, with some comparative material. Enrollment restricted to legal studies majors during priority period.

162. *Legal Environment of Business.*

A study of law and the legal process, emphasizing the nature and function of law within the U.S. federal system. Attention is given to the legal problems pertaining to contracts and related topics, business association, and the impact of law on business enterprise. (Also offered as Economics 162. Students cannot receive credit for both courses.) Prerequisite(s): Economics 100A.

Linguistics

20. *Introduction to Linguistics.*

An introduction to the major areas, problems, and techniques of modern linguistics. (General Education Code(s): IH.)

52. *Syntax I.*

An introduction to transformational syntax and syntactic investigation, developed through the study of central aspects of English syntax. A major purpose is to introduce students to the study of language as an empirical science. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. (General Education Code(s): IH, W.)

80V. *Structure of the English Vocabulary.*

A systematic study of the elements of English words: besides the practical goal of vocabulary consolidation and expansion, explores the historical origin and development of word elements, as well as their sound, meaning, and function in the contemporary language. Offered in alternate academic years. (General Education Code(s): T4-Humanities and Arts.)

101. *Phonology I.*

Introduction to how sounds pattern in grammars—why they vary, how they combine, etc. Emphasis is on developing theories to explain the patterns. Topics include distinctive feature theory, phonemic analysis, autosegmental phonology, and principles of syllabification and stress. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 20 or 51. (General Education Code(s): W.)

117. *Pragmatics.*

Covers topics central in the study of pragmatics, the interpretation of language use. Topics include conversational implicature, speech acts and discourse under-

standing, and social deixis. Offered in alternate academic years.

211. *Phonology A.*

First part of a three quarter introduction to phonology. Topics of the sequence include fundamentals of acoustic phonetics; introduction to optimality theory; theories of syllabification, stress, and prosodic organization; prosodic morphology; advanced issues in faithfulness and correspondence; segmental and suprasegmental processes. Enrollment restricted to graduate standing or consent of instructor.

219. *Phonology Seminar.*

Advanced topics in phonology drawn from the current research interests of the instructor. Prerequisite(s): course 212. Enrollment restricted to graduate standing or consent of instructor. May be repeated for credit.

221. *Syntax A.*

Introduction to syntactic theory. Phrase structure; subcategorization; lexical entries; passive; infinitival constructions. Enrollment restricted to graduate standing or consent of instructor.

231. *Semantics A.*

Introduction to linguistic semantics: nature of lexical entries, thematic relations, representation of logical form; relation between semantic interpretation and syntactic representation, quantification and scope relations, reference and presupposition. Enrollment restricted to graduate standing or consent of instructor.

239. *Semantics Seminar.*

Advanced topics in semantics drawn from the current research interests of the instructor. Prerequisite(s): course 232. Enrollment restricted to graduate standing or consent of instructor. May be repeated for credit.

Literature

1. *Literary Interpretation.*

Close reading and analysis of literary texts, including representative examples of several different genres and periods. An introduction to practical criticism required of all literature majors; should be completed prior to upper-division work in literature. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. (General Education Code(s): IH, W.)

42P. *Student-Directed Seminar: French Erotic Texts.*

Utilizing Marquis De Sade as author of the discourse, chronicles the use of sexuality in French literature as an agent for expressing the power struggle in social issues such as feminism, colonialism, religion, class consciousness, and queer theory. All works read in English translation.

61M. *Approaches to Classical Myth.*

Introduction to Greek myths, including selected ancient texts and visual artifacts, historical and cultural context of their creation and reception, modern theoretical approaches such as structuralism and psychoanalysis, and interpretations in various media. (Also offered as History 21. Students cannot receive credit for both courses.) (General Education Code(s): IH.)

80A. *Biblical Narratives.*

No book has so decisively influenced the development of the Western world as the Bible. Traces the Bible's influence on narrative, themes, and ideas in Western

literature. Explores major Biblical stories and themes in a comparative context and traces their reappearance in Western literature and imaginative works. (General Education Code(s): T4-Humanities and Arts.)

101. *Theory and Interpretation.*

Contemporary approaches to literary and cultural theory, with emphasis on how theoretical perspectives advance and broaden the reading of literary texts. Introduction to important new theoretical developments and their antecedents. Literature majors should complete this course as early as possible. Topics for 2005-06: (F) semiotics and psychoanalysis; (W) phenomenology and literature; (S) production and consumption of literature, from internal semiosis to historical uses. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 200. May be repeated for credit. (General Education Code(s): W.)

200. *Proseminar.*

The proseminar provides a common experience for entering students, facilitates exchange of ideas and approaches to literary and extra-literary texts, critical issues, and theoretical problems. It focuses on broad aspects of the history of theory and criticism, on the students' critical writing, and on aspects of professional development. Enrollment restricted to graduate students.

201. *The Pedagogy of Literature (1 credit).*

Provides training for graduate students in university-level pedagogy in general and in the pedagogy of literature specifically. Coordinated by a graduate student who has had substantial experience as a teaching assistant, under the supervision of a faculty member. Enrollment restricted to graduate students. May be repeated for credit.

Creative Writing

10. *Introduction to Creative Writing.*

Introduction to the crafts and techniques of poetry, fiction, and creative non-fiction, identifying and exploring traditional and non-traditional literary forms and genres while working on individual creative writing projects. Two lectures/author readings and two workshop sections per week. Enrollment restricted to first-year students, sophomores, and juniors. May be repeated for credit. (General Education Code(s): A.)

52. *Intermediate Fiction Writing.*

An intermediate-level course in fiction designed for prospective creative writing majors. Prerequisite(s): submission of writing at first class meeting. May be repeated for credit. (General Education Code(s): A.)

53. *Intermediate Poetry Writing.*

An intermediate-level course in poetry designed for prospective creative writing majors. Prerequisite(s): submission of writing at first class meeting. May be repeated for credit. (General Education Code(s): A.)

170. *Methods and Materials.*

Focuses on a particular process or subject used in the production of a literary text. Course is intended to work as a bridge between invention and scholarship. Topics: (F) the writer's vocation and printing of books; (W) literary arts magazine publishing; (S) borderlands writ-

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ing. Enrollment restricted to creative writing literature majors. May be repeated for credit. (General Education Code(s): A.)

180. Advanced Writing: Fiction.

Intensive work in writing fiction. Satisfies the Creative Writing Literature concentration. Enrollment restricted to creative writing literature majors or permission of instructor. May be repeated for credit. (General Education Code(s): A.)

183. Advanced Writing: Poetry.

Intensive work in writing poetry. Satisfies the Creative Writing Literature concentration. Enrollment restricted to creative writing literature majors or permission of instructor. May be repeated for credit. (General Education Code(s): A.)

English-Language Literatures

102C. The Traditional U.S. Canon: Beginnings to 1900.

Major works from the colonial and early national periods to 1900, with attention to their social and cultural context. Satisfies the American, English, and Modern Literature concentrations.

103H. Twentieth-Century British Literature.

Extensive study of literary productions of 20th-century Britain. (Formerly British Literature 151.)

170A. Geoffrey Chaucer.

Close study of Chaucer's poetry, with some attention to relevant cultural, philosophical, and historical issues in the context of the late medieval period. Particular emphasis on *The Canterbury Tales*. Satisfies the British, English, and Pre- and Early Modern Studies Literature concentrations; also satisfies the Poetry and Pre- and Early Modern distribution requirements.

170R. Bob Dylan.

Bob Dylan as Poet: From Folk Hero to Electric Messiah. Focuses primarily on the poetry and poetics of Dylan's by now substantial canon of works-early, middle, and late. Stresses poetic syntax, various lyric genres, surrealist imagery, and narrative tactics used, as well as the more socially expansive dynamics of how Dylan forged his prophetic/visionary imagination. Satisfies the English and Modern Literature concentrations; also satisfies the Poetry distribution requirement.

190A. Individual Authors.

Intensive examination of works by individual authors. Topic: Carlos Williams. Satisfies the English Literature concentration; also satisfies the Senior Seminar distribution requirement. Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. May be repeated for credit.

190B. Studies in Early Modern British Literature.

Study of selected authors or issues in early modern British literature. Topic: English women writers; 1560-1690. Satisfies the British, English, and Pre- and Early Modern Studies Literature concentrations; also satisfies the Pre- and Early Modern and Senior Seminar distribution requirements. Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. May be repeated for credit.

French Literature

136. Introduction to Modernity.

Study of 19th- and 20th-century literary innovation and/or representations of sociohistorical events. Topic: poetry. Satisfies the French and Modern Literature concentrations. May be repeated for credit.

German Literature

164. Modern German Fiction.

Selected readings from the novel and novella in 20th-century German literature. Satisfies the German and Modern Literature concentrations.

Greek Literature

102. Greek Poetry.

Topic: Homer. Satisfies the Greek and Pre- and Early Modern Studies Literature concentrations; also satisfies the Poetry and Pre- and Early Modern distribution requirements. May be repeated for credit.

Latin Literature

103. Prose Authors.

Topic: Tacitus. Satisfies the Latin and Pre- and Early Modern Studies Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement. May be repeated for credit.

Italian Literature

102. Introduction to Italian Literature.

A close reading of a small number of texts (lyric, dramatic, narrative) representing the major authors and periods of Italian literature, with intensive practice in spoken and written Italian. Satisfies the Italian and Modern Literature concentrations.

Modern Literary Studies

103. Constructions of the Modern.

Definitions of the "modern" (after 1750) are developed within historically and culturally specific contexts. Satisfies the Modern Literature concentration.

125D. Cinema and Social Change in Latin America.

Surveys selected Latin American and Latino feature and documentary films from 1950 to the present. Topics include gender, sexuality, race and (trans)national identity, revolution, repression and resistance; migration, exile, and return. Topic for spring 2005: Cuba 1959 to Present. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

144I. Jews in Italy.

Examines major Jewish writers in Italy. Course materials include films, poetry, cultural documents. Satisfies the Modern Literature concentration. (Formerly *Jews in Italy: Writing and Witnessing the Holocaust*.) May be repeated for credit.

155A. Nineteenth-Century Russian Fiction in Translation.

Masterpieces of poetry and prose from the Golden Age of Russian literature, from Pushkin to Chekhov. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement.

190N. Topics in Modern Literary Studies.

Selected authors or issues in modern literary and cultural studies. Topic: (F) 20th-century French novel and society; (W) cross-cultural film theory. Satisfies the Modern Literature concentrations; also satisfies the Senior Seminar distribution requirement. Enrollment restricted to senior literature majors. May be repeated for credit.

270. Narrative Theory.

A survey of 20th-century narratology, emphasizing structuralist and poststructuralist theories of narrative. Topic: detective fiction. Enrollment restricted to graduate students.

Pre- and Early Modern Literature

104. Homer and Sappho.

Close reading of the *Iliad*, *Odyssey*, and fragments of Sappho and other lyric poets of the Archaic Age. Satisfies the Pre- and Early Modern Studies Literature concentration; also satisfies the Poetry and Pre- and Early Modern distribution requirements.

140. Satire.

An introduction to satire as both an individual genre with a unique literary history, and as a discursive technique present in other literary genres. Students will investigate a range of satiric works from the classical, early modern, and modern periods.

204. Studies in Early Modernity.

In-depth examination of a topic in Early Modern Studies. Topic: humans and humanism. Enrollment restricted to graduate students. May be repeated for credit.

Spanish Literature

117. Literatures of the Spanish-Speaking Caribbean.

By reading Puerto Rican, Cuban, and Dominican texts, explores questions of modernity and postmodernity, of cultural, political, gender, and racial identities, while also addressing the position of Caribbean literature within the Latin American literary canon. Satisfies the Modern, Spanish, and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

152. Spanish Golden Age Theater.

Studies in Spanish Golden Age theater. Topic for fall 2005: Teatro y Mujeres. Satisfies the Pre- and Early Modern Studies and Spanish Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement. Offered in alternate academic years.

223. Writing and Re-Writing of the Conquest and Colonial Period in Spanish America.

Study of 1) the writings (chronicles, memoirs, diaries, letters) comprising European and indigenous accounts of the encounter and indigenous, criolla, and mestiza writings during the colony; and 2) the re-writings of these events in contemporary post-colonial novels. Enrollment restricted to graduate students.

World Literature and Cultural Studies

135. Classical Chinese Culture and Literature, 10th Century B.C.E. through Sixth Century C.E.

Survey of writing and culture from the 10th century B.C.E. through the sixth century C.E., focusing on poetry, philosophical and historical writing, supernatural

fiction, Buddhist/Taoist texts in contexts of fragmentation, empire building, dynastic collapse, rebellion, emmitism, and courtly society. Satisfies the Pre- and Early Modern and World Literature concentrations; also satisfies the Global, Poetry, and Pre- and Early Modern distribution requirements. (Also offered as History 151. Students cannot receive credit for both courses.) (General Education Code(s): E.)

190A. Topics in World Literature and Cultural Studies.

Topics for 2004–2005: (F) The Black Fantastic: Fantasy and Speculative Fiction in the African Diaspora; (W) Key Concepts in Latino American Critical Theory; (S) Postcolonial Writing. Satisfies the Modern and World Literature concentrations; also satisfies the Global and Senior Seminar distribution requirements. Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. May be repeated for credit. (General Education Code(s): E.)

201. Theory and Methods.

Global theories of history and cultural production. Topics: (F) theory of the novel; (W) nationalism and culture. Enrollment restricted to graduate students. May be repeated for credit.

Mathematics

2. College Algebra for Calculus.

Operations on real numbers, complex numbers, polynomials, and rational expressions; exponents and radicals; solving linear and quadratic equations and inequalities; functions, algebra of functions, graphs; conic sections; mathematical models; sequences and series. Prerequisite(s): score of 12 or higher on Mathematics Placement Exam or equivalent course.

3. Precalculus.

Inverse functions and graphs; exponential and logarithmic functions, their graphs, and use in mathematical models of the real world; rates of change; trigonometry, trigonometric functions, and their graphs; and geometric series. Students cannot receive credit for both course 3 and Applied Mathematics and Statistics 3. Applied Mathematics and Statistics 3 can substitute for course 3. Prerequisite(s): course 2 or sufficiently high score on Mathematics Placement Exam. (General Education Code(s): Q.)

11A. Calculus with Applications.

A modern course stressing conceptual understanding, relevance, and problem solving. The derivative of polynomial, exponential and trigonometric functions of a single variable is developed and applied to a wide range of problems involving graphing, approximation, and optimization. Students cannot receive credit for both this course and course 19A or Applied Mathematics and Statistics 11A or Economics 11A. Prerequisite(s): course 2B or 3 or Applied Mathematics and Statistics 3 or score of 31 on Mathematics Placement Exam. (General Education Code(s): IN, Q.)

11B. Calculus with Applications.

A modern course stressing conceptual understanding, relevance, and problem solving. Starting with the fundamental theorem of calculus and related techniques, the integral of functions of a single variable is developed and applied to problems in geometry, probability, physics, and differential equations. Polynomial approxi-

mations, Taylor series, and their applications conclude the course. Students cannot receive credit for this course and course 19B. Prerequisite(s): course 11A. (General Education Code(s): IN, Q.)

19A. Calculus for Science, Engineering, and Mathematics.

The limit of a function, calculating limits, continuity, tangents, velocities, and other instantaneous rates of change. Derivatives, the chain rule, implicit differentiation, higher derivatives. Exponential functions, inverse functions, and their derivatives. The mean value theorem, monotonic functions, concavity, and points of inflection. Applied maximum and minimum problems. Students cannot receive credit for this course and course 11A or Applied Mathematics and Statistics 11A or Economics 11A. Prerequisite(s): course 2B or 3 or Applied Mathematics and Statistics 3 or score of 40 or higher on Mathematics Placement Exam. (General Education Code(s): IN, Q.)

19B. Calculus for Science, Engineering, and Mathematics.

The definite integral and the fundamental theorem of calculus. Areas, volumes. Integration by parts, trigonometric substitution, and partial fractions methods. Improper integrals. Sequences, series, absolute convergence and convergence tests. Power series, Taylor and Maclaurin series. Students cannot receive credit for both this course and course 11B. Prerequisite(s): course 19A. (General Education Code(s): IN, Q.)

20A. Honors Calculus.

Challenging course designed to approach single variable calculus from the perspective of modern mathematics. Emphasis is on the evolution and historical development of core concepts underlying calculus and analysis. Prerequisite(s): advanced placement (AP) score of 4 on either the AB or BC exams or score of 46 on Mathematics Placement Exam. Enrollment limited to 30. (General Education Code(s): IN, Q.)

21. Linear Algebra.

Systems of linear equations, matrices, determinants. Introduction to abstract vector spaces, linear transformation, inner products, geometry of Euclidean space, and eigenvalues. One quarter of college mathematics is recommended as preparation. (General Education Code(s): Q.)

22. Introduction to Calculus of Several Variables.

Functions of several variables. Continuity and partial derivatives. The chain rule, gradient and directional derivative. Maxima and minima, including Lagrange multipliers. The double and triple integral and change of variables. Surface area and volumes. Applications from biology, chemistry, earth sciences, engineering, and physics. Prerequisite(s): course 11B or 19B or 20B.

23A. Multivariable Calculus.

Vectors in n-dimensional Euclidean space. The inner and cross products. The derivative of functions from n-dimensional to m-dimensional Euclidean space is studied as a linear transformation having matrix representation. Paths in 3-dimensions, arc length, vector differential calculus. Taylor's theorem in several variables, extrema of real-valued functions, constrained extrema and Lagrange multipliers, the implicit function

theorem, some applications. Prerequisite(s): course 19B or 20B.

23B. Multivariable Calculus.

Double integral, changing the order of integration. Triple integrals, maps of the plane, change of variables theorem, improper double integrals. Path integrals, line integrals, parametrized surfaces, area of a surface, surface integrals. Green's theorem, Stokes theorem, conservative fields, Gauss' theorem. Applications to physics and differential equations, differential forms. Prerequisite(s): course 23A.

30. Mathematical Problem Solving.

Students learn techniques of problem solving such as induction, contradiction, exhaustion, dissection, analogy, generalization, specialization, and others in the context of solving problems drawn from number theory, probability, combinatorics, graph theory, geometry, and logic. Prerequisite(s): course 11A or 19A or 20A or Math Placement Exam score of 40 or higher.

100. Introduction to Proof and Problem Solving.

Students learn the basic concepts and ideas necessary for upper-division mathematics and techniques of mathematical proof in the context of specific topics. Introduction to sets, relations, elementary mathematical logic, proof by contradiction, mathematical induction, and counting arguments. Prerequisite(s): courses 11A and 11B or 19A and 19B or 20A and 20B. Enrollment limited to 40.

103. Complex Analysis.

Complex numbers, analytic and harmonic functions, complex integration, the Cauchy integral formula, Laurent series, singularities and residues, conformal mappings. Prerequisite(s): course 23B; and either course 100 or Computer Science 101.

106A. Systems of Ordinary Differential Equations.

Linear systems, exponentials of operators, existence and uniqueness, stability of equilibria, periodic attractors, and applications. Prerequisite(s): either Applied Mathematics and Statistics 27 or preferably courses 21 and 24; and either course 100 or Computer Science 101.

111A. Algebra.

Group theory including the Sylow theorem, the structure of abelian groups, permutation groups. Introduction to rings and fields including polynomial rings, factorization, the classical geometric constructions, and Galois theory. Prerequisite(s): course 21 or Applied Mathematics and Statistics 27 and either course 100 or Computer Science 101.

112. Mathematical Probability Theory.

Introductory probability course for mathematicians, designed as a prerequisite for advanced probability courses at the graduate level. Moving from elementary topics of probability spaces and random variables, independent identical trials, the law of large numbers, the Demoiivre-Laplace central limit theorem, also includes basic Martingale theory, finite Markov chains, percolations, and branching processes. Prerequisite(s): course 21 and 23B.

124. Introduction to Topology.

Topics include introduction to point set topology (topological spaces, continuous maps, connectedness, com-

compactness), homotopy relation, definition and calculation of fundamental groups and homology groups, Euler characteristic, classification of orientable and nonorientable surfaces, degree of maps, and Lefschetz fixed point theorem. Prerequisite(s): course 100; course 111A recommended.

128A. Classical Geometry: Euclidean and Non-Euclidean.

Rigorous foundations for Euclidean and non-Euclidean geometries. History of attempts to prove the parallel postulate and of the simultaneous discovery by Gauss, J. Bolyai, and Lobachevsky of hyperbolic geometry. Consistency proved by Euclidean models. Classification of rigid motions in both geometries. Prerequisite(s): either course 100 or Computer Science 101.

145. Introductory Chaos Theory.

The Lorenz and Rossler attractors, measures of chaos, attractor reconstruction, applications from the sciences. Concurrent enrollment in course 145L is required. Students cannot receive credit for this course and Applied Mathematics and Statistics 146. Prerequisite(s): course 22 or 23A; course 21; course 100 or Computer Science 101. Concurrent enrollment in course 145L is required.

145L. Introductory Chaos Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 145. One three-hour session per week in microcomputer laboratory. Concurrent enrollment in course 145 is required.

200. Algebra I.

Subgroups, cosets, normal subgroups, homomorphisms, isomorphisms, quotient groups, free groups, generators and relations, group actions on a set. Sylow theorems, semidirect products, simple groups, nilpotent groups, and solvable groups. Ring theory: Chinese remainder theorem, prime ideals, localization. Euclidean domains, PIDs, UFDs, polynomial rings. Prerequisite(s): courses 111A and 117 are recommended. May be repeated for credit.

203. Algebra IV.

Topics include tensor product of modules over rings, projective modules and injective modules, Jacobson radical, Wedderburn's theorem, category theory, Noetherian rings, Artinian rings, affine varieties, projective varieties, Hilbert's Nullstellensatz, prime spectrum, Zariski topology, discrete valuation rings, and Dedekind domains. (Formerly course 208.) Prerequisite(s): courses 200, 201, and 202.

204. Analysis I.

Completeness and compactness for real line, sequences and infinite series of functions, Fourier series, calculus on Euclidean space and implicit function theorem, metric spaces and contracting mapping theorem, Arzela-Ascoli theorem, basics of general topological spaces, Baire category theorem, Urysohn lemma, and Tychonoff theorem. (Formerly course 203.) Prerequisite(s): course 105A or equivalent; course 105B is recommended.

208. Manifolds I.

Definition of manifolds, tangent bundle, inverse and implicit function theorems, transversality, Sard's theorem and the Whitney embedding theorem, differential forms, exterior derivative, Stokes theorem, integration, vector fields, flows, and Lie bracket, Frobenius's theo-

rem. Course 204 recommended for preparation. (Formerly course 234A, *Calculus on Manifolds*.)

223B. Algebraic Geometry II.

A continuation of course 223A. Topics include theory of schemes and sheaf cohomology, formulation of Riemann-Roch theorem, birational maps, theory of surfaces. Weekly problem solving. Course 223A is recommended as preparation.

225A. Lie Algebras.

Basic concepts of Lie algebras, Engel's theorem, Lie's theorem, Weyl's theorem are proved. Root space decomposition for semi-simple algebras, root systems and the classification theorem for semi-simple algebras over the complex numbers. Isomorphism and conjugacy theorems. Course 202 is recommended as preparation.

292. Seminar (no credit).

A weekly seminar attended by faculty, graduate students, and upper-division undergraduate students. All graduate students are expected to attend.

Music

1A. Women's Chorale (2 credits).

Study of vocal and choral techniques in the context of ensemble rehearsals, often culminating in public performance. Repertoire to include varied works for treble choir, both a cappella and with instrumental accompaniment. Familiarity with basic music notation recommended. Some additional rehearsal time, both individually and with the group is required. Admission by audition with conductor prior to first class meeting. See enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

1C. University Concert Choir (2 credits).

A study of selected works for mixed chorus, with emphasis on masterworks for chorus and orchestra, culminating in one or more public concerts. Familiarity with basic music notation recommended. Admission by audition with conductor prior to first class meeting. See enrollment conditions section of the quarterly Schedule of Classes. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): A.)

2. University Orchestra (2 credits).

A study of selected works for orchestra, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting. See enrollment conditions section of the quarterly Schedule of Classes. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): A.)

3. Large Jazz Ensemble (2 credits).

Instruction in performance in large jazz ensembles with written arrangements. Prepares a specific repertoire for public performance. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Students are billed a materials fee. Enrollment limited to 25. May be repeated for credit. (General Education Code(s): A.)

4A. Latin American Ensemble: "Voces" (2 credits).

Instruction in diverse musical traditions, and their culturally-grounded performance contexts, of Native

American, Ibero-American, and African American music cultures of Latin America, including texted music in Spanish and Quechua or other regional languages. The class forms an ensemble that prepares varying cultural and national repertoires for public performance. Some Spanish language ability is recommended. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 25. May be repeated for credit. (General Education Code(s): A.)

4B. Latin American Ensemble: "Taki Ñan" (2 credits).

Development of Latin American, Native American, Ibero-American, African American, and/or Nueva Canción (New Song) repertoire in a small ensemble setting. Three quarters of course 4A or previous enrollment in course 4B required prior to enrolling in this course. Admission by audition with instructor at first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 10. May be repeated for credit. (General Education Code(s): A.)

5A. West Javanese Gamelan Ensemble: Beginning (2 credits).

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

5B. West Javanese Gamelan Ensemble: Intermediate (2 credits).

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

5C. West Javanese Gamelan Ensemble: Advanced (2 credits).

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

9. Wind Ensemble (2 credits).

A study of selected advanced-level works for wind ensemble, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): A.)

11A. Introduction to Western Music.

A study of selected masterworks in relation to the periods which they represent. Emphasis upon the listening experience and awareness of musical style and structure. Illustrated lectures and directed listening. (Formerly course 11.) (General Education Code(s): IH, A.)

11B. Introduction to Jazz.

Designed to provide students with thorough and comprehensive background in history and roots of jazz as a musical style from its African roots to the present. Essential jazz styles and traditions are discussed through

lectures, required listening, readings, lecture demonstrations, and film presentations. (Formerly course 80E, *History of Jazz*.) (General Education Code(s): H, A, E.)

13. Beginning Theory and Musicianship I.

Fundamentals of music and notation. Major, minor scales, intervals, triads, and inversions, root-position 7th chords, and the beginning harmonic analysis. Emphasis on the development of the ear and coordination. Exercises of pulse, rhythm, pitch, and coordination. Dictation and sight singing. Enrollment restricted to first-year students, sophomores, and juniors. Enrollment limited to 35.

30A. Theory, Literature, and Musicianship I.

Integrated musicianship, theory, and analysis. Species counterpoint and fundamentals of tonal harmony. Analysis of literature from the Middle Ages and Renaissance. Ear-training, taught in smaller sections, emphasizes recognition of triad and dominant-seventh inversions, dictation of diatonic melodies, and aural analysis of simple diatonic interval and chord progressions. Concurrent enrollment in 30L required. Enrollment limited to 20.

30L. Theory, Literature, and Musicianship I Laboratory (2 credits).

Keyboard (score-reading, figured-bass, progressions, chorales) and musicianship (sight-singing, intervals, chords, rhythm) laboratory sequence illustrating topics covered in course 30A. Two 1-hour laboratory sessions per week. Concurrent enrollment in course 30A required; concurrent enrollment in course 60 also required for students without adequate prior keyboard training. Enrollment limited to 6.

51. Vocal Repertoire Class (2 credits).

The study and performance of vocal repertoire from 1400 to the present, including solo song, oratorio, opera, ensemble music. Emphasis is given to the development of effective performance skills, culminating in public performance. Attend first class meeting; concurrent enrollment in individual voice lessons with instructor of this course is required. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

54. North Indian Music Workshop (2 credits).

A course covering the music of North India taught using the oral traditions of Indian music. For beginners as well as more experienced students, this course is well suited for instrumentalists and vocalists. Interview; instructor determination at first class meeting. May be repeated for credit. (General Education Code(s): A.)

60. Group Instruction in Piano (2 credits).

Elementary instruction in piano technique, including group and individual performance experience. A minimum of six hours per week of individual practice is required. Curriculum is coordinated with keyboard requirements of courses 30A-B-C. Students are billed for a course fee. Instructor determination prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 8. May be repeated for credit.

80C. History, Literature, and Technology of Electronic Music.

This survey of electronic music from previous centuries to the present studies the works and aesthetics of important composers, acoustics, musical perception, the effects of technological innovation on cultural evolution, and the development of synthesizers and computer music. (General Education Code(s): T6-Natural Sciences or Humanities and Arts, A.)

80U. Verdi in the Synagogue: Italian Culture and Jewish Music.

Examination of blend of cultures permeating Italian Jewish experience as reflected in music from Renaissance to present: European and Mediterranean Jewish traits, Italian folk and art music, including opera. Course intersects musicology, ethnomusicology, and anthropology. Satisfies the Jewish studies and Italian studies concentrations. Enrollment limited to 40. (General Education Code(s): T4-Humanities and Arts, A, E.)

80X. Music of India.

A survey course in Hindustani (North Indian) and Karnatak (South Indian) music covering the Raga (modal system) and Tala (metric system) as they have developed in the two traditions. Consideration is given to the historical development of the music, from Vedic chanting to the modern Raga system; social functions of the music throughout history; and instrumental and vocal forms with an emphasis on listening. (General Education Code(s): T4-Humanities and Arts, A, E.)

100A. Theory, Literature, and Musicianship II.

Tonal counterpoint and advanced tonal analysis. Techniques of 18th-century counterpoint and compositional practice. Advanced concepts in harmony, form, and the structure of melody in tonal music. Prerequisite(s): courses 30C and 30N and Piano Proficiency Exam. Enrollment limited to 20.

101C. History of Western Art Music.

Third quarter of a four quarter detailed chronological study of Western art music from antiquity to the present. Coordinated lectures, readings, listening assignments, and analysis of representative works: Classical and Romantic. Prerequisite(s): course 30C.

102. University Orchestra (2 credits).

A study of selected works for orchestra, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting; see the enrollment conditions section of the quarterly schedule of classes. Enrollment restricted to juniors and seniors. May be repeated for credit.

111B. Seminar in Jazz Analysis.

Analytic exploration of the evolution of "jazz" in America. The process involves independent listening, analysis, transcription, weekly seminar discussions, and oral presentation to students in course 11B. Prerequisite(s): course 30B and course 11B (formerly course 80E). Enrollment limited to 20.

125. Advanced Electronic Sound Synthesis.

Continuing study in the electronic music studio, with concentration on compositional development. Includes advanced applications of skills developed in courses 123 (former course 81) and 124, expansion of background

knowledge and relevant electroacoustical studies. Prerequisite(s): course 124. Enrollment limited to 25.

130. Orchestration.

A study of the nature of each instrument of the orchestra. Scoring for various small instrumental combinations, culminating in a transcription for full orchestra. Prerequisite(s): course 30C. Enrollment limited to 15.

159A. Opera Workshop (2 credits).

A workshop for singers, accompanists, and directors, the course develops a wide variety of skills related to opera through scenework. Attention will be given to movement, acting, coaching, and operatic stage-directing technique. Instruction culminates in studio productions of scenes from operas and musicals. Admission by permission of vocal instructor, or by audition with instructor prior to first class meeting. Students are billed a materials fee. Enrollment limited to 30. May be repeated for credit. (General Education Code(s): A.)

159B. Opera Workshop (3 credits).

A workshop for singers, accompanists, and directors, the course develops a wide variety of skills related to opera through scenework. Attention will be given to movement, acting, coaching, and operatic stage-directing technique. Instruction culminates in studio productions of scenes from operas and musicals. Admission by permission of vocal instructor, or by audition with instructor prior to first class meeting. Students are billed a materials fee. Enrollment limited to 30. May be repeated for credit. (General Education Code(s): A.)

164. Jazz Ensembles (2 credits).

Instruction in combo performance and techniques of the jazz idiom. The class forms several ensembles that prepare a specific repertory for public performance. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit.

166. Chamber Singers (2 credits).

The study of selected works for small vocal ensemble from the fifteenth through twentieth centuries, with performances on and off campus throughout the academic year. Students must have demonstrated vocal and music reading skills. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): A.)

167. Workshop in Electronic Music (2 credits).

Continuing studio work in electronic music. Students carry out individual projects, meeting in weekly seminar to share problems and discoveries. Relevant advanced topics are covered, including new developments in the art. Prerequisite(s): course 124. Enrollment limited to 20. May be repeated for credit.

200. Introduction to Research Methods.

Practical introduction to graduate study in music focusing on research methods, music sources and bibliography, techniques of scholarly writing, and critical readings in the discipline. Culminates in a public oral presentation on the model of a professional conference paper.

203G. Concepts, Issues, and the Practice of Ethnomusicology.

Ethnomusicological field methodology; vocal and instrumental performance practices as related to the ethnomusicological endeavor. Specific topics: philosophical paradigms, historical overview, and definitional issues of ethnomusicology; field research concepts and procedures; studies in instrumental and vocal performance practices of diverse cultures; selected writings of Charles Seeger; transcription and analysis issues; studies in micromusics. Offered on a rotational basis with other courses in the 203 series.

219A. Techniques in Composition (2 credits).

Short compositional exercises incorporating diverse contemporary techniques with emphasis on problem solving and development of compositional skills. Exercises focus on particular strategies for organizing and coordinating aspects of pitch, rhythm, timbre, and other musical dimensions, depending on interests of instructor and students. Enrollment restricted to graduate students. May be repeated for credit. H. Kim

224. Cognitive Approaches to Music, Theater, and Film.

Overview of theories of cognition applied to perception and cognition of music, theater, film and other arts similarly distributed in time. Concentrates on principles of time, memory, invariance, rhythm, and form. Begins with basic debates in field of human information processing, including role of attention, perception, various types of memory, semiotics, and social identity followed with critical survey of empirical approaches to cognition in the arts. Explore and apply principles of cognition in relation to analytical or creative project of choice. (Also offered as Digital Arts and New Media 224. Students cannot receive credit for both courses.) Prerequisite(s): Digital Arts and New Media 201 and 202 or permission of instructor. Enrollment restricted to graduate students. Enrollment limited to 17.

Ocean Sciences

1. The Oceans.

An interdisciplinary introduction to oceanography focusing on biological, chemical, geological, and physical processes. Covers topics such as origins and structure of planet Earth and its oceans, co-evolution of Earth and life, plate tectonics, liquid water and the hydrologic and hydrothermal cycles, salinity and elemental cycles, ocean circulation, primary production and nutrient cycles, plankton and nekton, life on the sea floor, near shore and estuarine communities, future environmental problems our oceans face. Students may also enroll in and receive credit for Earth Sciences 1. (Note: General Education credit will not be granted for this course and Biology 80D.). (General Education Code(s): IN, Q.)

80A. Life in the Sea.

The ecology of plants and animals in oceans and coastal areas. Consideration of life in various marine habitats, including the open ocean, rocky shores, estuaries, and the sea. Includes field trips. High school biology and chemistry courses are recommended prior to taking this course. (General Education Code(s): T2-Natural Sciences.)

200. Physical Oceanography.

Introduction to the physics of the ocean-atmosphere system. Structure of the ocean and atmosphere. Energy balance and radiative transfer. Atmospheric circulation; weather and climate. Physical properties of seawater, air-sea interaction, mixing, water masses, ocean circulation, waves; CO₂ and global change. Designed for beginning graduate students in ocean sciences and upper-division science majors. Calculus and physics recommended as preparation.

280. Marine Geology.

Geology of the marine environment. Topics include controls on the types, origin, and distribution of marine sediments; geology of oceanic crust; evolution of continental margins and plate boundaries; introduction to paleoceanography. Students cannot receive credit for this course and Earth Sciences 102. Enrollment restricted to graduate students.

285. Past Climate Change.

Reviews the fundamentals of climate dynamics and explores how Earth's environment is a product of the interaction of its components. Uses examples of climate change from historical and geologic records, and from predictions of the future. Recommended for junior, senior, and graduate students in the sciences. (Formerly *Climate Change*.)

292. Seminar (no credit).

Weekly seminar on various topics attended by faculty, graduate, and upper-division undergraduate students.

296. Teaching in Ocean Sciences (2 credits).

For new and/or relatively inexperienced graduate students in pedagogy of ocean sciences. Role and responsibilities of teaching in ocean sciences described and developed. Includes discussions about effective teaching methods; hands-on issues for work in the laboratory; university expectations; and regulations regarding teaching, organizational strategies, time management, and working with instructors and staff. Prerequisite(s): graduate standing or permission of instructor. Enrollment restricted to graduate students.

Philosophy

9. Introduction to Logic.

A study of correct reasoning, concentrating on developing the skills necessary to distinguish logically correct from logically incorrect arguments. The emphasis is on modern symbolic logic, although the traditional theory of the syllogism is also covered. (General Education Code(s): IH, Q.)

11. Introduction to Philosophy.

An introduction to the main areas of philosophy using both classic and contemporary sources. Focuses on central and enduring problems in philosophy such as skepticism about the external world, the mind-body problem, and the nature of morality. (General Education Code(s): IH.)

22. Introduction to Ethical Theory.

A consideration of ethical issues and theories focusing on the foundation of moral value and the principles governing character and behavior. Designed to extend and develop the student's abilities in philosophical reasoning about ethics. (General Education Code(s): IH.)

91. Ancient Greek Philosophy.

A study of Socratic method, of Platonic metaphysics, epistemology, and ethical theories, and of Aristotle's moral and political views through intensive reading of selected Platonic dialogues and Aristotelian texts.

111. Continental Philosophy.

Study of recent work in continental philosophy. Topics vary. Enrollment restricted to junior and senior philosophy majors.

121. Knowledge and Rationality.

An investigation of modern theories of knowledge, justification, and rationality. One course in philosophy is strongly recommended prior to taking this course.

133. Philosophy of Mind.

An exploration of the mind-body problem. What is the relationship between mind and brain? Can consciousness be explained in physical terms? Prerequisite(s): one course in philosophy.

180H. Philosophy Colloquia (2 credits).

A colloquia series that sponsors four speakers each quarter. Students required to attend all colloquia and class meetings and encouraged to form discussion groups after each lecture. Enrollment restricted to philosophy majors. May be repeated for credit.

190S. Philosophy of Science.

An examination of a topic in current philosophy of science. The material for the course is chosen from topics such as realism and instrumentalism, scientific explanation, space and time, and the confirmation of theories. Prerequisite(s): course 9. Enrollment restricted to junior and senior philosophy majors. Enrollment limited to 20. May be repeated for credit.

190Z. Moral Psychology.

An interdisciplinary seminar on topics in moral psychology: moral development, moral education, and moral personality. There are empirical questions: e.g., how do developing persons develop moral concern, and what facilitates this development? But inescapably normative questions quickly arise: e.g., what is properly moral concern, and what, if anything, makes some forms of moral concern "more developed" than others? The aim is to make sense of both sorts of questions, and see their interaction. Prerequisite(s): one psychology course, and course 22 or 24 or permission of instructor. Enrollment restricted to senior and junior philosophy majors. Enrollment limited to 20.

201. First Quarter Seminar.

First quarter required course for philosophy graduate students. Introduces the work of the philosophy faculty members to the new graduate students. Helps new students form a cohort. Each week different faculty members will visit the class and discuss materials of their own as well as materials or topics that they study. Enrollment restricted to graduate philosophy majors.

236. On Insults.

What is the role of insult in social and legal life (from play to jokes to ritual to war and from blasphemy to defamation to hate speech)? Emphasizes philosophical, anthropological, psychoanalytic, and legal approaches to the issues. (Also offered as Anthropology 236. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 20.

Physical Education

5A. Aquatics: Swimming Level I (no credit).

Coeducational. Water exploration and primary skills development. Course is designed to teach only "non-swimmers" how to swim. The following is taught: Red Cross swimming instruction in overcoming fears, water adjustment, floating, breath holding, and rhythmic breathing. Skills to be learned are: water entries, sculling, treading, elementary backstroke, freestyle, methods of water safety, and survival techniques. Prerequisite(s): instructor determines skill level at first class meeting. Enrollment limited to 15. May be repeated for credit.

5B. Aquatics: Swimming Level II (no credit).

Coeducational. Stroke readiness and development. Course is for those who have completed Swimming Level I or who can swim freestyle and demonstrate elementary backstroke. Skills to be learned are underwater swimming, turns, improvement of freestyle and elementary backstroke, beginning side stroke, backstroke, breaststroke, diving, personal safety skills, and basic rescue techniques. Prerequisite(s): instructor determines skill level at first class meeting: pass Swimming Level I course or demonstrate equivalent skills. Students pay a course fee. Enrollment limited to 20. May be repeated for credit.

5C. Aquatics: Swimming Level III (no credit).

Coeducational. Stroke refinement and skill proficiency. Course teaches refinement of basic strokes and introduces butterfly, plus backstroke, surface diving, turns, endurance swimming, and survival techniques. Prerequisite(s): instructor determines skill level at first class meeting: pass in Swimming Level II course or possess equivalent skills in freestyle, sidestroke, elementary backstroke, and breaststroke. Enrollment limited to 30.

5E. Aquatics: Lifeguard Training (LT) (no credit).

Red Cross certified lifeguard training. Provides the necessary minimum skills training to qualify as a non-surf lifeguard. Certification includes CPR Pro, AED, PDT, D2, ADMIN, and Title 22 First Aid. Candidates must successfully pass final skill tests and written final exam with 80 percent score. Students are billed for a course fee. Prerequisite(s): must have ability to swim 500 yards in ten minutes, tread water for one minute, strong swimming skills in free, back, breast, side, and elementary backstroke; must purchase Red Cross LT text book. Enrollment limited to 20.

5G. Aquatics: Swimming/Conditioning (no credit).

Open to all students who wish to explore swimming as a conditioning and fitness exercise. Students should know three competitive strokes, and should be able to swim fifteen minutes without stopping. Short health and fitness lectures precede some classes. Prerequisite(s): instructor determination at first class meeting. Enrollment limited to 40. May be repeated for credit.

5R. Aquatics: Basic Scuba Diving (no credit).

Coeducational. Sections geared toward the successful completion of NAUI Scuba Diver Certification. The course is divided into three parts: lecture, pool lab, and open water experience. Four open water training dives are offered. Emphasis is on training for open water scuba diving, using the beach as a base of operation. Students

pay a course fee. Prerequisite(s): pass swimming skills tests and medical clearance. It is strongly recommended that students enroll in course 5S. Enrollment limited to 24. May be repeated for credit.

5T. Aquatics: Advanced Scuba Diving (no credit).

Coeducational. Sections are offered to facilitate the development of the basic scuba diver's open water techniques. A minimum of six open water experiences is offered. Course is geared toward successful completion of NAUI Advanced Scuba Diver Certification. Students pay a course fee. Prerequisite(s): course 5R or pass swimming skills test and medical clearance. Enrollment limited to 25.

5U. Aquatics: Scuba Instruction (no credit).

Coeducational. A course designed for the experienced scuba student who wishes to assist with the scuba instruction program at UCSC. Topics covered include teaching techniques, skin and scuba techniques, rescue techniques, and safety procedures. Specialty labs also offered in conjunction with course which cover a variety of diving skills. Students are required to enroll in one lab section per quarter. Supervised teaching experience is also provided. Prerequisite(s): Basic Scuba Certification and special prerequisite checking by instructor. Enrollment limited to 30. May be repeated for credit.

9B. Boating: Basic Sailing (no credit).

Coeducational. Introductory course in practical boating safety using 15-foot, two-person sailboats. Satisfactory completion meets prerequisites for intermediate-level sailing courses (dinghy or keelboat). Includes an introduction to rigging, nomenclature, seamanship, proper boat handling techniques, and general boating and aquatic safety. Students pay a course fee. Prerequisite(s): swimming ability. Enrollment limited to 18.

9C. Boating: Intermediate Sailing (no credit).

Coeducational. Offered for both dinghy and keelboat. Dinghy section includes a review of basic sailing with an emphasis on the further development and refinement of small boat sailing techniques. Fifteen-foot, two-person sailboats are used. Keelboat section includes an introduction to rigging, handling, and sailing of the heavier displacement Moore-24 sloops. Boating safety and seamanship stressed. Students pay a course fee. Prerequisite(s): course 9B or equivalent skills. Enrollment limited to 16.

9E. Boating: Competitive Sailing (no credit).

Coeducational. Instruction and coaching at the advanced sailing level in racing dinghies and keelboats. Emphasis on the physical and mental requirements for racing sailboats and the technical aspects of sail racing. Students will be involved in intercollegiate competition. Prerequisite(s): advanced sailing ability.

9H. Boating: Intermediate Rowing (no credit).

Coeducational intermediate course designed to cover more advanced rowing techniques and the skills needed for safe open water rowing. Students pay a course fee. Prerequisite(s): basic rowing or permission of instructor. Enrollment limited to 11.

9J. Boating: Basic (no credit).

Coeducational. Course designed to cover types of row-

ing boats, nomenclature, fundamental skills, and specific safety and rescue aspects related to the activity. Students will row singly as well as in groups using 15-foot to 22-foot rowing dories. Students pay a course fee. Prerequisite(s): swimming ability. Enrollment limited to 12.

15B. Court Sports: Basketball (no credit).

Coeducational. Instruction in fundamentals, offensive and defensive strategies, rules, and conditioning designed primarily for beginning and intermediate level players. Enrollment limited to 20.

15H. Court Sports: Racquetball (no credit).

Coeducational. The beginning section provides an introduction to the basic knowledge and skills involved in this indoor racquet sport. The advanced beginning section continues the development of the basic skills emphasizing increased shot variety and advanced strategy. The intermediate section offers the opportunity for further skill development and introduces more advanced offensive skills. Enrollment limited to 18.

15N. Court Sports: Tennis (no credit).

Coeducational. The beginning section introduces the basics of forehand, backhand, and serve. Advanced beginning section reviews these basics and introduces the volley, overhead, and lob. The intermediate section reviews all stroke mechanics and covers basic singles and doubles strategy. The advanced section includes use of spins, practice principles, detailed stroke analysis, and advanced play situations. Competitive Tennis is a year-long program for members of the intercollegiate tennis teams. Students pay a course fee. Enrollment limited to 24.

15T. Court Sports: Volleyball (no credit).

Coeducational. Beginning/intermediate, intermediate, and advanced sections are offered for students who desire to learn and improve the basic skills, as well as to understand the rules. Competitive section is open to students interested in participation in the UCSC NCAA Women's Volleyball team. It covers information and practice in all aspects of the competitive volleyball season. Enrollment limited to 25.

20A. Dance: Ballet (no credit).

Coeducational. Sections offered at various technical levels graded from I to III. Emphasis on principles of movement, style, and execution of ballet technique. Section in ballet repertory where advanced students have the opportunity to perform is offered in the spring quarter. Students pay a course fee. May be repeated for credit.

20B. Folk Dance International (no credit).

Coeducational. International folk dance with an emphasis on Balkan and Israeli dances. Sections are also offered periodically in Mexican dance.

20C. Dance: Jazz (no credit).

Coeducational. Sections offered at various technical levels graded from I to III. Exploration of jazz dance emphasizing basic technique, styling, rhythm, and isolations. Jazz and contemporary music is used as accompaniment. Some background in ballet strongly recommended before continuing to Jazz II or III. Section in jazz dance repertory where advanced students have the opportunity to perform is offered in spring quarter. Students pay a course fee. Enrollment limited to 40. May be repeated for credit.

20D. Dance: Modern (no credit).

Coeducational. Sections offered at various technical levels graded from I to III. Emphasis on basic techniques and building phrases of movement. Section in choreography and improvisation offered in spring quarter. Section in dance repertory offered periodically. Students pay a course fee. May be repeated for credit.

20F. Dance: Individual Studies in Dance (no credit).

Coeducational. Designed to give students the opportunity of pursuing their particular interests in the field of dance with the support and direction of a faculty member. Prerequisite(s): instructor determination at first class meeting.

25A. Fencing: Épée (no credit).

Coeducational. Basic instruction in the techniques, strategy, and general methodology of modern épée fencing. Emphasis on épée fencing as a development from the traditional French and Italian dueling sword styles as they have evolved to form the modern electrical épée game. Students pay a course fee.

25B. Fencing: Foil (no credit).

Coeducational. Instruction in modern competitive French-Italian foil techniques for beginning, intermediate, and advanced levels. Emphasis on physical and mental conditioning leading to improved skill in recreational and competitive areas of involvement. Students pay a course fee.

25C. Fencing: Sabre (no credit).

Coeducational. Instruction and practice in basic offensive and defensive skills of modern Hungarian sabre technique. Emphasis on physical and mental conditioning as a foundation for more advanced levels of instruction. Preparation for recreational and competitive involvement. Students pay a course fee.

28J. Field Sports: Rugby Football (no credit).

Coeducational. Instruction and drills for persons with little or no playing experience. Course covers physical conditioning, basic fundamentals, rules, strategy, and preparatory development for sports clubs.

28K. Field Sports: Soccer (no credit).

Coeducational/Women's. Sections are offered in field soccer and indoor soccer. Instruction in the basic techniques, tactics, laws of the game, and injury prevention for beginners and advanced players. Prerequisite(s): determination at first class meeting.

30G. Fitness Activities: Physical Conditioning (no credit).

Coeducational. An exercise course designed to increase the participants' strength, flexibility, coordination, and cardiovascular endurance. Special attention is given to understanding and utilizing sound and safe principles of body alignment and movement. May be repeated for credit.

30H. Fitness Activities: T'ai Chi Ch'uan (no credit).

Through balanced movement and breath control, T'ai Chi Ch'uan attempts to forestall many processes of aging by cultivating greater strength of body, mind, and spirit.

30J. Fitness Activities: Weight Training (no credit).

Coeducational. An introduction to safe and effective

methods of using weight training and other personal conditioning activities. Topics covered include proper weight training techniques, care of body and equipment, and elementary exercise physiology. May be repeated for credit.

30L. Fitness Activities: Yoga Exercises (no credit).

Coeducational. Sections offered at beginning, continuing beginning, and advanced beginning levels of Hatha Yoga. May be repeated for credit.

43A. Martial Arts: Aikido (no credit).

Coeducational. A nonviolent, noncompetitive Japanese martial art emphasizing mind-body harmony, balance, relaxation, and the understanding of vital energy. Aikido self-defense techniques aim toward the creative resolution of conflict and the growth of the individual. Sections offered at beginning and experienced levels. May be repeated for credit.

43G. Martial Arts: Tae Kwon Do (Karate) (no credit).

Coeducational. Sections offered at the beginning and intermediate/advanced levels. Covering basic skills, knowledge, and philosophy of Tae Kwon Do and providing instruction in the following aspects of martial arts study: fundamental techniques of self-defense, physical conditioning, emotional control, self-discipline, and self-confidence. Enrollment limited to 35.

Physics

5A. Introduction to Physics I.

Elementary mechanics. Vectors, Newton's laws, inverse square force laws, work and energy, conservation of momentum and energy, and oscillations. Corequisite(s): concurrent enrollment in course 5L and Mathematics 19A or 20A is required. (General Education Code(s): IN, Q.)

5D. Heat, Thermodynamics, and Kinetics (2 credits).

Introduction to temperature, heat, and thermal conductivity, ideal gases, the first and second laws of thermodynamics, and an introduction to kinetic theory. Prerequisite(s): courses 5A/L and Mathematics 19B or 20B.

5L. Introduction to Physics Laboratory (1 credit).

Laboratory sequence illustrating topics covered in 5A-5B-5C, respectively. One three-hour laboratory session per week. Prerequisite(s): concurrent enrollment in course 5A is required.

6A. Introductory Physics I.

Elementary mechanics. Vectors, Newton's laws, inverse square force laws, work and energy, conservation of momentum and energy, and oscillations. Prerequisite(s): Concurrent enrollment in course 6L required. Corequisite: Mathematics 11A or 19A or 20A. (General Education Code(s): IN, Q.)

6C. Introductory Physics III.

Introduction to electricity and magnetism. Electromagnetic radiation, Maxwell's equations. Prerequisite(s): courses 6A/L or 5A/L and Mathematics 11B or 19B or 20B; concurrent enrollment in course 6N required. Corequisite: Mathematics 22 or 23A. Courses 6B/M are suggested. (General Education Code(s): IN, Q.)

6L. Introductory Physics Laboratory (1 credit).

Laboratory sequence illustrating topics covered in 6A-6B-6C, respectively. One three-hour laboratory session per week. 6L is offered in fall and winter; 6M is offered in winter and spring; 6N is offered in spring and fall. Prerequisite(s): Concurrent enrollment in course 6A required.

6N. Introductory Physics Laboratory (1 credit).

Laboratory sequence illustrating topics covered in 6A-6B-6C, respectively. One three-hour laboratory session per week. 6L is offered in fall and winter; 6M is offered in winter and spring; 6N is offered in spring and fall. Prerequisite(s): courses 6A/L or 5A/L; concurrent enrollment in course 6C required; courses 6B/M are suggested.

10. Overview of Physics (2 credits).

One lecture per week providing a descriptive overview of major areas in the discipline. These include fundamental particles, solid state, fluids, nonlinear dynamics, biophysics, and cosmology. Lectures by various faculty with research interests in these fields. The course is suggested for prospective physics majors, or others, before they enroll in the Physics 5 sequence.

80A. Physics and Psychophysics of Music.

Fundamental theory of vibration, sound waves, sound propagation, diffraction, and interference. Free, coupled, and driven oscillations. Resonance phenomena and modes of oscillation. Fourier's theorem. Anatomy and psychophysics of the ear. Musical scales and intervals. Nature of plucked and bowed strings; guitar, violin, piano. Woodwind and brass instruments. Architectural acoustics. High school algebra and basic knowledge of musical notation recommended. (General Education Code(s): T2-Natural Sciences, Q.)

101A. Introduction to Modern Physics I.

Special theory of relativity. Early experiments and models in quantum physics. Introduction to concepts and calculations in quantum mechanics. Single-electron atoms. Prerequisite(s): courses 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N.

105. Mechanics.

Particle dynamics in one, two, and three dimensions. Conservation laws. Small oscillations, Fourier series and Fourier integral solutions. Phase diagrams and nonlinear motions, Lagrange's equations, and Hamiltonian dynamics. Prerequisite(s): courses 5A/L, 5B/M, 5C/N, and 116A-B.

107. Fluid Dynamics.

Fundamentals of heat transfer and fluid flow: thermal convection, gravity waves, boundary layers, vortex dynamics, instabilities and turbulence. Develop a computer program for simulating thermal convection and gravity waves (required only for graduate students). Students cannot receive credit for this course and course 227. Prerequisite(s): course 5B or 6B. Courses 5D, 116A-B-C, Earth Sciences 119, and computer programming experience recommended. Offered in alternate academic years.

116C. Mathematical Methods in Physics.

Legendre polynomials and Bessel functions, partial differential equations and boundary value problems, functions of a complex variable including the residue theo-

rem, integral transforms, Green function techniques and the delta function. (Formerly course 114B.) Prerequisite(s): courses 5A/L, 5B/M, 5C/N, 116A-B.

134. Physics Advanced Laboratory.

Individual experimental investigations of basic phenomena in atomic, nuclear, and solid state physics. Prerequisite(s): courses 133 and 101B. May be repeated for credit.

135A. Astrophysics Advanced Laboratory (3 credits).

Introduction to techniques of modern observational astrophysics at optical and radio wavelengths through hands-on experiments. Intended primarily for juniors and seniors majoring or minoring in astrophysics. Offered in some academic years as single-term course 135 in fall, depending on astronomical conditions. (Also offered as Astronomy and Astrophysics 135A. Students cannot receive credit for both courses.) Prerequisite(s): course 133 and at least one astronomy course.

139B. Quantum Mechanics.

The principles and mathematical techniques of non-relativistic quantum mechanics: the Schrödinger equation, Dirac notation, angular momentum, approximation methods, and scattering theory. Offered in fall. Prerequisite(s): courses 101A, 101B, 116A-B-C and 139A.

171. General Relativity, Black Holes, and Cosmology.

Special relativity is reviewed. Curved space-time, including the metric and geodesics, are illustrated with simple examples. The Einstein equations are solved for cases of high symmetry. Black hole physics and cosmology are discussed, including recent developments. (Also offered as Astronomy and Astrophysics 171. Students cannot receive credit for both courses.) Prerequisite(s): courses 105, 110A, 110B, and 116A-B-C.

195A. Senior Thesis Research (3 credits).

A seminar course to help students explore their thesis topics and plan, organize, and develop their theses. Choosing a thesis topic, preparing a work plan for the research, assembling an annotated bibliography, and writing a draft outline of the thesis. Students must complete 5 credits in the 195 series to satisfy the writing intensive (W) general education requirement.

210. Classical Mechanics.

Generalized coordinates, calculus of variations, Lagrange's equations with constraints, Hamilton's equations, applications to particle dynamics including charged particles in an electromagnetic field, applications to continuum mechanics including fluids and electromagnetic fields, introduction to nonlinear dynamics. Enrollment restricted to graduate students only, except by permission of instructor.

212. Electromagnetism I.

Electrostatics and magnetostatics, boundary value problems with spherical and cylindrical symmetry, multipole expansion, dielectric media, magnetic materials, electromagnetic properties of materials, time-varying electromagnetic fields, Maxwell's equations, conservation laws, plane electromagnetic waves and propagation, waveguides and resonant cavities. Enrollment restricted to graduate students only, except by permission of instructor.

217. Quantum Field Theory I.

Lorentz invariance in quantum theory, Dirac and Klein-Gordon equations, the relativistic hydrogen atom, Green functions and canonical approach to field theory, quantum electrodynamics, Feynman diagrams for scattering processes, symmetries and Ward identities. Students learn to perform calculations of scattering and decay of particles in field theory. Prerequisite(s): course 216. Enrollment restricted to graduate students only, except by permission of instructor.

221A. Introduction to Particle Physics I.

First quarter of a two-quarter graduate level introduction to particle physics, including the following topics: discrete symmetries, quark model, particle classification, masses and magnetic moments, passage of radiation through matter, detector technology, accelerator physics, Feynman calculus, and electron-positron annihilation. Prerequisite(s): course 217 or concurrent enrollment. Enrollment restricted to graduate students only, except by permission of instructor.

227. Fluid Dynamics.

Fundamentals of heat transfer and fluid flow: thermal convection, gravity waves, boundary layers, vortex dynamics, instabilities and turbulence. Develop computer program for simulating thermal convection and gravity waves. Students cannot receive credit for this course and course 107. Graduate students evaluated on a higher scale than undergraduates in course 107. Computer programming experience recommended. Enrollment restricted to graduate students. Offered in alternate academic years.

231. Introduction to Condensed Matter Physics.

Crystal structures, reciprocal lattice, crystal bonding, phonons (including specific heat), band theory of electrons, free electron model, electron-electron and electron-phonon interactions, transport theory. Prerequisite(s): course 216. Enrollment restricted to graduate students only, except by permission of instructor.

291A. Cosmology (2 credits).

Intensive research seminar on cosmology and related topics in astrophysics: nature of dark matter; origin of cosmological inhomogeneities and other initial conditions of the big bang; origin and evolution of galaxies and large scale structure in the universe. Enrollment restricted to graduate students only, except by permission of instructor.

291C. Developments in Theoretical Particle Physics (2 credits).

Seminar on the current literature of elementary particle physics, ranging from strong and weak interaction phenomenology to Higgs physics, supersymmetry, and superstring theory. Students may present their own research results. Enrollment restricted to graduate students only, except by permission of instructor. May be repeated for credit.

292. Seminar (no credit).

Weekly seminar attended by faculty and graduate students. Directed at all physics graduate students who have not taken and passed the qualifying examination for the Ph.D. program. Enrollment restricted to graduate students only, except by permission of instructor. May be repeated for credit.

Politics

4. Citizenship and Action.

What does a citizen do? We read, discuss, and write about the words of political thinkers and actors to develop answers to this question of political identity. Readings include Socrates, Aristotle, Rousseau, Locke, Marx, and Arendt. (General Education Code(s): IS.) etz

5. Political Freedom.

Deals with themes of citizenship and exile, equality and slavery, liberty and liberation using classical and contemporary theoretical materials, institutional studies (of slavery and the concentration camps), and historical examples (immigration). (General Education Code(s): IS.)

100. Core Seminar in Politics.

Focuses on the diverse theoretical and methodological approaches to the study of politics. Considers central concepts and issues in historical and contemporary analysis of political life. Specific readings within general topics are assigned by each instructor. Required of all politics majors in the sophomore or junior year. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomore, junior, and senior legal studies, politics, and Latin American and Latino studies/politics combined majors during priority enrollment. Enrollment limited to 20. (General Education Code(s): W.)

105A. Ancient Political Thought.

Ancient political ideas in context of tension between democracy and empire, emergence of the psyche, and shift from oral to written culture. Emphasis on Athens, with Jewish, Roman, and Christian interventions. Includes Sophocles, Thucydides, Socrates, Plato, Aristotle, Stoics, the Bible, and Augustine. (Formerly *Classical Political Theory*.) (Also offered as Legal Studies 105A. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

107. After Evil: Political Morality of Survivorship and Recovery.

What are the continuing relationships between victims, perpetrators, and beneficiaries of a past that is recognized as evil? Focus on contrast between the competing moral logics of struggle and reconciliation, and various rationales for allowing beneficiaries to keep their gains in order to bring closure to the past. Topics include post-slavery U.S., post-apartheid South Africa, post-genocide Rwanda, post-Holocaust Germany/Israel, post-authoritarian Latin America, and post-Soviet Eastern Europe. Theoretical perspectives drawn from law, philosophy, theology, and psychoanalysis. (Also offered as Legal Studies 107. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

109. Orientalism.

Studies "Orientalism" as a concept of political theory and as a historical practice. Considers political, intellectual, and aesthetic projects of eighteenth- and nineteenth-century Orientalists. Considers contemporary themes of Orientalism and uses these concepts to examine current political discourse. Enrollment restricted

to politics and politics/Latin American Latino studies combined majors during priority enrollment only.

112. Women and the Law.

Interdisciplinary approach to study of law in its relation to category "women" and production of gender. Considers various materials including critical race theory, domestic case law and international instruments, representations of law, and writings by and on behalf of women living under different forms of legal control. Examines how law structures rights, offers protections, produces hierarchies, and sexualizes power relations in both public and intimate life. (Also offered as Women's Studies 112. Students cannot receive credit for both courses.) Enrollment restricted to politics, women's studies, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only.

120C. State and Capitalism in American Political Development.

Examines expansion of the American state, its relation to the development of capitalism, and changing contours of policy intervention in economy and society. Includes regulation of capitalism, origins and growth of welfare state, and implications of state intervention for economic and political inequalities in America. (Also offered as Legal Studies 120C. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics majors during priority enrollment only. Satisfies American History and Institutions requirement.

132. California Water Law and Policy.

Explores the rich history and fundamental legal concepts surrounding water in California. Students identify, evaluate, and debate some critical water policy questions faced by Californians today and in the future. (Also offered as Legal Studies 132. Students cannot receive credit for both courses.)

140A. Politics of Advanced Industrialized Societies.

Explores the political and economic systems of advanced industrialized societies. In addition to specific comparisons between the countries of western Europe, Japan, and the United States, covers important themes and challenges, including immigration, globalization, and social movements. Enrollment restricted to politics, and Latin American and Latino studies/politics combined majors during priority period.

160B. Global Organization.

Addresses how global organizations are changing the international system. Examines multilateral institutions, regional organizations, and nonstate actors. Overriding aim is to discern whether these global organizations are affecting the purported primacy of the state. Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

176. International Political Economy.

Surveys and critically examines long-standing theoretical debates within international political economy (liberalism, mercantilism, Marxism) with context of important historical and contemporary international political economy issue areas (international monetary systems, organization of international trade, regulation of foreign direct investment, development policies, etc.).

Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

190X. Global Civil Society—Theories, Debates, Practices.

The process of globalization, the enormous growth in numbers of transnational social movements and non-governmental organizations, and the broad reach of transnational capital and corporations has generated considerable academic and policy interest in future of global governance and role of "global civil society" in it. This senior seminar provides broad view of theory and debates behind global civil society and case studies of specific transnational networks, movements, and coalitions. Prerequisite(s): course 100 or 100A, and one of course 160, 160A, 160B, 162, or 173. Enrollment restricted to senior politics and Latin American and Latino studies/politics combined majors during priority enrollment only. Enrollment limited to 20.

200C. States and Political Institutions Core Seminar.

Introduces study of political institutions as instruments of collective decision making and action. Explores alternative theoretical approaches to development of political institutions, state and political economy, and security dilemmas. (Formerly States, Political Institutions, and Global Political Economics Core Seminar.) Enrollment restricted to graduate students. Enrollment limited to 15.

205. Political and Social Thought: Politics of Recognition.

Investigates issues about identity and recognition as basis for claims about institutional legitimacy and social struggle. Paradigm is Hegel's account of relation of master and slave in *Phenomenology of Spirit*. Contemporary political philosophy examines differing accounts of reason, power, resistance, liberation, morality, difference, and the other. Concludes with discussion of identity and interest politics, multiculturalism and assimilation, and moral bases of struggle, reconciliation, and compromise in the political arena. (Formerly course 200A, *Political and Social Thought Core Seminar: Politics of Recognition*.). Enrollment restricted to graduate students. Enrollment limited to 15.

Portuguese

1A. Intensive Elementary Portuguese.

Intensive instruction in elementary Portuguese, emphasizing oral proficiency as well as reading and writing skills. Taken together, courses 1A and 1B are equivalent to first-year instruction. Enrollment limited to 24.

60A. Advanced Beginning and Intermediate Portuguese.

This sequence is designed for students with an equivalent of four quarters of college level study of Portuguese, Spanish, French, Italian, or Catalan or for native speakers of these Romance languages (with the exception of native speakers of Portuguese). Prepares students in all language skills. Prerequisite(s): Spanish 4 or Spanish for Spanish Speakers 64 or French 4 or Italian 4 or placement by examination.

65B. Intermediate Portuguese.

A systematic grammar review is combined with literacy and cultural readings, while communicative exercises

focus on improving students' ability to understand and hold sustained conversations. Students expand their vocabulary and knowledge of Brazil and other Portuguese-speaking cultures through films and group projects. Fulfills EAP language requirement. Prerequisite(s): course 65A or by instructor approval. (General Education Code(s): IH.)

Psychology

1. Introduction to Psychology.

Introduces prospective majors to the scientific study of behavior and mental processes and also provides an overview for non-majors. Emphasizes social, cognitive, developmental, and personality psychology and their interrelations. (General Education Code(s): IS.)

2. Introduction to Psychological Statistics.

An introduction to elementary statistical principles and techniques relevant to psychological research. Topics covered include basic parametric and nonparametric statistics, analysis of variance, and simple factorial designs. This course is prerequisite to course 181. Prerequisite(s): course 1, and Applied Mathematics and Statistics 3 or Mathematics 3 or 11A or satisfactory placement score on math placement exam or CEEB Advanced Placement Calculus AB exam. (General Education Code(s): Q.)

3. Research Methods in Psychology (7 credits).

An introduction to research methods used to investigate human psychology. Course emphasizes critical thinking, designing and conducting research, analyzing and interpreting data, and writing a professional research report. Prerequisite(s): course 2 or Applied Mathematics and Statistics 5. Enrollment restricted to prepsychology majors; minors by permission of instructor.

10. Introduction to Developmental Psychology.

Psychological development from birth to adolescence, with primary emphasis on infancy and childhood. A broad introduction to the nature of change during childhood and adolescence and to theories of development. Prerequisite(s): course 1. Enrollment restricted to prepsychology majors.

40. Introduction to Social Psychology.

An analysis of contemporary research in social psychology and of what that research can teach us about the world we live in. Problems of conformity, propaganda, prejudice, attraction, and aggression. Focuses on a person's relationship with other people-how he or she influences them and is influenced by them. Prerequisite(s): course 1.

60. Introduction to Personality Psychology.

An overview of major personality theories from Freud to the modern day, and an introduction to contemporary personality research and assessment. Prerequisite(s): course 1.

80A. Psychology and Religion.

Topics covered include myth and the unconscious, the varieties of religious experience, dualism, women and religion, the role of authority, transpersonal experience, conversion, disaffiliation, self and community. (General Education Code(s): T3-Social Sciences.)

103. Language Development.

An introduction to language development in children. Explores current theory and research in language de-

velopment; focuses on the preschool years. Course satisfies seminar requirement. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

107. Development in Infancy.

Focuses on psychological development in infancy. Presents research on perceptual, cognitive, and social-emotional development during the first two years of life. Prerequisite(s): courses 3 and 10.

109. Adult Development and Aging.

An introduction to cultural, biological, interpersonal, and cognitive processes that influence adult development and aging. We discuss how each of these processes promotes stability and change during adulthood. Prerequisite(s): courses 3 and 10.

117. Children's Thinking.

Cognition in children from infancy through adolescence. Basic and current research on children's understanding of the social and physical world. Focus on major theoretical perspectives: Piaget's constructivist approach, information processing approach, and socio-cultural approach. Prerequisite(s): courses 3 and 10.

120D. Deafness and Sign Language.

Explores what we can learn about human cognition by studying the atypical case of sensory loss and language in a different sensory modality. Topics include brain organization, sensory compensation, working memory, visual cognition, and psycholinguistics. Satisfies seminar requirement. Prerequisite(s): course 20 or an upper-division cognitive course strongly recommended. Enrollment restricted to senior psychology majors and minors. Enrollment limited to 30. M. Wilson

120E. Consciousness.

Provides a psychological study of human consciousness. Aim is to explore the following questions: What is consciousness? Where does consciousness come from? What functions does consciousness have in everyday cognition? How do we best scientifically study consciousness? These issues are examined from the perspective of contemporary research in cognitive science. Satisfies seminar requirement. Enrollment restricted to senior psychology, philosophy, anthropology, and linguistics majors. Enrollment limited to 30.

124. Psychology of Reading.

Focuses on the cognitive processes that underlie reading in adults. Additional topics include different writing systems, learning to read, and reading deficits. Recommended for upper-division students. Prerequisite(s): course 3.

125. The Psychology of Language.

A study of human communication as a function of psychological, linguistic, and social factors. Topics covered include language comprehension and production, language and reasoning, and language as a social activity. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; course 3 or 20 or Linguistics 52 or 53 or 55. (General Education Code(s): W.)

130. Visual and Spatial Cognition.

Focuses on visual and spatial representation as elements of human cognition. Topics include imagery, visual attention, mental models, spatial language, the body schema, near-body space, and brain organization for

representing space. Prerequisite(s): course 3; course 20 or any upper-division cognitive course is highly recommended.

140A. Women's Lives in Context: Community Practicum (2 credits).

Provides link between course 140G and community organizations that work with women. Students complete internships with relevant agencies and participate in seminar meetings. Concurrent enrollment in course 140G required. Enrollment limited to 20.

140C. Health Psychology.

Course examines the psychological aspects of health, illness and healing. Focuses primarily on etiology, treatment and prevention; specific topics include stress and the immune response, social support, compliance, health beliefs, and the healing relationship. Prerequisite(s): courses 3 and 40.

140G. Women's Lives in Context.

Examines contemporary theories, findings, and social issues regarding the psychology of women. Emphasis is placed on understanding how gender, class, race, ethnicity, and sexuality shape women's experiences across the lifespan. Students cannot receive credit for this course and course 41. (Formerly *Psychology of Women*.) Enrollment restricted to junior and senior psychology, women's studies, sociology, and community studies majors.

140T. Psychology of Trauma.

Overview of psychological theory and research on trauma and traumatic stress, including responses to childhood trauma (especially sexual abuse), combat, and natural disasters. Variety of theoretical frameworks presented, including developmental, cognitive, neuropsychological, clinical, and social/contextual. Prerequisite(s): course 3 or permission of instructor.

169. Community Psychology.

Examines theory and research on outreach and prevention for use with various populations in community settings (e.g., victims of violence, immigrants, severely mentally ill); presents characteristics of successful agency and agency development. Surveys prevention and intervention models currently used in community psychology. Prerequisite(s): course 3.

170. Abnormal Psychology.

Survey of theory and research on the nature of behavioral disorders. Covers psychological, biological, developmental, and socio-cultural approaches. Prerequisite(s): course 1 or 60; course 60 highly recommended as preparation.

171. Childhood Psychopathology.

A critical and intensive exploration of a wide variety of specific disorders within their biological, developmental, and social contexts. Concepts of psychopathology in childhood, major and minor diagnostic systems, and a variety of theories of etiology are explored. General intervention strategies and a wide range of specific psychotherapy systems for treatment are closely examined and demonstrated. Prerequisite(s): courses 3, 10, and 170. Enrollment restricted to senior psychology majors.

191A. Introduction to Psychology.

Students lead discussion groups and provide one-to-one tutoring for course 1. Admission requires essay describ-

ing interest in becoming a course assistant, copies of psychology evaluations, and a letter of recommendation from a psychology faculty member; completion of some upper-division psychology courses prior to enrollment in this course. Enrollment restricted to psychology majors. Enrollment limited to 20.

194A. Advanced Developmental Research.

Provides students with intensive experience conducting current research in developmental psychology. Students submit petition to sponsoring agency. May be repeated for credit.

194B. Advanced Cognitive Research.

Provides students with intensive experience conducting current research in cognitive psychology. Students submit petition to sponsoring agency. May be repeated for credit.

194C. Advanced Social Research.

Provides students with intensive experience conducting current research in social psychology. Students submit petition to sponsoring agency. May be repeated for credit.

204. Quantitative Data Analysis.

Intermediate statistical methods widely used in psychology (e.g., n-way, ANOVA, ANCOVA, multiple-comparisons, repeated-measures, nested-designs, correlational analyses, bivariate regression), corresponding SAS programs, and elements of measurement theory. Enrollment restricted to graduate students. Enrollment limited to 20.

211B. Proseminar: Groups in Society.

Provides an introduction to social psychology. Surveys major empirical and theoretical developments in social psychology related to group and intergroup dynamics. Topics include norms, power, leadership, communication, culture, and social psychology's relationship to public policy. Enrollment restricted to psychology graduate students. Enrollment limited to 20. ey

224A. Proseminar: Cognitive I.

A proseminar reviewing current topics in cognitive psychology, designed to introduce new graduate students to the field. Enrollment restricted to psychology graduate students. Enrollment limited to 10.

230. Research in Cognitive Psychology Seminar.

Seminar to study, critique, and develop research in perception and cognition, including topics in psychobiology, psycholinguistics, and memory. Enrollment restricted to psychology graduate students. May be repeated for credit.

231. Research in Social Psychology Seminar.

Seminar to study, critique, and develop research in social psychology. Enrollment restricted to psychology graduate students. May be repeated for credit.

242. Research in Developmental Psychology Seminar.

Seminar to study, critique, and develop research in developmental psychology. Enrollment restricted to psychology graduate students. May be repeated for credit.

244A. Proseminar I: Cognitive and Language Development.

Explores major theories and research in the fields of cognitive development and language development. Begins with classic theories, such as Piaget's theory of cog-

nitive development, and proceeds to theories and research on topics of current interest, such as the relation between culture and cognitive and language development. Enrollment restricted to graduate students.

247. *Special Topics in Developmental Psychology.*

Focuses on particular issues of theoretical importance in developmental psychology. Topics vary from year to year. Particular issues in language, culture, cognitive, social, and personality development may be covered. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

252. *Special Topics in Cognitive Psychology.*

Focuses on particular issues in cognitive psychology. Topics vary from year to year. Particular issues in language, memory, perception, attention, judgment and decision making, problem solving, reasoning, emotion, cognitive modeling, cognitive neuroscience, and cognition and aging covered. Enrollment restricted to graduate students. May be repeated for credit.

290B. *Advanced Developmental Research and Writing (2 credits).*

Tailored to graduate students' interests among topics involving research and scholarship in sociocultural approaches to development, methods for research design, data collection, coding, and analysis, and preparing and reviewing grant proposals and journal manuscripts. Multiple-term course; students receive 6 credits in the third quarter of attendance; the performance evaluation and grade submitted for the final quarter applies to all three quarters. Enrollment restricted to graduate students. May be repeated for credit.

Russian

1. *Instruction in the Russian Language.*

Aural comprehension, speaking, reading, and writing. Recitation and laboratory. Elementary sequence (1-2-3) begins in the fall quarter only.

4. *Intermediate Russian.*

Second-year courses designed to improve functional competence in speaking, listening, reading, and writing by activating basic grammar covered in introductory courses. Grammatical explanations and exercises supplemented with short readings and films. Prerequisite(s): course 3; or permission of instructor. (General Education Code(s): IH.)

Science Communication

201A. *Reporting and Writing Science News.*

A survey of the conventions of newspaper journalism and the special application of those conventions to scientific and technological subjects. Enrollment restricted to graduate students formally accepted into the writing track of the Science Communication Program. Enrollment limited to 10.

202. *Writing and Editing Workshop.*

Theory and practice of writing, editing, and conceiving illustrations for articles on scientific, medical, environmental, and technological subjects for newspapers, magazines, and special publications directed at non-technical readers. Enrollment restricted to graduate students formally accepted into the writing track of the Science Communication Program. Enrollment limited to 10. May be repeated for credit.

Social Documentation

200. *Approaches to Social Documentation.*

Comprehensive review and analysis of documentary strategies aimed at societal critique and social change, evaluating changes in argument, evidence, and process over development of the discipline. Enrollment restricted to social documentation graduate students. Enrollment limited to 15.

202. *Practice of Social Documentary.*

Provides basic skills in social documentary genres including video, audio, and photography and discusses how to apply social scientific research and methodology in the context of these processes. A concurrent media lab required. Enrollment restricted to graduate social documentation majors. Enrollment limited to 15.

Social Sciences

194A. *UCDC Internship and Internship Seminar.*

A 20- to 25-hour per week internship in a Washington, D.C. government, non-profit, or private institution, consistent with availability and student's interests. In addition, weekly attendance at required seminar which stresses institutional analysis, development of bibliographic material using Washington resources, and participant-observer skills. Required for participants in the UCDC program. Enrollment restricted to students participating in the UCDC Program. Enrollment limited to 22.

194B. *UCDC Internship and Internship Seminar.*

A 20- to 25-hour per week internship in a Washington, D.C. government, non-profit, or private institution, consistent with availability and student's interests. In addition, weekly attendance at required seminar which stresses institutional analysis, development of bibliographic material using Washington resources, and participant-observer skills. Required for participants in the UCDC program. Enrollment restricted to students participating in the UCDC Program. Enrollment limited to 22.

Sociology

1. *Introduction to Sociology.*

A systematic study of social groups ranging in size from small to social institutions to entire societies. Organized around the themes of social interaction, social inequality, and social change. Fulfills lower-division major requirement. (General Education Code(s): IS.)

15. *World Society.*

Designed as an introduction to comparative and historical sociology, this course focuses on the internationalization of national societies. After a review of classical liberalism, Marxism, Weberian, and world systems theories, transnational corporations, international regulatory agencies, and peasant revolutionary movements are analyzed from a global perspective. Fulfills lower-division major requirement. (General Education Code(s): IS, E.)

30A. *Information Methods for Global Information Internships (3 credits).*

Introduction to information technology and communication networks using the Internet to reduce global inequality and bridge the "digital divide." Prepares students enrolled in the Global Information Internship

Program to construct web pages and write grant proposals for community and non-governmental organizations. Course 186 recommended but not required. Enrollment limited to 60. May be repeated for credit.

105A. *Classical Sociological Theory.*

This intensive survey course examines the intellectual origins of the sociological tradition, focusing on changing conceptions of social order, social change, and the trends observed in the development of Western civilization in the modern era. Readings are all taken from original texts and include many of the classical works in social theory with special emphasis on the ideas of Marx, Weber, and Durkheim which constitute the core of the discipline. Required for sociology majors planning on studying abroad (EAP). Enrollment restricted to sociology, proposed sociology, the combined Latin American and Latino studies/sociology majors and sociology minors.

116. *Communication and Mass Media.*

Examines media institutions, communication technologies, and their related cultural expressions. Focuses on specific ways the media-including media studies and criticism-operates as social and cultural factor. Contemporary theory or equivalent in related fields recommended. Enrollment restricted to upper-division students.

128I. *Race and Criminal Justice.*

An introduction to comparative and historical analyses of the relations between race and criminal justice in the U.S. Emphasis on examinations of structural mechanisms that help maintain and perpetuate racial inequality in law, criminal justice, and jury trials. (Formerly course 80I. Students cannot receive credit for both courses.) Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 120.

129. *Popular Culture.*

Examines popular culture both as a social practice and social product: the ways that commercial cultural products are created, distributed, and circulated with contemporary American society and how they operate as expressions of social moods, conflicts, and identities and the multiple meanings and social significance of popular culture. Treats popular culture as a contemporary arena where major social and cultural struggles over power and meaning is played out in the areas of sexuality, identity, gender, social class, and race and ethnicity. Enrollment restricted to juniors and seniors. Enrollment limited to 40.

135. *Nonverbal Communication.*

Explores varieties of nonverbal communication: facial expressions, tones of voice, personal space and proxemics, gestures, and paralanguage. Readings are drawn from sociology, psychology, and anthropology. Includes films, videotapes, photographs, and audiotapes.

136. *Social Psychology.*

Major theories and concepts in sociological study of social psychology. Topics include identity and social interaction, deviance, sociology of emotions, social narratives, and the social construction of reality.

148. *Sociology of Learning.*

Examines learning and achievement from class, race, and gender perspectives; provides tools for improving learning and achieving goals; explores interplay between

past and present social forces affecting learning and achievement. Class has dyads rather than sections. Enrollment restricted to juniors and seniors.

165. World Systems Perspective.

Seminar on the intellectual origins and contemporary exponents of the world-systems perspective in the social sciences: Marx, Braudel, Polanyi, Arrighi, Wallerstein. Prerequisite(s): courses 105A and 105B or permission of instructor.

179. Nature, Poverty, and Progress: Dilemmas of Development and Environment.

Concerns about environmental change, including global warming, threats to the ozone layer, and industrial pollution, raise questions about Third World development. Simple views of the relation between society and nature, such as blaming population growth, industrialization, or poor people, seem to preclude higher living standards. Uses debates and case studies to explore more subtle and optimistic views of social-natural relations. Enrollment limited to 45.

185. Environmental Inequality.

Modern society not only assaults nature, it does so in ways that reproduce existing social inequalities. Reviews research on disproportionate exposure to risks and hazards, especially along dimensions of class and race, and examines the environmental justice movement. (Formerly offered as a cross-listed course with Women's Studies 129. Students cannot receive credit for both courses.) Enrollment restricted to junior and senior sociology and environmental studies students. Course 125 recommended as preparation. Enrollment limited to 42.

201. The Making of Classical Theory.

Examines the establishment of "theory" in the discipline of sociology. Introduces students to close readings and analysis of a core selection of social theory. Problematises the construction, maintenance, and reproduction of a theoretical canon in sociology. Enrollment restricted to graduate students in sociology and by permission number. Enrollment limited to 20.

203. Sociological Methods.

Approaches methods as a series of conscious and strategic choices for doing various kinds of research. Introduces students to the epistemological questions of method in social sciences; to key issues in "technique," particularly control, reliability, and validity; and to good examples of social research. Enrollment restricted to graduate students in sociology and by permission number.

204. Methods of Quantitative Analysis.

Students are provided with intuitive explanation of fundamental concepts in statistics and learn how to use statistics to answer sociological questions. Experience and guidance in using computers to efficiently analyze data are provided. Enrollment restricted to graduate students in sociology and by permission number. Enrollment limited to 20.

294. Writing for Social Scientists.

Seminar on the genres of social science writing, and the problems of starting and finishing a publishable thesis, book, or article. For advanced graduate students working on the composition of their dissertations and journal articles. Enrollment restricted to graduate students. Enrollment limited to 10.

Spanish

1. Instruction in the Spanish Language.

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): Spanish Placement Examination score of 10. Enrollment limited to 26.

1T. Topic-Oriented Spanish Language Instruction (Special Track).

Prepares students to understand, speak, and write on topics (geography, nature, society, art, history, etc.) and to provide information about themselves and their surroundings. Emphasis on the development of proficiency in all language skills and the active use of Spanish through task-oriented activities. Multiple-term course; students receive 5 credits per course and receive credit for all three courses upon completion of course 3T. Prerequisite(s): Spanish Placement Examination score of 10. Enrollment limited to 40.

1U. Laboratory to Topic-Oriented Spanish Language Instruction (2 credits).

Consists of individualized instruction which allows students to work at their own pace developing their oral comprehension, reading comprehension, speaking and writing skills. Provides the supplementary exposure and practice students need in the acquisition of the target language. Multiple-term course; students receive credit for all three courses upon completion of course 3U. Prerequisite(s): interview only; Spanish Placement Examination score of 10.

2. Instruction in the Spanish Language.

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): course 1 or Spanish Placement Examination score of 20. Enrollment limited to 26.

3. Instruction in the Spanish Language.

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): course 2, 2X, or Spanish Placement Examination score of 30. Enrollment limited to 26.

4. Intermediate Spanish.

Includes comprehensive grammar review, composition, readings, and discussion. Reading and audiovisual material deal with various sociopolitical and cultural issues in the Spanish speaking world. Classes are conducted in Spanish. Prerequisite(s): course 3, 3T, 3X, or Spanish Placement Examination score of 40. (General Education Code(s): IH.)

5. Intermediate Spanish.

Includes comprehensive grammar review, composition, readings, and discussion. Reading and audiovisual material deal with various socio-political and cultural issues in the Spanish speaking world. Classes are conducted in Spanish. Prerequisite(s): course 4, 4X, Spanish for Spanish Speakers 61, or Spanish Placement Examination score of 50. (General Education Code(s): IH.)

5M. Medical Spanish.

Students learn vocabulary, expressions, and cultural background to be able to interact with Spanish-speaking patients and doctors. Medical Spanish fulfills language requirement for the health science major of the Biology Department. Prerequisite(s): course 4, Spanish for Spanish Speakers 61, or Spanish Placement Examination score of 50. Enrollment restricted to health sciences majors. Enrollment limited to 24. (General Education Code(s): IH.)

6. Intermediate Spanish.

Increases oral and written proficiency using authentic reading materials which focus on such topics as social class, ethnicity, education, religion, economic, and political developments in the Spanish-speaking world. Prerequisite(s): course 5, 5M, 5X, Spanish for Spanish Speakers 62, or Spanish Placement Examination score of 60. Enrollment limited to 24. (General Education Code(s): IH.)

156E. Spanish Culture.

A broad survey of Spanish cultural topics, including history, politics, religions, art forms, music, and films. It is based on extensive conversations, discussion, and composition. Particular emphasis is placed on key changes that have occurred during the 20th century in Spain. Classes conducted through commentary on texts read (or viewed), oral presentations, and debate. Recommended for students preparing to go to Spain with EAP. Prerequisite(s): course 6, 56, Spanish for Spanish Speakers 63, or Spanish Placement Examination score of 70. Enrollment restricted to language studies, Latin American and Latino studies, and literature majors. Enrollment limited to 24.

Spanish for Spanish Speakers

61. Spanish for Spanish Speakers.

This course deals with orthography (syllabification, accentuation, etc.), basic grammatical features, verbal structures, and development of conversation skills and confidence in spoken Spanish. Focus on development of writing skills: description, dialogue, exposition, and commentary on contemporary issues relevant to Spanish speakers of the Americas. Students need to utilize the Self-Placement Guidelines, available in Crown 122 to assure proper placement in this class. (General Education Code(s): IH.)

Theater Arts

10. Introduction to Theater Design and Technology.

Addresses imagination and creativity. Using the framework of theater production, students explore the process of translating a script into a performance. Topics include visual literacy, creative problem solving, establishing effective working teams, tear sheets, storyboarding, drawing, sound and color theory. This

PUBLICATIONS UPDATE

course is a prerequisite for all upper-division design courses. (General Education Code(s): A.)

12. Production Management.

Designed to acquaint students with the complexities of staging productions from the audition process to final performance. Directing, lighting, scenic production, sound, cueing, and personnel management are aspects that will be touched upon in class. Students are billed for a materials fee. (General Education Code(s): A.)

20. Introductory Studies in Acting.

Introduction to basic acting skills and the problems of performance. Concentrates on expanding the students' range of expression and ability to respond to and analyze dramatic text. Students with little or no experience are encouraged to attend. (General Education Code(s): IH, A.)

21. Acting Studio I.

Studio course involves acting exercises based on the Stanislavski principles of acting as well as work on movement, voice, and interpretation of text. Prerequisite(s): course 20 or permission of instructor. Enrollment limited to 30. (General Education Code(s): A.)

22. Indonesian Dance and Drama.

Students learn the basic movement repertoire of the specific characters of the Indonesian dance-drama/puppetry tradition over the quarter with explication of how these types operate in their own cultural context. The course culminates in an open showing of scenework. May be repeated for credit. (General Education Code(s): A, E.)

30. Introduction to Modern Dance Theory and Technique.

Intensive instruction in developing the dancer's physical instrument, combined with basic movement theory. May be repeated for credit with consent of instructor. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): IH, A.)

50. Fundamentals of Theater Production (2 credits).

Work is on various aspects of theatrical production, including scenery, lighting, costumes, sound, stage management, and video documentation. Satisfies the department's technical experience requirement. May be repeated for credit. (General Education Code(s): A.)

55A. Workshop in Performance: Barnstorm.

Process-oriented investigation of practical theater production by working in and on productions in the Barnstorm season. Requires a total of 150 hours working backstage or onstage. Admission by audition at first class meeting; see department office for more information. May be repeated for credit.

55B. Workshop in Performance: Barnstorm Lab (2 credits).

Process-oriented investigation of practical theater production by working in and on productions in the Barnstorm season. Requires a total of 50 hours working backstage or onstage. Admission by audition at first class meeting; see department office for more information. May be repeated for credit.

60A. Development of Theater Arts: Theory, Literature, and Practice.

The performance practice, history, and theory of drama, dance, and film and video in the modern period are

studied in their historical and cultural framework. Particular emphasis given to selected periods from the Greeks to the present. Major theoretical treatises, scripts, scenarios, background readings, and other documents are discussed in relation to the actual performance and staging practices of the period: Greek to the 16th century (theater, drama, dance). (General Education Code(s): IH, A.)

80E. Stand-Up Comedy.

American comedy from Mark Twain to present, including popular humor, history, and politics, using comedy from the '20s through the women's gay and civil rights movements. Discussions are based on readings and videos of a wide variety of artists. Students present performances weekly. (General Education Code(s): T4-Humanities and Arts, A.)

80H. Hamlet Conundrums.

Offered online, the course explores major issues of interpretation of Shakespeare's classic play, which has occupied the minds of audiences, directors, designers, performers, and critics during its 400-year history. In doing this, it offers a sense of history of people's preoccupations with and thoughts about the play. Students taking this class are expected to complete the course during the quarter for which they are enrolled. All students enrolled in this course should visit elsinore.ucsc.edu and write to elsinore@ucsc.edu. (General Education Code(s): T4-Humanities and Arts, A.)

80L. Muppet Magic: Jim Henson's Art.

The artistic and social impact of the Muppets on American puppetry, children's television, and Hollywood film is explored through viewings, guest lectures, and analysis. Henson's legacy in artistic innovation, mainstreaming of puppet theater for adult audiences, and establishment of puppetry in media and marketing are also explored. (General Education Code(s): T4-Humanities and Arts, A.)

80Z. Indian Dance.

Classical Indian dance will be studied as a performance practice. Understanding of drum syllables and associated steps, religious and sociological context, and mimesis (abhinaya) as well as introduction to epic stories (Ramayana, Mahabharata, Bhagavata Purana) and classical song. (General Education Code(s): T4-Humanities and Arts, A.)

121. Acting Studio II.

Continuing concentrated work on basic acting skills and textual analysis through scene study. May be repeated for credit with consent of instructor. Prerequisite(s): admission by audition at first class meeting. See department office for more information. Course 21 recommended as preparation. May be repeated for credit. (General Education Code(s): A.)

124. Movement for Performers.

Awareness and extension of personal movement repertoire, through observation, movement experience, and exploration. (General Education Code(s): A.)

126. Acting Studio III.

Individual work on acting skills and problems, with emphasis on individual interpretation and scene work with other students. Prerequisite(s): course 121; permission of instructor; audition at first class meeting-contact department office for more information. En-

rollment limited to 18. May be repeated for credit. (General Education Code(s): A.)

135. Dance Improvisation and Theory.

Exploring sources for movement; gaining facility in a wide range of movement elements; working in ensemble and solos. Students are billed a materials fee. (General Education Code(s): A.)

151. Studies in Performance (Drama).

Studies in theater, taken in connection with participation in a Theater Arts Department sponsored production. Enrollment is limited to those persons chosen to take part in a particular production. Admission by audition; audition schedule to be announced at first class meeting. May be repeated for credit. (General Education Code(s): A.)

157. Playwriting.

Students are given the opportunity to write their own scripts and refine them as the result of class discussion and scenework with actors. Work is on specific problems involving such elements as the structuring of a plot or the development of character. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. May be repeated for credit. (General Education Code(s): W,A.)

161X. Rhetoric/Theater/Performance.

Investigate significance of classical discipline of rhetoric as theory of discourse. Analyze persuasive forces of language in practical public discourse, literature, drama, art, film, and any other system of representation acting upon our minds. Study Plato, Aristotle, Jakobson, Burke, Shakespeare, and Aristophanes. Enrollment limited to 30. (General Education Code(s): A.) R. Branham

290. Special Topics and Area Concentration.

Study group meetings on a regular basis which involve either the study of shared texts or presentations by the group members and invited guests. Enrollment restricted to graduate students in theater arts. May be repeated for credit.

Women's Studies

1A. Introduction to Feminisms.

Core course for women's studies. Placing women's experiences at the center of our interpretation, introduces philosophical, historical, political, cultural, and sexual issues from feminist perspectives. Emphasis on diversity of women's lives across class, racial, and ethnic experiences and sexual identities, and on the potential for our unity and empowerment as women. Practical emphasis given to ways of implementing a feminist process and a politic for useful social change. Several short essays and one longer paper required. (General Education Code(s): IH.)

112. Women and the Law.

Interdisciplinary approach to study of law in its relation to category "women" and production of gender. Considers various materials including critical race theory, domestic case law and international instruments, representations of law, and writings by and on behalf of women living under different forms of legal control. Examines how law structures rights, offers protections, produces hierarchies, and sexualizes power relations in both public and intimate life. (Also offered as Politics 112. Students cannot receive credit for both courses.)

Enrollment restricted to women's studies, politics, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only.

117. *Gender and Africa.*

Considers both the research on gender in African studies and the role of gender in the production of the idea of Africa. Focuses attention through the humanities on the meaning, making of, and about Africa in its global context. Enrollment restricted to juniors and seniors. Enrollment limited to 20. (General Education Code(s): E.)

194C. *Topics in Gender and Globalization.*

Senior seminar. Examines women's work in context of globalization, i.e., the creation of a division of labor that extends beyond national borders, a historical process that began with the rise of colonialism in the 15th century and has manifested itself more recently with the proliferation of factories owned by multinational corporations that depend largely on the labor of women in third world countries. Explores impact of globalization in contexts other than multinational factories, e.g., the impact of privatization of water on women's work. Topics vary. Prerequisite(s): courses 1B and 100. Enrollment restricted to senior women's studies majors. Enrollment limited to 20. (General Education Code(s): E.)

196. *Feminist Methods of Teaching.*

Practicum for undergraduates assisting in the teaching of course 1A, Introduction to Feminisms, to conduct sections and evaluate student papers. A weekly seminar

considers issues relating to experiential and critical thinking, authority in the classroom, effective facilitation of group process, racial diversity, violence against women. Prerequisite(s): interview with instructor the quarter before course is offered and course 1A or 1B. Students must be upper-division and have a background in women's studies and/or ethnic studies. Enrollment limited to 25.

Writing

1. *Composition and Rhetoric.*

A basic composition course, which helps students find specific, practical ways of improving every aspect of their writing, through a broadly based consideration of the nature of language from a diversity of perspectives. Prerequisite(s): satisfaction of the Subject A requirement. Enrollment limited to 25. (General Education Code(s): C.)

22A. *Grammar and Editing Workshop (3 credits).*

Offers instruction on selected topics in grammar and conventions of written English as needed to strengthen the writing skills of students whose primary language is not standard English. Provides students practice in applying these concepts to editing their own writing. Designed for entering first-year students. Enrollment limited to 22.

22B. *Grammar and Editing Workshop (3 credits).*

Offers instruction on selected topics in grammar and conventions of written English as needed to strengthen

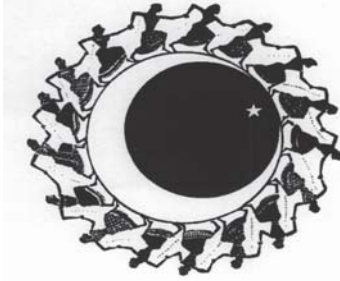
the writing skills of students whose primary language is not standard English. Provides students practice in applying these concepts to editing their own writing. Designed for continuing students who have already taken course 20 and/or 21. Enrollment limited to 22. M. Freeman

169. *Theory and Practice of Tutoring Writing.*

An introduction to theory and research on the composing process and practical strategies for teaching writing, especially in tutorial situations. Recommended for writing assistants. Prerequisite(s): instructor determination at first class meeting; course intended for writing tutors only. Enrollment limited to 30.

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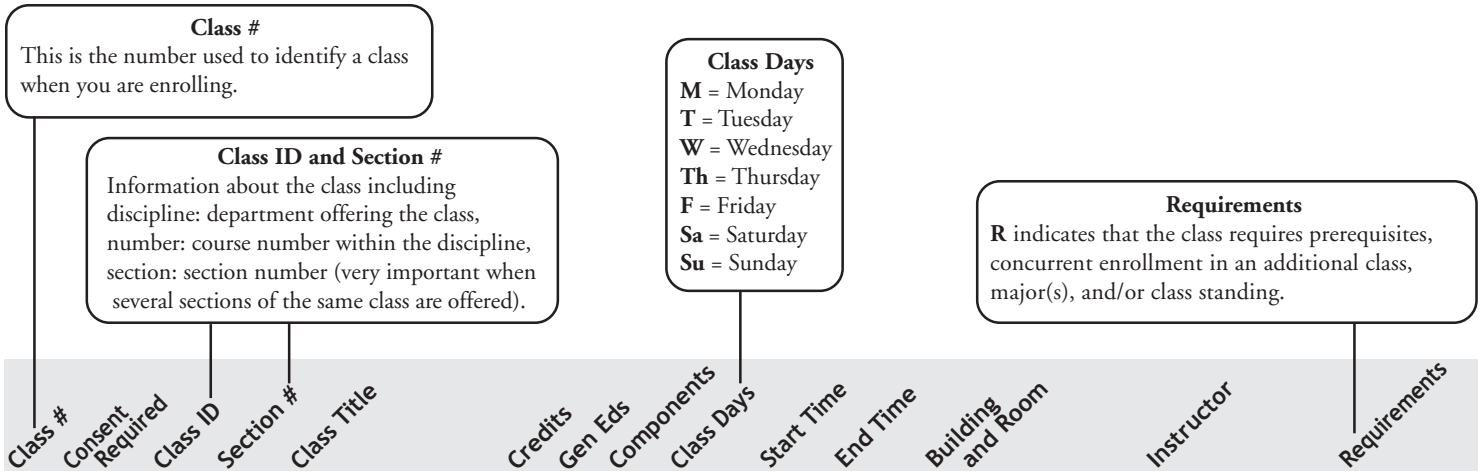
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Reading the Class Listings



Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
91838	Y	BIOL-75 -01		Sci Diving Cert	2		FLD				Ocean Health 201	Clabuesch, S.R.	R
91840		BIOL-169L-01		Plant Ecology Lab	5	W	LAB	TTh	01:30P-05:30P		Thimann Lab 203	Parker, I.M.	R
<i>Concurrent enrollment in BIOL 169 is required; taught in conjunction with BIOL 269L</i>													
91842		BIOL-175 -01		Evolution	5		LEC	MWF	11:00A-12:10P		N. Sci Annex 101	Pogson, G.	R
<i>Enroll in lecture and associated discussion section</i>													
91844		BIOL-175 -01A		Secondary Discuss	0		DIS	T	08:30A-09:40A		N. Sci Annex 102	Staff	
91846		BIOL-175 -01B		Secondary Discuss	0		DIS	Th	12:00P-01:10P		N. Sci Annex 102	Staff	
97962		BIOL-187L-01		Molec Biotech Lab	5		LAB	TTh	08:00A-01:00P		Thimann Lab 215	Zavanelli, M.I.	

Consent Required
Classes that are flagged with a "Y" require additional permission from the department or instructor.

General Education Codes (Gen Ed)
H = Intro to Humanities and Arts
N = Intro Natural Sciences
S = Intro Social Sciences
C = Composition Course
W = Writing-Intensive Course
Q = Quantitative Course
A = Arts Course
E = Ethnic Studies/Third World Course
Topical Courses
2 = Natural Sciences
3 = Social Sciences
4 = Humanities & Arts
5 = Humanities & Arts or Social Sciences
6 = Humanities & Arts or Natural Sciences
7 = Natural Sciences or Social Sciences

Activity Codes
LEC = Lecture
SEM = Seminar
IND = Individual Study
LAB = Primary lab course
STU = Studio
FLD = Field study
LBI = Lab individual study
STI = Studio individual study
FLI = Field individual study
DIS = Secondary discussion section
LBS = Secondary lab
LDS = Discussion for primary lab
STS = Secondary studio
FLS = Secondary field study

Note
This is a reminder that there is an associated discussion section or lab that must also be enrolled in when enrolling for the lecture.

Check the online schedule for updates, additions, and room assignments for secondary discussions and labs.

College Eight

24506	CLEI-42C-01	SDS:Human Sexuality	5	SEM TTh	06:00P-07:45P	Soc Sci I 145	Staff						
<i>Your college will be enrolling you in the appropriate section of the Core course. Upon your arrival at UCSC you can check the course lists posted at College Eight to find out your assigned section</i>													
24479	CLEI-80A-01	UD:Environ/Society	5	3CI SEM	MWF 09:30A-10:40A	Eight Acad 250	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24480	CLEI-80A-02	UD:Environ/Society	5	3CI SEM	MWF 09:30A-10:40A	TBA	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24481	CLEI-80A-03	UD:Environ/Society	5	3CI SEM	MWF 09:30A-10:40A	TBA	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24482	CLEI-80A-04	UD:Environ/Society	5	3CI SEM	MWF 08:00A-09:10A	Eight Acad 250	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24483	CLEI-80A-05	UD:Environ/Society	5	3CI SEM	MWF 08:00A-09:10A	Eight Acad 252	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24491	CLEI-80A-06	UD:Environ/Society	5	3CI SEM	MWF 09:30A-10:40A	TBA	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24492	CLEI-80A-07	UD:Environ/Society	5	3CI SEM	MWF 11:00A-12:10P	TBA	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24493	CLEI-80A-08	UD:Environ/Society	5	3CI SEM	MWF 02:30P-03:10P	Eight Acad 242	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24494	CLEI-80A-09	UD:Environ/Society	5	3CI SEM	MWF 12:30P-01:40P	Eight Acad 242	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24495	CLEI-80A-10	UD:Environ/Society	5	3CI SEM	MWF 12:30P-01:40P	Eight Acad 252	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24496	CLEI-80A-11	UD:Environ/Society	5	3CI SEM	MWF 09:30A-10:40A	Eight Acad 252	Scripture,D.D.						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24497	CLEI-80A-12	UD:Environ/Society	5	3CI SEM	MWF 11:00A-12:10P	Eight Acad 252	Scripture,D.D.						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24498	CLEI-80A-13	UD:Environ/Society	5	3CI SEM	MWF 11:00A-12:10P	Eight Acad 250	Mc Kercher,P.M.						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24499	CLEI-80A-14	UD:Environ/Society	5	3CI SEM	MWF 12:30P-01:40P	Eight Acad 250	Mc Kercher,P.M.						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24500	CLEI-80B-01	Rl:EnvironmntSociety	5	3C2 SEM	MWF 09:30A-10:40A	Eight Acad 242	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
24501	CLEI-80B-02	Rl:EnvironmntSociety	5	3C2 SEM	MWF 11:00A-12:10P	Eight Acad 242	Staff						R
					M 07:00P-08:45P	Media Theater M110	Spafford,R.L.						
13763	CLEI-90-01	Garden Internship	1	SEM T	04:00P-05:30P	Eight Garden	Calsoyas,C.						R
22810	CLEI-90-02	Garden Internship	1	SEM T	04:00P-05:30P	Eight Garden	Gliessman,S.R.						R
	CLEI-99-XXX	Tutorial	5	IND	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													
	CLEI-99F-XXX	Tutorial	2	IND	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													
	CLEI-195-XXX	Senior Thesis	5	IND	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													
	CLEI-198-XXX	Indep Field Study	5	FLI	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													
	CLEI-199-XXX	Tutorial	5	IND	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													
	CLEI-199F-XXX	Tutorial	2	IND	**To Be Arranged**		Staff						
<i>See sponsoring agency for class number</i>													

College Nine

Students who have not satisfied the Entry Level Writing requirement must enroll in course 80A sections 01 through 05. Students who have satisfied the Entry Level Writing requirement must enroll in course 80A sections 06 through 15. Students who have satisfied the Entry Level Writing and CI Composition requirements should enroll in course 80B sections 01 or 02.

24629	CLNI-80A-01	UD:Intl/Global Issues	5	3CI SEM	MWF 09:30A-10:40A	Soc Sci 2 171	Staff						R
24630	CLNI-80A-02	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 363	Staff						R
24631	CLNI-80A-03	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 171	Staff						R
24632	CLNI-80A-04	UD:Intl/Global Issues	5	3CI SEM	MWF 02:00P-03:10P	Soc Sci 2 363	Staff						R
24633	CLNI-80A-05	UD:Intl/Global Issues	5	3CI SEM	MWF 02:00P-03:10P	Soc Sci 2 171	Staff						R
24634	CLNI-80A-06	UD:Intl/Global Issues	5	3CI SEM	MWF 09:30A-10:40A	Soc Sci 1 145	Staff						R
24635	CLNI-80A-07	UD:Intl/Global Issues	5	3CI SEM	MWF 09:30A-10:40A	Soc Sci 1 153	Staff						R
24636	CLNI-80A-08	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 159	Staff						R
24637	CLNI-80A-09	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 165	Staff						R
24638	CLNI-80A-10	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 167	Staff						R
24639	CLNI-80A-11	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 2 141	Staff						R
24640	CLNI-80A-12	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 1 145	Staff						R
24641	CLNI-80A-13	UD:Intl/Global Issues	5	3CI SEM	MWF 12:30P-01:40P	Soc Sci 1 153	Staff						R
24642	CLNI-80A-14	UD:Intl/Global Issues	5	3CI SEM	MWF 02:00P-03:10P	Soc Sci 1 145	Staff						R
24643	CLNI-80A-15	UD:Intl/Global Issues	5	3CI SEM	MWF 02:00P-03:10P	Soc Sci 1 149	Staff						R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24644		CLNI-80B-01		RI:Intl/Global Issues	5	3C2 SEM	MWF		09:30A-10:40A		Soc Sci I 149	Staff	R
24645		CLNI-80B-02		RI:Intl/Global Issues	5	3C2 SEM	MWF		02:00P-03:10P		Soc Sci I 153	Staff	R
24646	Y	CLNI-80H-01		RI:Intl/Global Issues (H)	5	3C2 SEM	MWF		12:30P-01:40P		Soc Sci I 149	Staff	
		CLNI-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLNI-199-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLNI-199F-XXX		Independent Study	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

College Ten

Students who have not satisfied the Entry Level Writing requirement must enroll in course 80A sections 01 through 05. Students who have satisfied the Entry Level Writing requirement must enroll in course 80A sections 06 through 14. Students who have satisfied the Entry Level Writing and CI Composition requirements should enroll in course 80B sections 01 or 02.

24647		CLTE-80A-01		UD:Social Justice	5	3C1 SEM	MWF		09:30A-10:40A		Soc Sci 2 141	Staff	R
24648		CLTE-80A-02		UD:Social Justice	5	3C1 SEM	MWF		09:30A-10:40A		Soc Sci 2 363	Staff	R
24649		CLTE-80A-03		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 2 141	Staff	R
24650		CLTE-80A-04		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 2 171	Staff	R
24651		CLTE-80A-05		UD:Social Justice	5	3C1 SEM	MWF		02:00P-03:10P		Soc Sci 2 141	Staff	R
24652		CLTE-80A-06		UD:Social Justice	5	3C1 SEM	MWF		09:30A-10:40A		Soc Sci 2 165	Staff	R
24653		CLTE-80A-07		UD:Social Justice	5	3C1 SEM	MWF		09:30A-10:40A		Soc Sci 2 167	Staff	R
24654		CLTE-80A-08		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 1 145	Staff	R
24655		CLTE-80A-09		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 1 153	Staff	R
24656		CLTE-80A-10		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 2 159	Staff	R
24657		CLTE-80A-11		UD:Social Justice	5	3C1 SEM	MWF		11:00A-12:10P		Soc Sci 2 165	Staff	R
24658		CLTE-80A-12		UD:Social Justice	5	3C1 SEM	MWF		02:00P-03:10P		Soc Sci 2 159	Staff	R
24659		CLTE-80A-13		UD:Social Justice	5	3C1 SEM	MWF		02:00P-03:10P		Soc Sci 2 165	Staff	R
24660		CLTE-80A-14		UD:Social Justice	5	3C1 SEM	MWF		02:00P-03:10P		Soc Sci 2 167	Staff	R
24661		CLTE-80B-01		RI: Social Justice	5	3C2 SEM	MWF		09:30A-10:40A		Soc Sci 2 159	Staff	R
24662		CLTE-80B-02		RI: Social Justice	5	3C2 SEM	MWF		11:00A-12:10P		Soc Sci 1 149	Staff	R
24663	Y	CLTE-80H-01		RI:Social Justice(H)	5	3C2 SEM	MWF		11:00A-12:10P		Soc Sci 2 363	Staff	
		CLTE-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-193F-XXX		Field Study	2	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-199-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-199F-XXX		Independent Study	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Cowell College

10491		COWL-70A-01		Bookbinding	5	A STU MW			01:00P-04:00P		Cowell Press 123	Staff	
				<i>Also offered as Art 70A; taught in conjunction with ART 111</i>									
				<i>All Cowell frosh must enroll in a section of Cowell 80A or 80B. To determine if you should enroll in Cowell 80A or 80B, please refer to the core course information mailed to you by the college.</i>									
24461		COWL-80A-01		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Com 134	Staff	R
24462		COWL-80A-02		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		Cowell Com 134	Staff	R
24463		COWL-80A-03		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Acad 223	Staff	R
24464		COWL-80A-04		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		Cowell Acad 223	Staff	R
24465		COWL-80A-05		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Acad 216	Staff	R
24466		COWL-80A-06		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		Cowell Com 133	Staff	R
24467		COWL-80A-07		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Com 147	Staff	R
24468		COWL-80A-08		UD: Imagining Justice	5	4C1 SEM			**To Be Arranged**			Staff	R
24469		COWL-80A-09		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Com 133	Staff	R
24470		COWL-80A-10		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		Cowell Acad 216	Staff	R
24471		COWL-80A-11		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		Cowell Acad 222	Staff	R
24472		COWL-80A-12		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		Cowell Acad 222	Staff	R
24473		COWL-80A-13		UD: Imagining Justice	5	4C1 SEM			**To Be Arranged**			Staff	R
24474		COWL-80A-14		UD: Imagining Justice	5	4C1 SEM	MWF		09:30A-10:40A		TBA	Staff	R
24475		COWL-80A-15		UD: Imagining Justice	5	4C1 SEM	MWF		12:30P-01:40P		TBA	Staff	R
24476		COWL-80B-01		RI:Imagining Justice	5	4C2 SEM	MWF		09:30A-10:40A		Cowell Acad 113	Staff	R
24477		COWL-80B-02		RI:Imagining Justice	5	4C2 SEM	MWF		12:30P-01:40P		Cowell Acad 113	Staff	R
24478		COWL-80B-03		RI:Imagining Justice	5	4C2 SEM			**To Be Arranged**			Staff	R
24671	Y	COWL-184A-01		Leadership & Instit	2	LEC M			05:00P-07:00P		Bay Tree Conf D	Ladusaw,W.A.	

Crown College

If you have not satisfied the Entry Level Writing Requirement, enroll in any section from 1-7. If you have satisfied the ELWR, but not the CI requirement, enroll in any section from 8-15. If you have satisfied the CI requirement, enroll in Crown 80B.

24444		CRWN-80A-01		UD:Ethical Issues	5	4C1 SEM	MWF		12:30P-01:40P		Crown Clrm 201	Staff	R
							MW		07:00P-08:45P		Classroom 002		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24445	CRWN-80A-02	UD:Ethical Issues	5	4C1 SEM	MWF	02:00P-03:10P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24446	CRWN-80A-03	UD:Ethical Issues	5	4C1 SEM	MWF	11:00A-12:10P	Crown Clrm 201	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24447	CRWN-80A-04	UD:Ethical Issues	5	4C1 SEM	TTh	10:00A-11:45A	Crown Clrm 203	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24448	CRWN-80A-05	UD:Ethical Issues	5	4C1 SEM	TTh	02:00P-03:45P	Crown Clrm 203	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24449	CRWN-80A-06	UD:Ethical Issues	5	4C1 SEM	TTh	04:00P-05:45P	Crown Clrm 201	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24450	CRWN-80A-07	UD:Ethical Issues	5	4C1 SEM	MWF	11:00A-12:10P	Crown Clrm 203	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24451	CRWN-80A-08	UD:Ethical Issues	5	4C1 SEM	MWF	09:30A-10:40A	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24452	CRWN-80A-09	UD:Ethical Issues	5	4C1 SEM	MWF	03:30P-04:40P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24453	CRWN-80A-10	UD:Ethical Issues	5	4C1 SEM	TTh	10:00A-11:45A	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24454	CRWN-80A-11	UD:Ethical Issues	5	4C1 SEM	TTh	12:00P-01:45P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24455	CRWN-80A-12	UD:Ethical Issues	5	4C1 SEM	TTh	02:00P-03:45P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24456	CRWN-80A-13	UD:Ethical Issues	5	4C1 SEM	TTh	04:00P-05:45P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24457	CRWN-80A-14	UD:Ethical Issues	5	4C1 SEM	TTh	06:00P-07:45P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24458	CRWN-80A-15	UD:Ethical Issues	5	4C1 SEM	MWF	11:00A-12:10P	Crown Clrm 202	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24459	CRWN-80B-01	RI:Ethical Issues	5	4C2 SEM	MWF	09:30A-10:40A	Crown Clrm 203	Staff	R				
					MW	07:00P-08:45P	Classroom 002						
24460	CRWN-80B-02	RI:Ethical Issues	5	4C2 SEM	TTh	04:00P-05:45P	Crown Clrm 203	Staff	R				
					MW	07:00P-08:45P	Classroom 002						

Kresge College

24555	KRSG-80A-01	UD:Power&Represent	5	5C1 SEM	TTh	04:00P-05:45P	Kresge Clrm 319	Fatemi,F.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24556	KRSG-80A-02	UD:Power&Represent	5	5C1 SEM	TTh	10:00A-11:45A	Kresge Clrm 325	Detar,E.A.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24557	KRSG-80A-03	UD:Power&Represent	5	5C1 SEM	TTh	02:00P-03:45P	Kresge Clrm 325	Detar,E.A.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24558	KRSG-80A-04	UD:Power&Represent	5	5C1 SEM	TTh	10:00A-11:45A	Kresge Clrm 319	Lopez,L.A.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24559	KRSG-80A-05	UD:Power&Represent	5	5C1 SEM	TTh	02:00P-03:45P	Kresge Clrm 319	Lopez,L.A.	R
					T	07:00P-08:10P	Krsg Town Hall 466		
24560	KRSG-80A-06	UD:Power&Represent	5	5C1 SEM	TTh	08:00A-09:45A	Kresge Rec 159	Faunce,B.K.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24561	KRSG-80A-07	UD:Power&Represent	5	5C1 SEM	TTh	10:00A-11:45A	Kresge Rec 159	Faunce,B.K.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24562	KRSG-80A-08	UD:Power&Represent	5	5C1 SEM	TTh	08:00A-09:45A	Kresge Clrm 323	Cooper,W.S.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24563	KRSG-80A-09	UD:Power&Represent	5	5C1 SEM	TTh	10:00A-11:45A	Kresge Clrm 323	Cooper,W.S.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24564	KRSG-80A-10	UD:Power&Represent	5	5C1 SEM	TTh	02:00P-03:45P	Kresge Clrm 323	Staff	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24565	KRSG-80A-11	UD:Power&Represent	5	5C1 SEM	TTh	04:00P-05:45P	Kresge Clrm 323	Staff	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24566	KRSG-80A-12	UD:Power&Represent	5	5C1 SEM	TTh	04:00P-05:45P	Kresge Acad 194	Staff	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24567	KRSG-80B-01	RI:Power&Representat	5	5C2 SEM	TTh	02:00P-03:45P	Kresge Rec 159	Hamilton,R.P.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
24568	KRSG-80B-02	RI:Power&Representat	5	5C2 SEM	TTh	04:00P-05:45P	Kresge Rec 159	Hamilton,R.P.	R
					T	07:00P-09:00P	Krsg Town Hall 466		
17821	KRSG-80T-01	Power&Representation	5	5W SEM	W	07:00P-09:00P	Porter Acad 249	Staff	R
					TTh	02:00P-03:45P	Kresge Acad 194	Lunine,B.D.	
	KRSG-99-XXX	Tutorial	5	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	KRSG-192-XXX	Dir Stu Teach	5	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	KRSG-193-XXX	Field Study	5	FLI		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
KRSG-194-XXX				Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
KRSG-195-XXX				Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
KRSG-198-XXX				Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
KRSG-199-XXX				Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

Merrill College

All Merrill frosh are required to take MERR 80A, 80B or 80X, the Merrill College Core Course. Please refer to your advising packet and the web site <http://www2.ucsc.edu/merrill/academics> for details on enrolling in the course. If you have satisfied your UC Writing requirement, enroll in any course numbered MERR-80A-01 through MERR-80A-05. Those who have not should enroll in MERR-80A-06 through MERR 80A-11.

24431	MERR-80A-01	UD: Cultural IDs	5	3C1E SEM	MWF	09:30A-10:40A	Ch Merr Rm 100 Classroom 002	Harris-Frisk,J.	R
24432	MERR-80A-02	UD: Cultural IDs	5	3C1E SEM	MWF	12:30P-01:40P	Ch Merr Rm 100 Classroom 002	Harris-Frisk,J.	R
24433	MERR-80A-03	UD: Cultural IDs	5	3C1E SEM	TTh	08:00A-09:45A	Ch Merr Rm 100 Classroom 002	Iannetta,M.E.	R
24434	MERR-80A-04	UD: Cultural IDs	5	3C1E SEM	TTh	10:00A-11:45A	Ch Merr Rm 100 Classroom 002	Iannetta,M.E.	R
24435	MERR-80A-05	UD: Cultural IDs	5	3C1E SEM	TTh	12:00P-01:45P	Merrill Acad 130 Classroom 002	Martyna,W.	R
24436	MERR-80A-06	UD: Cultural IDs	5	3C1E SEM	MWF	11:00A-12:10P	Merrill Acad 002 Classroom 002	Newberry,E.S.	R
24437	MERR-80A-07	UD: Cultural IDs	5	3C1E SEM	MWF	11:00A-12:10P	Merrill Acad 003 Classroom 002	Domhoff,J.J.	R
24438	MERR-80A-08	UD: Cultural IDs	5	3C1E SEM	MWF	12:30P-01:40P	Merrill Acad 002 Classroom 002	Newberry,E.S.	R
24439	MERR-80A-09	UD: Cultural IDs	5	3C1E SEM	MWF	12:30P-01:40P	Merrill Acad 003 Classroom 002	Domhoff,J.J.	R
24440	MERR-80A-10	UD: Cultural IDs	5	3C1E SEM	TTh	08:00A-09:45A	Merrill Acad 002 Classroom 002	Parmeter,S.	R
24441	MERR-80A-11	UD: Cultural IDs	5	3C1E SEM	TTh	10:00A-11:45A	Merrill Acad 002 Classroom 002	Parmeter,S.	R
24442	MERR-80B-01	RI:Cultural IDs&Glob	5	3C2E SEM	MWF	02:00P-03:10P	Ch Merr Rm 100 Classroom 002	Gerster,C.J.	R
24443	Y MERR-80X-01	UD: Cultrl IDs&GC	5	3C1E SEM	MWF	09:30A-10:40A	Merrill Prov 001	Staff	
23054	Y MERR-85A-01	Classrm Connection	5	FLD		**To Be Arranged**		Turrentine,T.S.	
23055	Y MERR-85B-01	Classrm Connection	3	FLD		**To Be Arranged**		Turrentine,T.S.	

Oakes College

19761	Y OAKS-10-01	Academic Success	2	SEM	TTh	04:00P-05:00P	Oakes Acad 102	Bartee,R.L.	
24611	OAKS-80A-01	UD: Values & Change	5	5C1E SEM	MWF	08:00A-09:10A	Oakes Acad 222 Media Theater M110	King,R.Y.	R
24612	OAKS-80A-02	UD: Values & Change	5	5C1E SEM	MWF	09:30A-10:40A	Oakes Acad 222 Media Theater M110	King,R.Y.	R
24613	OAKS-80A-03	UD: Values & Change	5	5C1E SEM	MWF	11:00A-12:10P	Oakes Acad 222 Media Theater M110	Baker,M.	R
24614	OAKS-80A-04	UD: Values & Change	5	5C1E SEM	MWF	12:30P-01:40P	Oakes Acad 102 Media Theater M110	Levin,P.R.	R
24615	OAKS-80A-05	UD: Values & Change	5	5C1E SEM	MWF	02:00P-03:10P	Oakes Acad 102 Media Theater M110	Dodson,D.P.	R
24616	OAKS-80A-06	UD: Values & Change	5	5C1E SEM	TTh	02:00P-03:45P	Oakes Acad 103 Media Theater M110	Rothman,D.L.	R
24617	OAKS-80A-07	UD: Values & Change	5	5C1E SEM	TTh	04:00P-05:45P	Oakes Acad 222 Media Theater M110	Rothman,D.L.	R
24618	OAKS-80A-08	UD: Values & Change	5	5C1E SEM	MWF	09:30A-10:40A	Oakes Acad 102 Media Theater M110	Staff	R
24619	OAKS-80A-09	UD: Values & Change	5	5C1E SEM	MWF	11:00A-12:10P	Oakes Acad 103 Media Theater M110	Staff	R
24620	OAKS-80A-10	UD: Values & Change	5	5C1E SEM	TTh	10:00A-11:45A	Oakes Acad 222 Media Theater M110	Knisely,L.E.	R
24621	OAKS-80A-11	UD: Values & Change	5	5C1E SEM	TTh	12:00P-01:45P	Oakes Acad 222 Media Theater M110	Knisely,L.E.	R
24622	OAKS-80A-12	UD: Values & Change	5	5C1E SEM	MWF	11:00A-12:10P	Oakes Acad 102 Media Theater M110	Martinez,C.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24623	OAKS-80A-13	UD: Values & Change	5	5C1E SEM	MWF	12:30P-01:40P	W	07:00P-10:00P	Oakes Acad 103	Martinez,C.	R		
24624	OAKS-80A-14	UD: Values & Change	5	5C1E SEM	MWF	02:00P-03:10P	W	07:00P-10:00P	Oakes Acad 222	Levin,P.R.	R		
24625	OAKS-80A-15	UD: Values & Change	5	5C1E SEM	MWF	12:30P-01:40P	W	07:00P-10:00P	Oakes Acad 222	Staff	R		
24626	OAKS-80A-16	UD: Values & Change	5	5C1E SEM	MWF	02:00P-03:10P	W	07:00P-10:00P	Oakes Acad 103	Staff	R		
24627	OAKS-80A-17	UD: Values & Change	5	5C1E SEM	MWF	03:30P-04:40P	W	07:00P-10:00P	Oakes Acad 222	Staff	R		
24628	OAKS-80B-01	RI: Values and Change	5	5C2E SEM	MWF	09:30A-10:40A	W	07:00P-10:00P	Oakes Acad 103	Baker,M.	R		
	OAKS-93-XXX	Field Study	5	FLI		**To Be Arranged**				Staff			
		<i>See sponsoring agency for class number</i>											
	OAKS-99F-XXX	Independent Study	2	IND		**To Be Arranged**				Staff			
		<i>See sponsoring agency for class number</i>											
	OAKS-193-XXX	Field Study	5	FLI		**To Be Arranged**				Staff			
		<i>See sponsoring agency for class number</i>											
	OAKS-199F-XXX	Independent Study	2	IND		**To Be Arranged**				Staff			
		<i>See sponsoring agency for class number</i>											

Porter College

20850	PRTR-22A-01	Day Of The Dead	2	A SEM F	04:30P-06:30P				Porter Din 002	Apodaca,R.	
		<i>All Porter frosh are required to take Porter 80A or 80B. Please refer to the advising packet from your college for details on enrolling in the class</i>									
24586	PRTR-80A-01	UD: Writing/Arts	5	4C1 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Acad 241	Staff	R
24587	PRTR-80A-02	UD: Writing/Arts	5	4C1 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Acad 222	Staff	R
24588	PRTR-80A-03	UD: Writing/Arts	5	4C1 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Acad 249	Staff	R
24589	PRTR-80A-04	UD: Writing/Arts	5	4C1 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Acad 222	Staff	R
24590	PRTR-80A-05	UD: Writing/Arts	5	4C1 SEM	M	08:00P-10:00P			Porter Din 001	Staff	R
24591	PRTR-80A-06	UD: Writing/Arts	5	4C1 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Din 002	Staff	R
24592	PRTR-80A-07	UD: Writing/Arts	5	4C1 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Acad 249	Staff	R
24593	PRTR-80A-08	UD: Writing/Arts	5	4C1 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Din 002	Staff	R
24594	PRTR-80A-09	UD: Writing/Arts	5	4C1 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Acad 241	Staff	R
24595	PRTR-80A-10	UD: Writing/Arts	5	4C1 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Fire 101	Staff	R
24596	PRTR-80A-11	UD: Writing/Arts	5	4C1 SEM	MWF	02:00P-03:10P	M	08:00P-10:00P	Porter Acad 249	Staff	R
24597	PRTR-80A-12	UD: Writing/Arts	5	4C1 SEM	MWF	03:30P-04:40P	M	08:00P-10:00P	Porter Acad 249	Staff	R
24598	PRTR-80A-13	UD: Writing/Arts	5	4C1 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Din 001	Staff	R
24599	PRTR-80A-14	UD: Writing/Arts	5	4C1 SEM	MWF	02:00P-03:10P	M	08:00P-10:00P	Porter Acad 241	Staff	R
24600	PRTR-80A-15	UD: Writing/Arts	5	4C1 SEM	MWF	02:00P-03:10P	M	08:00P-10:00P	Porter Acad 246	Staff	R
24601	PRTR-80A-16	UD: Writing/Arts	5	4C1 SEM	MWF	12:30P-01:40P	M	08:00P-10:00P	Porter Acad 246	Staff	R
24602	PRTR-80B-01	RI: WritingAcrossArts	5	4C2 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Acad 246	Staff	R
24603	PRTR-80B-02	RI: WritingAcrossArts	5	4C2 SEM	MWF	09:30A-10:40A	M	08:00P-10:00P	Porter Acad 250	Staff	R
24604	PRTR-80B-03	RI: WritingAcrossArts	5	4C2 SEM	MWF	11:00A-12:10P	M	08:00P-10:00P	Porter Acad 246	Staff	R
24605	PRTR-80B-04	RI: WritingAcrossArts	5	4C2 SEM	MWF	12:30P-01:40P	M	08:00P-10:00P	Porter Acad 249	Staff	R
23683	PRTR-83-01	Pac Rim Film Fest	2	A SEM W	04:00P-06:00P				Porter Din 002	Foley,M.K.	
22616	PRTR-121D-01	Sundanese Gamelan	2	A STU Th	02:00P-04:00P				Gamelan Stu 230B	Sumarna,U.	
20873	PRTR-180-01	Pedagogical Practic	5	SEM T	04:00P-05:45P				Porter Din 002	Giges,R.E.	
	PRTR-194-XXX	Group Tutorial	5	IND		**To Be Arranged**				Staff	
		<i>See sponsoring agency for class number</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
Stevenson College													
24569		STEV-80A-01		UD:Self & Society	5	5C1	SEM	TTh	10:00A-11:45A		Steven Acad 221	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24570		STEV-80A-02		UD:Self & Society	5	5C1	SEM	TTh	10:00A-11:45A		Steven Acad 151	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24571		STEV-80A-03		UD:Self & Society	5	5C1	SEM	MWF	12:30P-01:40P		Steven Acad 152	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24572		STEV-80A-04		UD:Self & Society	5	5C1	SEM	MWF	09:30A-10:40A		Steven Acad 152	Staff	R
								M	07:00P-08:00P		Steven Din 180		
24573		STEV-80A-05		UD:Self & Society	5	5C1	SEM	MWF	09:30A-10:40A		Steven Acad 221	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24574		STEV-80A-06		UD:Self & Society	5	5C1	SEM	MWF	12:30A-01:40A		Steven Acad 221	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24575		STEV-80A-07		UD:Self & Society	5	5C1	SEM	MWF	08:00A-09:10A		Steven Acad 151	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24576		STEV-80A-08		UD:Self & Society	5	5C1	SEM	MWF	12:30P-01:40P		Steven Acad 131	Staff	R
								M	07:00P-08:00P		Steven Din 180		
24577		STEV-80A-09		UD:Self & Society	5	5C1	SEM	MWF	09:30A-10:40A		Steven Acad 151	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24578		STEV-80A-10		UD:Self & Society	5	5C1	SEM	MWF	12:30P-01:40P		Steven Acad 151	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24579		STEV-80A-11		UD:Self & Society	5	5C1	SEM	TTh	10:00A-11:45A		Steven Acad 213	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24580		STEV-80A-12		UD:Self & Society	5	5C1	SEM	MWF	02:00P-03:10P		Steven Acad 152	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24581		STEV-80A-13		UD:Self & Society	5	5C1	SEM	MWF	09:30A-10:40A		Steven Acad 213	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24582		STEV-80B-01		RI:Self & Society	5	5C2	SEM	MWF	12:30P-01:40P		Steven Acad 217	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24583		STEV-80B-02		RI:Self & Society	5	5C2	SEM	MWF	09:30A-10:40A		Steven Acad 217	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24584		STEV-80B-03		RI:Self & Society	5	5C2	SEM	TTh	10:00A-11:45A		Steven Acad 217	Staff	R
								M	07:00P-09:00P		Steven Din 180		
24585		STEV-80B-04		RI:Self & Society	5	5C2	SEM	TTh	10:00A-11:45A		Steven Acad 152	Staff	R
								M	07:00P-09:00P		Steven Din 180		
22033		STEV-80H-01		Rainbow Theater	5	4E	SEM		10:00A-11:45A			Williams,D.	
		STEV-194-XXX		Group Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		STEV-194F-XXX		Group Tutorial	2		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		STEV-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		STEV-199F-XXX		Tutorial	2		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
American Studies													
10009		AMST-2-01		Calif & Californian	5	HE	LEC	MWF	08:00A-09:10A		Media Theater M110	Lipsitz,G.	
23023		AMST-80E-01		US Racial/EthnicHist	5	5E	LEC	TTh	02:00P-03:45P		Steven Acad 150	Rose,P.L.	
		AMST-93-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23932		AMST-100-01		Concepts Amer Study	5	W	LEC	MWF	02:00P-03:10P		Oakes Acad 101	Robinson,F.G.	R
23933		AMST-102B-01		Sexuality & Culture	5		LEC	TTh	06:00P-07:45P		Eight Acad 240	Staff	
23934		AMST-123F-01		Native Amer Women	5	E	LEC	TTh	02:00P-03:45P		Eight Acad 250	Ramirez,R.K.	
24502		AMST-126C-01		Chicana/o Lit & Film	5	E	LEC	TTh	04:00P-05:45P		Steven Acad 175	Staff	
23935		AMST-188-01		9/11	5		SEM	TTh	10:00A-11:45A		Eight Acad 252	Porter,E.C.	
23936		AMST-190E-01		Rethnking Am Stdies	5		SEM	TTh	04:00P-05:45P		Oakes Acad 101	Porter,E.C.	
		AMST-192-XXX		Dir Stu Teach	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-194-XXX		Group Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-195A-XXX		Senior Project	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-195B-XXX		Senior Project	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
AMST-198-XXX				Indep Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
AMST-199-XXX				Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Anthropology

10210	ANTH-1-01	Intr Humn Evolution	5	N	LEC	MWF		11:00A-12:10P			Media Theater M110	Zihlman,A.L.	
		<i>Enroll in lecture and associated discussion section</i>											
10211	ANTH-1-01A	Discussion			DIS	M		12:30P-01:40P			Soc Sci 1 461	Staff	
10212	ANTH-1-01B	Discussion			DIS	M		02:00P-03:10P			Soc Sci 1 461	Staff	
10213	ANTH-1-01C	Discussion			DIS	M		03:30P-04:40P			Soc Sci 1 461	Staff	
10214	ANTH-1-01D	Discussion			DIS	M		05:00P-06:10P			Soc Sci 1 461	Staff	
10215	ANTH-1-01E	Discussion			DIS	T		08:00A-09:10A			Soc Sci 1 461	Staff	
10216	ANTH-1-01F	Discussion			DIS	T		10:00A-11:10A			Soc Sci 1 461	Staff	
10217	ANTH-1-01G	Discussion			DIS	T		12:00P-01:10P			Soc Sci 1 461	Staff	
10218	ANTH-1-01H	Discussion			DIS	T		02:00P-03:10P			Soc Sci 1 461	Staff	
10219	ANTH-1-01I	Discussion			DIS	T		04:00P-05:10P			Soc Sci 1 461	Staff	
10220	ANTH-1-01J	Discussion			DIS	T		06:00P-07:10P			Soc Sci 1 461	Staff	
10221	ANTH-1-01K	Discussion			DIS	W		08:00A-09:10A			Soc Sci 1 461	Staff	
10222	ANTH-1-01L	Discussion			DIS	W		09:30A-10:40A			Soc Sci 1 461	Staff	
10223	ANTH-1-01M	Discussion			DIS	W		12:30P-01:40P			Soc Sci 1 461	Staff	
10224	ANTH-1-01N	Discussion			DIS	W		02:00P-03:10P			Soc Sci 1 461	Staff	
10225	ANTH-1-01O	Discussion			DIS	W		03:30P-04:40P			Soc Sci 1 461	Staff	
10226	ANTH-1-01P	Discussion			DIS	W		05:00P-06:10P			Soc Sci 1 461	Staff	
10227	ANTH-1-01Q	Discussion			DIS	Th		08:00A-09:10A			Soc Sci 1 461	Staff	
10228	ANTH-1-01R	Discussion			DIS	Th		10:00A-11:10A			Soc Sci 1 461	Staff	
10229	ANTH-1-01S	Discussion			DIS	Th		12:00P-01:10P			Soc Sci 1 461	Staff	
10230	ANTH-1-01T	Discussion			DIS	Th		02:00P-03:10P			Soc Sci 1 461	Staff	
22502	ANTH-1-01U	Discussion			DIS	Th		04:00P-05:10P			Soc Sci 1 461	Staff	
23937	ANTH-801-01	Citr Power Lat Amer	5	3E	LEC	MWF		11:00A-12:10P			Soc Sci 1 110	Anderson,M.D.	
24673	ANTH-81A-01	Mexican Folk Dance	2	A	STU	Su		07:00P-10:00P			E Fieldhouse	Najera Ramirez,O.	
		<i>Also offered as LALS 81A</i>				F		06:00P-08:00P			E Fieldhouse		
						Sa		05:00P-07:00P			E Fieldhouse		
23938	ANTH-102A-01	Human Skeletal Biol	5		LEC	TTh		12:00P-01:45P			Porter Acad 250	Wedel,V.L.	R
24738	ANTH-103-01	Forensic Anthro	5		LEC	TTh		04:00P-05:45P			Soc Sci 1 110	Rockhold,L.A.	
23940	ANTH-123-01	Psychological Anth	5		LEC	TTh		02:00P-03:45P			Porter Acad 144	Lindh,P.	
23941	ANTH-130A-01	People of Africa	5	E	LEC	MW		05:00P-06:45P			Kresge Clrm 327	Shaw,C.M.	
23943	ANTH-130E-01	Politics of SE Asia	5	E	LEC	TTh		10:00A-11:45A			Oakes Acad 106	Cate,S.L.	R
24404	ANTH-130J-01	Jews, Jewishness	5	E	LEC	TTh		02:00P-03:45P			Soc Sci 2 179	Klein,M.	
22510	ANTH-134-01	Intro Medical Anthro	5		LEC	TTh		04:00P-05:45P			Engineer 2 192	Klein,M.	
24503	ANTH-135A-01	Cities	5		LEC	TTh		06:00P-07:45P			Engineer 2 194	Marlovits,J.E.	
10236	ANTH-150-01	Communicating Anth	5	W	LEC	TTh		04:00P-05:45P			Crown Clrm 208	Raffles,H.D.	R
10237	ANTH-170-01	His Archaeol Theory	5	W	LEC	TTh		10:00A-11:45A			Soc Sci 2 159	Gifford-Gonzalez,D.	R
23944	ANTH-176A-01	No American Archlgy	5		LEC	MWF		09:30A-10:40A			Soc Sci 2 179	Habicht Mauche,J.A.	
23945	ANTH-194A-01	Evolutionary Theory	5	W	SEM	W		05:00P-08:00P			Soc Sci 1 414	Zihlman,A.L.	R
		<i>Taught in conjunction with ANTH 294A</i>											
23946	ANTH-194S-01	Anthroplogy of Sound	5	W	SEM	TTh		12:00P-01:45P			Soc Sci 2 141	Brenneis,D.L.	R
10381	ANTH-200A-01	Core Graduate Course	10		SEM	MW		12:00P-03:00P			Soc Sci 1 414	Raffles,H.D.	R
10382	ANTH-228-01	Grant Writing	5		SEM	T		03:00P-06:00P			Soc Sci 1 414	Brenneis,D.L.	R
23947	ANTH-230-01	Image Culture	5		SEM	T		06:00P-09:00P			Soc Sci 2 137	Errington,S.E.	R
10383	ANTH-270-01	His Archaeol Theory	5		LEC			**To Be Arranged**				Gifford-Gonzalez,D.	R
23948	ANTH-276A-01	No American Archeol	5		SEM			**To Be Arranged**				Habicht Mauche,J.A.	R
10384	ANTH-292-01	Graduate Colloquim	2		SEM	M		03:30P-04:40P			Soc Sci 1 261	Rofel,L.B.	R
23949	ANTH-294A-01	Evolutionary Theory	5		SEM	W		05:00P-08:00P			Soc Sci 1 414	Zihlman,A.L.	R
		<i>Taught in conjunction with ANTH 194A</i>											

Applied Mathematics and Statistics

23077	AMS-3-01	Precalculus	5	Q	LEC	TTh		04:00P-05:45P			J Baskin Engr 152	Mendes,B.S.	R
		<i>Enroll in lecture and associated discussion section</i>											
23078	AMS-3-01A	Discussion			DIS	M		03:30P-04:40P			Soc Sci 2 167	Staff	
23079	AMS-3-01B	Discussion			DIS	M		05:00P-06:10P			Soc Sci 2 167	Staff	
23080	AMS-3-01C	Discussion			DIS	T		08:30A-09:40A			Soc Sci 2 167	Staff	
23081	AMS-3-01D	Discussion			DIS	Th		10:00A-11:10A			Soc Sci 2 167	Staff	
23082	AMS-3-01E	Discussion			DIS	F		03:30P-04:40P			Soc Sci 2 167	Staff	
23083	AMS-5-01	Statistics	5	NQ	LEC	TTh		12:00P-01:45P			Kresge Clrm 321	Lee,H.K.	
		<i>Enroll in lecture and associated discussion section</i>											
23084	AMS-5-01A	Discussion			DIS	T		06:00P-07:10P			J Baskin Engr 165	Staff	
23085	AMS-5-01B	Discussion			DIS	T		07:30P-08:40P			J Baskin Engr 165	Staff	
23086	AMS-5-01C	Discussion			DIS	W		08:00A-09:10A			J Baskin Engr 165	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23087		AMS-5-01D		Discussion		DIS	W		05:00P-06:10P		J Baskin Engr 165	Staff	
23088		AMS-5-01E		Discussion		DIS	Th		06:00P-07:10P		J Baskin Engr 165	Staff	
24405		AMS-5-01F		Discussion		DIS	Th		07:30P-08:40P		J Baskin Engr 165	Staff	
23014		AMS-11A-01		Math Methd for Econ	5	Q	LEC	MWF	02:00P-03:10P		Steven Acad 150	Katznelson,J.R.	R
				<i>Also offered as ECON 11A</i>									
23015		AMS-11A-01A		Discussion		DIS	M		03:30P-04:40P		Steven Acad 151	Staff	
23016		AMS-11A-01B		Discussion		DIS	T		08:30A-09:40A		Steven Acad 152	Staff	
23017		AMS-11A-01C		Discussion		DIS	W		07:00P-08:10P		Steven Acad 152	Staff	
23018		AMS-11A-01D		Discussion		DIS	Th		08:30A-09:40A		Oakes Acad 222	Staff	
24357		AMS-11A-01E		Discussion		DIS	Th		08:00P-09:10P		Kresge Clrm 325	Staff	
24358		AMS-11A-01F		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 222	Staff	
24406		AMS-11B-01		Math Methd for Econ	5	Q	LEC	MWF	09:30A-10:40A		Steven Acad 150	Katznelson,J.R.	R
				<i>Also offered as ECON 11B</i>									
24407		AMS-11B-01A		Discussion		DIS	M		03:30P-04:40P		Soc Sci 1 145	Staff	
24408		AMS-11B-01B		Discussion		DIS	T		12:00P-01:10P		Soc Sci 1 145	Staff	
24409		AMS-11B-01C		Discussion		DIS	W		07:00P-08:10P		Soc Sci 2 165	Staff	
24410		AMS-11B-01D		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 1 145	Staff	
24411		AMS-11B-01E		Discussion		DIS	F		03:30P-04:40P		Soc Sci 2 165	Staff	
24412		AMS-11B-01F		Discussion		DIS	T		08:00P-09:10P		Soc Sci 1 145	Staff	
24552		AMS-15A-01		Contemp Calculus I	5	NQ	LEC	MWF	02:00P-03:10P		Engineer 2 194	Draper,D.	R
				<i>Concurrent enrollment in AMS 15L is required</i>									
24553		AMS-15L-01		Calculus I Lab	2		LEC	T	10:00A-12:00P		J Baskin Engr 105	Draper,D.	R
				<i>Concurrent enrollment in AMS 15A is required</i>									
24554		AMS-15L-02		Calculus I Lab	2		LEC	Th	10:00A-12:00P		J Baskin Engr 105	Staff	R
				<i>Concurrent enrollment in AMS 15A is required</i>									
23089		AMS-27-01		Math Method Engineer	5		LEC	TTh	12:00P-01:45P		Soc Sci 2 071	Cortes,J.	R
				<i>Concurrent enrollment in AMS 27L is required</i>									
23869		AMS-27-01A		Discussion		DIS	T		06:00P-07:10P		J Baskin Engr 372	Staff	
23870		AMS-27-01B		Discussion		DIS	Th		04:00P-05:10P		J Baskin Engr 372	Staff	
23090		AMS-27L-01		Math Methd Engr Lab	2		LAB	W	03:30P-04:40P		J Baskin Engr 109	Cortes,J.	R
				<i>Concurrent enrollment in AMS 27 is required</i>									
23091		AMS-27L-02		Math Methd Engr Lab	2		LAB	Th	10:30A-11:40A		J Baskin Engr 109	Cortes,J.	R
				<i>Concurrent enrollment in AMS 27 is required</i>									
23131		AMS-205-01		Mathematical Stats	5		LEC	TTh	10:00A-11:45A		J Baskin Engr 372	Sanso,B.	R
23092		AMS-211-01		Appld Math Method I	5		LEC	TTh	02:00P-03:45P		J Baskin Engr 169	Garaud,P.	R
24703		AMS-263-01		Stochastic Processes	5		LEC	TTh	12:00P-01:45P		Porter Acad 241	Kottas,A.	R

Arabic

24388		ARAB-1-01		Instr Arabic Lang	5		LEC	MWF	12:30P-01:40P		Soc Sci 2 179	Staff	
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Art

10480		ART-20-01		Intr Draw for Major	5	A	STU	MWF	05:30P-08:15P		Baskin Paint E101	Gwyn,M.	R
10481		ART-20-02		Intr Draw for Major	5	A	STU	TThSa	02:00P-04:45P		Baskin Paint E101	Staff	R
22984		ART-20-03		Intr Draw for Major	5	A	STU	TThSa	09:00A-11:45A		TA Studio C101	Staff	R
22915		ART-22-01		Intro Elect Intrmed	5	A	STU	MWF	02:00P-04:45P		Baskin Paint E102	Osborn,E.P.	R
10482		ART-23-01		Intermedia I	5	A	STU	MWF	06:00P-08:45P		Baskin Sculp 2 P108	Stephens,E.	R
10483		ART-24-01		Intr Painting, Oil	5	A	STU	MWF	02:00P-04:45P		Baskin Visul J101	Gwyn,M.	R
10485		ART-26-01		Intr To Printmaking	5	A	STU	TThSa	01:00P-03:45P		Baskin Print G101	Rangell,P.	R
10487		ART-30-01		Intr to Photography	5	A	STU	MWF	09:00A-11:45A		Baskin Photo I200	Locks,N.	R
10488		ART-30-02		Intr to Photography	5	A	STU	TThSa	09:30A-12:15P		Baskin Photo I200	Staff	R
24504		ART-39-01		Public Art I	5	A	STU	TThSa	09:00A-11:45A		Baskin Paint E101	Hibbert-Jones,W.D.	
10490		ART-60-01		Forms and Ideas	5	A	STU	MWF	09:15A-12:00P		Baskin Clay A101	Staff	R
22870		ART-70A-01		Bookbinding	5	A	STU	MW	01:00P-04:00P		Cowell Press 123	Staff	
				<i>Also offered as COWL 70A; taught in conjunction with Art 111</i>									
10492		ART-80C-01		Intro Visual Arts	5	4A	LEC	MW	09:00A-10:45A		Kresge Clrm 321	Wohlfeiler,R.A.	
				<i>Enroll in lecture and associated discussion section</i>									
10493		ART-80C-01A		Discussion		DIS	T		10:00A-11:10A		Oakes Acad 102	Staff	
10494		ART-80C-01B		Discussion		DIS	T		12:00P-01:10P		Oakes Acad 102	Staff	
10495		ART-80C-01C		Discussion		DIS	W		03:30P-04:40P		Oakes Acad 102	Staff	
10496		ART-80C-01D		Discussion		DIS	W		05:00P-06:10P		Oakes Acad 102	Staff	
10497		ART-80C-01E		Discussion		DIS	Th		06:00P-07:10P		Oakes Acad 102	Staff	
10498		ART-80C-01F		Discussion		DIS	Th		08:00P-09:10P		Oakes Acad 102	Staff	
23953		ART-80C-01G		Discussion		DIS	M		05:00P-06:10P		J Baskin Engr 165	Staff	
23954		ART-80C-01H		Discussion		DIS	M		07:00P-08:10P		J Baskin Engr 165	Staff	
23372		ART-80D-01		Intro Photography	5	4A	LEC	TTh	02:00P-03:45P		Eight Acad 240	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
23673		ART-80D-01A		Secondary Studio		STS	T		05:00P-06:10P		Baskin Photo I200	Staff	
23674		ART-80D-01B		Secondary Studio		STS	T		06:30P-07:40P		Baskin Photo I200	Staff	
23675		ART-80D-01C		Secondary Studio		STS	W		12:30P-01:40P		Baskin Photo I200	Staff	
23676		ART-80D-01D		Secondary Studio		STS	W		05:00P-06:10P		Baskin Photo I200	Staff	
23677		ART-80D-01E		Secondary Studio		STS	Th		05:00P-06:10P		Baskin Photo I200	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23678		ART-80D-01F		Secondary Studio			STS	Th	06:30P-07:40P		Baskin Photo I200	Staff	
10499		ART-80F-01		Intro Digital Media	5	6A	LEC	TTh	06:30P-08:15P		Thim Lecture 001	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
10500		ART-80F-01A		Discussion			DIS	M	06:00P-08:00P		Porter Acad 240	Staff	
10501		ART-80F-01B		Discussion			DIS	T	02:00P-04:00P		Porter Acad 240	Staff	
10502		ART-80F-01C		Discussion			DIS	W	06:00P-08:00P		Porter Acad 240	Staff	
10503		ART-80F-01D		Discussion			DIS	Th	02:00P-04:00P		Porter Acad 240	Staff	
10504		ART-80F-01E		Discussion			DIS	F	10:00A-12:00P		Porter Acad 240	Staff	
10505		ART-80F-01F		Discussion			DIS	F	02:00P-04:00P		Porter Acad 240	Staff	
		ART-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
10539		ART-101-01		Intermed/Adv Drawng	5		STU	MWF	02:00P-04:45P		Baskin Paint E101	Staff	R
10540		ART-103-01		Interm/Adv Painting	5		STU	MWF	09:00A-11:45A		Baskin Paint 2 L101	McDade,J.L.	R
23950		ART-103-02		Interm/Adv Painting	5		STU	TThSa	02:00P-04:45P		Baskin Paint 3 M101	Staff	R
23951		ART-109-01		Inter-Media II	5	A	STU	MWF	02:00P-04:45P		Baskin Sculp 2 P108	Staff	R
10542		ART-111-01		Book Arts II	5		STU	MW	01:00P-04:00P		Cowell Press 123	Staff	
				<i>Taught in conjunction with ART 70A and COWL 70A.</i>									
10543		ART-112-01		Intaglio I	5	A	STU	MWF	02:00P-04:45P		Baskin Print G101	Lee,J.	R
10544		ART-114-01		Lithography I	5	A	STU	TThSa	09:00A-11:45A		Baskin Print G101	Rangell,P.	R
24505		ART-117A-01		Mono/Mixed-Med Prnt	5	A	STU	MWF	05:00P-07:45P		Baskin Print G101	Lee,J.	R
10546		ART-130-01		Interm Photography	5		STU	TThSa	02:00P-04:45P		Baskin Photo I200	Staff	R
10547		ART-132-01		Color Photography	5		STU	MWF	02:00P-04:45P		Baskin Photo I200	Locks,N.	R
10548		ART-134-01		Spec Topics Photogr	5		STU	MWF	02:00P-04:45P		Baskin Draw F101	Staff	R
10549		ART-135-01		Intro Digital Photo	5	A	STU	TThSa	09:00A-11:45A		Porter Acad 240	Staff	R
23952		ART-139-01		Int/Adv Sclpt/Fndry	5		STU	MWF	09:00A-11:45A		TA Foundry 100	Staff	R
10550		ART-140-01		Metal Sculpture	5		STU	TThSa	09:30A-12:15P		Baskin Sculp 2 P101	Staff	R
10551		ART-141-01		Sculpture II	5	A	STU	TThSa	02:00P-04:45P		Baskin Plast H101	Hibbert-Jones,W.D.	R
		ART-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		ART-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Astronomy and Astrophysics

10785		ASTR-2-01		Overview Universe	5	NQ	LEC	TTh	12:00P-01:45P		Krsg Town Hall 466	Guha Thakurta,P.	
10786		ASTR-2-01A		Discussion			DIS	M	**To Be Arranged**			Staff	
10787		ASTR-2-01B		Discussion			DIS	T	**To Be Arranged**			Staff	
10788		ASTR-2-01C		Discussion			DIS	W	**To Be Arranged**			Staff	
10789		ASTR-2-01D		Discussion			DIS	Th	**To Be Arranged**			Staff	
10790		ASTR-2-01E		Discussion			DIS	F	**To Be Arranged**			Staff	
10794		ASTR-2-02		Overview Universe	5	NQ	LEC	MWF	09:30A-10:40A		J Bask Aud 101	Steinacker,A.	
10795		ASTR-2-02A		Discussion			DIS	M	**To Be Arranged**			Staff	
10796		ASTR-2-02B		Discussion			DIS	T	**To Be Arranged**			Staff	
10797		ASTR-2-02C		Discussion			DIS	W	**To Be Arranged**			Staff	
10798		ASTR-2-02D		Discussion			DIS	Th	**To Be Arranged**			Staff	
22568		ASTR-2-02E		Discussion			DIS	F	**To Be Arranged**			Staff	
10799		ASTR-3-01		The Solar System	5	NQ	LEC	TTh	10:00A-11:45A		N. Sci Annex 101	Lin,D.N.	
10800		ASTR-3-01A		Discussion			DIS		**To Be Arranged**			Staff	
10801		ASTR-3-01B		Discussion			DIS		**To Be Arranged**			Staff	
10802		ASTR-3-01C		Discussion			DIS		**To Be Arranged**			Staff	
23955		ASTR-8-01		Violent Universe	5	NQ	LEC	TTh	02:00P-03:45P		J Baskin Engr 152	Murray,S.D.	
23956		ASTR-8-01A		Discussion			DIS		**To Be Arranged**			Staff	
23957		ASTR-8-01B		Discussion			DIS		**To Be Arranged**			Staff	
23958		ASTR-8-01C		Discussion			DIS		**To Be Arranged**			Staff	
23959		ASTR-8-01D		Discussion			DIS		**To Be Arranged**			Staff	
23960		ASTR-8-01E		Discussion			DIS		**To Be Arranged**			Staff	
23961		ASTR-8-01F		Discussion			DIS		**To Be Arranged**			Staff	
23962		ASTR-13-01		Galax Cosm & Aphysi	5	NQ	LEC	TTh	12:00P-01:45P		Earth&Marine B210	Koo,D.C.	
10809		ASTR-112-01		Physics of Stars	5		LEC	MWF	09:30A-10:40A		ISB 126	Bodenheimer,P.H.	R
23030		ASTR-135A-01		Astrophys Adv Lab	3		LAB	Th	12:00P-01:45P		Nat Sci 2 110	Dewey,R.J.	R
				<i>Enroll in lab and associated secondary lab; some evenings required for night-time observing; also offered as PHYS 135A</i>									
24739		ASTR-135A-01A		Secondary Lab			LBS		**To Be Arranged**			Staff	
23963		ASTR-171-01		Genl Relativity	5		LEC	TTh	10:00A-11:45A		ISB 231	Aguirre,A.N.	R
				<i>Also offered as PHYS 171</i>									
23964		ASTR-204B-01		Phys Of Astrophys II	5		LEC	MWF	09:30A-10:40A		ISB 356	Laughlin,G.P.	R
10845		ASTR-205-01		Intr Astro Research	5		LEC	MWF	02:00P-03:10P		ISB 356	Epps,H.W.	R
23965		ASTR-225-01		Compact Objects	5		LEC	TTh	10:00A-11:45A		ISB 356	Heger,A.	
23966		ASTR-240A-01		Galac Stellar Syst	5		LEC	MWF	11:00A-12:10P		ISB 126	Faber,S.M.	
10846		ASTR-292-01		Seminar	0		SEM	W	03:30P-05:15P		N. Sci Annex 101	Staff	

Biochemistry and Molecular Biology

10997		BIOC-80A-01		Understanding Drugs	5	2	LEC	MWF	09:30A-10:40A		Classroom 001	Eberhart,G.H.	
10998		BIOC-100A-01		Biochemistry	5		LEC	MWF	11:00A-12:10P		Thim Lecture 001	Noller,H.F.	R
<i>Enroll in lecture and associated discussion section</i>													
10999		BIOC-100A-01A		Discussion			DIS	T	08:00P-09:10P		Earth&Marine B210	Staff	
11000		BIOC-100A-01B		Discussion			DIS	Th	10:00A-11:10A		N. Sci Annex 103	Staff	
23844		BIOC-100A-01C		Discussion			DIS	Th	02:00P-03:10P		N. Sci Annex 102	Staff	
23845		BIOC-100A-01D		Discussion			DIS	F	09:30A-10:40A		Earth&Marine B210	Staff	

Biomolecular Engineering

13257		BME-200-01		Teach Bioinformatic	3		LEC	Th	04:00P-05:45P		Engineer 2 180	Karplus,K. Lowe,T.M.	R
<i>Taught in conjunction with CMPS 200 and CMPE 200</i>													
24704		BME-205-01		BioinfoModel/Algorithm	5		LEC	MWF	02:00P-03:10P		J Baskin Engr 156	Karplus,K.	R
13259		BME-280B-01		Bioinformatics Sem	2		SEM	Th	12:00P-01:45P		Porter Acad 246	Karplus,K. Lowe,T.M.	R
23679		BME-281H-01		Sem Compar Genomics	2		SEM		**To Be Arranged**			Haussler,D.	R
23680		BME-281K-01		Sem Prot Struc Pred	2		SEM		**To Be Arranged**			Karplus,K.	R
23681		BME-281L-01		Sem Comput Genetics	2		SEM		**To Be Arranged**			Lowe,T.M.	R
23755		BME-281S-01		Sem Comput Genomics	2		SEM		**To Be Arranged**			Stuart,J.M.	R

Biology

11001	Y	BIOL-15-01		Research Reports	1		SEM		**To Be Arranged**			Bowman,B.J.	
<i>See Enrollment Conditions for instructions</i>													
11002		BIOL-20B-01		Developmt & Physiol	5		LEC	TTh	08:00A-09:45A		Media Theater M110	Ortiz,C.L.	R
<i>Enroll in lecture and associated discussion section</i>													
11003		BIOL-20B-01A		Discussion			DIS	M	08:00A-09:10A		Engineer 2 192	Staff	
11004		BIOL-20B-01B		Discussion			DIS	M	09:30A-10:40A		Earth&Marine B214	Staff	
11005		BIOL-20B-01C		Discussion			DIS	M	05:00P-06:10P		Nat Sci Annex 103	Staff	
11006		BIOL-20B-01D		Discussion			DIS	T	06:00P-07:10P		Nat Sci Annex 103	Staff	
11007		BIOL-20B-01E		Discussion			DIS	T	08:00P-09:10P		Eight Acad 252	Staff	
11008		BIOL-20B-01F		Discussion			DIS	W	09:30A-10:40A		Engineer 2 192	Staff	
11009		BIOL-20B-01G		Discussion			DIS	T	07:30P-08:40P		N. Sci Annex 103	Staff	
11010		BIOL-20B-01H		Discussion			DIS	Th	02:00P-03:10P		N. Sci Annex 103	Staff	
22617		BIOL-20B-01I		Discussion			DIS	W	05:00P-06:10P		N. Sci Annex 103	Staff	
22618		BIOL-20B-01J		Discussion			DIS	F	09:30A-10:40A		Engineer 2 192	Staff	
11011		BIOL-20C-01		Ecology & Evolution	5		LEC	MWF	09:30A-10:40A		Media Theater M110	Doak,D.F.	R
<i>Enroll in lecture and associated discussion section</i>													
11012		BIOL-20C-01A		Discussion			DIS	M	08:00A-09:10A		Earth&Marine B214	Staff	
11013		BIOL-20C-01B		Discussion			DIS	M	02:00P-03:10P		N. Sci Annex 103	Staff	
11014		BIOL-20C-01C		Discussion			DIS	M	03:30P-04:40P		Earth&Marine B214	Staff	
11015		BIOL-20C-01D		Discussion			DIS	T	08:00A-09:10A		N. Sci Annex 103	Staff	
11016		BIOL-20C-01E		Discussion			DIS	T	12:00P-01:10P		Soc Sci 2 179	Staff	
11017		BIOL-20C-01F		Discussion			DIS	Th	10:00A-11:10A		N. Sci Annex 102	Staff	
11018		BIOL-20C-01G		Discussion			DIS	W	03:30P-04:40P		N. Sci Annex 103	Staff	
11019		BIOL-20C-01H		Discussion			DIS	Th	04:00P-05:10P		N. Sci Annex 103	Staff	
23814		BIOL-20C-01I		Discussion			DIS	W	02:00P-03:10P		N. Sci Annex 103	Staff	
23815		BIOL-20C-01J		Discussion			DIS	F	02:00P-03:10P		N. Sci Annex 103	Staff	
11020		BIOL-20L-01		Experimental Lab	2		LAB	W	08:30A-12:30P		Thimann Lab 223	Ogren,L.M.	R
<i>Must attend first day of lecture on Friday, September 23</i>													
11021		BIOL-20L-02		Experimental Lab	2		LAB	W	01:00P-05:00P		Thimann Lab 223	Zavanelli,M.I.	R
<i>**To Be Arranged**</i>													
<i>Must attend first day of lecture</i>													
11022		BIOL-70-01		Intro Psychobiology	5	N	LEC	TTh	08:00A-09:45A		Earth&Marine B206	Switkes,E. Zavanelli,M.I.	
<i>Enroll in lecture and associated discussion section</i>													
11023		BIOL-70-01A		Discussion			DIS	M	08:00A-09:10A		Soc Sci 2 159	Staff	
11024		BIOL-70-01B		Discussion			DIS	T	02:00P-03:10P		Soc Sci 2 159	Staff	
11025		BIOL-70-01C		Discussion			DIS	T	04:00P-05:10P		Soc Sci 2 159	Staff	
11026		BIOL-70-01D		Discussion			DIS	W	08:00A-09:10A		Soc Sci 2 159	Staff	
11027		BIOL-70-01E		Discussion			DIS	W	03:30P-04:40P		Soc Sci 2 159	Staff	
11028		BIOL-70-01F		Discussion			DIS	M	03:30P-04:40P		Soc Sci 2 165	Staff	
11029		BIOL-70-01G		Discussion			DIS	M	07:00P-08:10P		Soc Sci 2 159	Staff	
11030		BIOL-70-01H		Discussion			DIS	Th	12:00P-01:10P		Soc Sci 1 145	Staff	
22624		BIOL-70-01I		Discussion			DIS	Th	04:00P-05:10P		Soc Sci 2 159	Staff	
11031	Y	BIOL-75-01		Sci Diving Cert	2		FLD		**To Be Arranged**			Clabuesch,S.R.	
<i>See Enrollment Conditions for instructions</i>													
11032		BIOL-80A-01		Female Physiology	5	2	LEC	TTh	04:00P-05:45P		Earth&Marine B206	Thompson,J.F.	
<i>Enroll in lecture and associated discussion section</i>													

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
11033		BIOL-80A-01A		Discussion		DIS	M		07:00P-08:10P		Soc Sci 1 145	Staff	
11034		BIOL-80A-01B		Discussion		DIS	T		02:00P-03:10P		Soc Sci 2 167	Staff	
11035		BIOL-80A-01C		Discussion		DIS	T		10:00A-11:10A		Soc Sci 2 167	Staff	
11036		BIOL-80A-01D		Discussion		DIS	W		03:30P-04:40P		Soc Sci 1 145	Staff	
11037		BIOL-80A-01E		Discussion		DIS	Th		12:00P-01:10P		Soc Sci 2 167	Staff	
11038		BIOL-80A-01F		Discussion		DIS	W		05:00P-06:10P		Soc Sci 2 167	Staff	
11039		BIOL-80A-01G		Discussion		DIS	W		06:30P-07:40P		Soc Sci 2 167	Staff	
22628		BIOL-80A-01H		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 2 159	Staff	
22629		BIOL-80A-01I		Discussion		DIS	Th		02:00P-03:10P		Soc Sci 2 159	Staff	
22630		BIOL-80A-01J		Discussion		DIS	T		12:00P-01:10P		Soc Sci 2 167	Staff	
23967		BIOL-80A-01K		Discussion		DIS	F		08:00A-09:10A		Soc Sci 2 159	Staff	
23968		BIOL-80A-01L		Discussion		DIS	F		03:30P-04:40P		Soc Sci 1 145	Staff	
11040		BIOL-80L-01		Sex Lives Of Plants	5	2	LEC	MWF	02:00P-03:10P		Thim Lecture 001	Taiz,L.	
11239		BIOL-100-01		Biochemistry	5		LEC	MWF	11:00A-12:10P		J Bask Aud 101	Ludwig,R.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
11240		BIOL-100-01A		Discussion			DIS	T	10:00A-11:10A		N. Sci Annex 102	Staff	
11241		BIOL-100-01B		Discussion			DIS	T	02:00P-03:10P		N. Sci Annex 102	Staff	
11242		BIOL-100-01C		Discussion			DIS	W	08:00A-09:10A		N. Sci Annex 103	Staff	
11243		BIOL-100-01D		Discussion			DIS	W	03:30P-04:40P		N. Sci Annex 102	Staff	
22631		BIOL-100-01E		Discussion			DIS	F	02:00P-03:10P		N. Sci Annex 102	Staff	
22632		BIOL-100-01F		Discussion			DIS	F	03:30P-04:40P		N. Sci Annex 102	Staff	
11244		BIOL-105-01		Genetics	5		LEC	TTh	08:00A-09:45A		Classroom 002	Sullivan,W.	R
				<i>Enroll in lecture and associated discussion section</i>									
11245		BIOL-105-01A		Discussion			DIS	M	08:00A-09:10A		N. Sci Annex 103	Staff	
11246		BIOL-105-01B		Discussion			DIS	M	03:30P-04:40P		N. Sci Annex 103	Staff	
11247		BIOL-105-01C		Discussion			DIS	M	06:30P-07:40P		N. Sci Annex 103	Staff	
11248		BIOL-105-01D		Discussion			DIS	T	12:00P-01:10P		N. Sci Annex 103	Staff	
11249		BIOL-105-01E		Discussion			DIS	T	02:00P-03:10P		N. Sci Annex 103	Staff	
11250		BIOL-105-01F		Discussion			DIS	W	06:30P-07:40P		N. Sci Annex 103	Staff	
22640		BIOL-105-01G		Discussion			DIS	Th	06:00P-07:10P		N. Sci Annex 103	Staff	
22641		BIOL-105-01H		Discussion			DIS	F	11:00A-12:10P		Earth&Marine B214	Staff	
23969		BIOL-105M-01		Microbial Genet Lab	5		LAB	TTh	09:00A-12:00P		Thimann Lab 203	Dalbey,M.S.	R
23970		BIOL-105M-02		Microbial Genet Lab	5		LAB	TTh	01:00P-04:00P		Thimann Lab 203	Dalbey,M.S.	R
11252		BIOL-110-01		Cell Biology	5		LEC	TTh	02:00P-03:45P		J Bask Aud 101	Zahler,A.M.	R
				<i>Enroll in lecture and associated discussion section</i>									
11253		BIOL-110-01A		Discussion			DIS	M	08:00A-09:10A		N. Sci Annex 102	Staff	
11254		BIOL-110-01B		Discussion			DIS	M	03:30P-04:40P		N. Sci Annex 102	Staff	
11255		BIOL-110-01C		Discussion			DIS	W	02:00P-03:10P		N. Sci Annex 102	Staff	
11256		BIOL-110-01D		Discussion			DIS	Th	12:00P-01:10P		N. Sci Annex 103	Staff	
22642		BIOL-110-01E		Discussion			DIS	Th	04:00P-05:00P		N. Sci Annex 102	Staff	
22643		BIOL-110-01F		Discussion			DIS	F	08:00A-09:10A		N. Sci Annex 102	Staff	
11257		BIOL-117A-01		Advanced Genetics	5		LEC	MWF	09:30A-10:40A		Crown Clrm 201	Chisholm,A. Ludwig,R.A. Sullivan,W..	R
				<i>Taught in conjunction with BIOL 200A</i>									
23971		BIOL-119-01		Microbiology	5		LEC	MWF	02:00P-03:10P		Merrill Acad 102	Ottemann,K.M.	R
				<i>Enroll in lecture and associated discussion section</i>									
23972		BIOL-119-01A		Discussion			DIS	M	05:00P-06:10P		J Baskin Engr 372	Staff	
23973		BIOL-119-01B		Discussion			DIS	T	08:00P-09:10P		Soc Sci 2 165	Staff	
23974		BIOL-119-01C		Discussion			DIS	W	08:00A-09:10A		Soc Sci 1 145	Staff	
23975		BIOL-119-01D		Discussion			DIS	W	07:00P-08:10P		Soc Sci 1 145	Staff	
24754		BIOL-119L-01		Gen Microbio Lab	5		LAB		**To Be Arranged**			Staff	R
11258		BIOL-125-01		Intro to Neurosci	5		LEC	TTh	12:00P-01:45P		Classroom 001	Feldheim,D.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
22662		BIOL-125-01A		Discussion			DIS	M	02:00P-03:10P		N. Sci Annex 102	Staff	
11259		BIOL-125-01B		Discussion			DIS	T	04:00P-05:10P		N. Sci Annex 103	Staff	
11260		BIOL-125-01C		Discussion			DIS	W	08:00A-09:10A		N. Sci Annex 102	Staff	
22663		BIOL-125-01D		Discussion			DIS	F	08:00A-09:10A		N. Sci Annex 103	Staff	
11261		BIOL-131-01		Animal Physiology	5		LEC	MWF	03:30P-04:40P		Thim Lecture 001	Ogren,L.M.	R
11262		BIOL-131-01A		Discussion			DIS	M	02:00P-03:10P		J Baskin Engr 372	Staff	
11263		BIOL-131-01B		Discussion			DIS	W	08:00A-09:10A		Earth&Marine B214	Staff	
11264		BIOL-131L-01		Animal Physiolo Lab	2		LAB	M	09:00A-12:00P		Thimann Lab 239	Ogren,L.M.	R
				<i>Concurrent enrollment in BIOL 131 is required</i>									
11265		BIOL-131L-02		Animal Physiolo Lab	2		LAB	T	09:00A-12:00P		Thimann Lab 239	Ogren,L.M.	R
				<i>Concurrent enrollment in BIOL 131 is required</i>									
11266		BIOL-131L-03		Animal Physiolo Lab	2		LAB	T	01:00P-04:00P		Thimann Lab 239	Ogren,L.M.	R
				<i>Concurrent enrollment in BIOL 131 is required</i>									
23979		BIOL-137-01		Ichthyology	5		LEC	TTh	12:00P-01:45P		Cowell Clrm 131	Bernardi,G.	R
				<i>Concurrent enrollment in BIOL 137L is required</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23981		BIOL-137L-01		Ichthyology Lab <i>Concurrent enrollment in BIOL 137 is required</i>	2	LAB	M		02:00P-05:00P		Lg Discovery 128A	Bernardi,G.	R
23982		BIOL-137L-02		Ichthyology Lab <i>Concurrent enrollment in BIOL 137 is required</i>	2	LAB	W		02:00P-05:00P		Lg Discovery 128A	Bernardi,G.	R
23983		BIOL-137L-03		Ichthyology Lab <i>Concurrent enrollment in BIOL 137 is required</i>	2	LAB	F		02:00P-05:00P		Lg Discovery 128A	Staff	R
11267		BIOL-140-01		Behavioral Ecology <i>Enroll in lecture and associated discussion section</i>	5	LEC	MWF		09:30A-10:40A		J Baskin Engr 152	Sinervo,B.R.	R
11268		BIOL-140-01A		Discussion		DIS	T		10:00A-11:10A		Nat Sci Annex 103	Staff	
11269		BIOL-140-01B		Discussion		DIS	T		04:00P-05:10P		Nat Sci Annex 102	Staff	
11270		BIOL-140-01C		Discussion		DIS	Th		08:30A-09:40A		Nat Sci Annex 103	Staff	
11271		BIOL-140-01D		Discussion		DIS	F		03:30P-04:40P		Nat Sci Annex 103	Staff	
23984		BIOL-144-01		Ornithology <i>Concurrent enrollment in BIOL 144L is required</i>	5	LEC	TTh		02:00P-03:45P		Soc Sci I 149	Lyon,B.E.	R
23985		BIOL-144L-01		Ornithology Field <i>Concurrent enrollment in BIOL 144 is required</i>	2	FLD			**To Be Arranged**			Lyon,B.E.	R
23986	Y	BIOL-161-01		Kelp Forest Ecology <i>Concurrent enrollment in BIOL 161L is required</i>	5	FLD	TTh		08:00A-12:00P		Lg Discovery 128A	Carr,M.H. Raimondi,P.T.	
23987	Y	BIOL-161L-01		Kelp Forest Eco Lab <i>Concurrent enrollment in BIOL 161 is required</i>	5	LAB			**To Be Arranged**		Lg Discovery 128A	Carr,M.H. Raimondi,P.T.	
22672		BIOL-163-01		Marine Conserv Bio <i>Enroll in lecture and associated discussion section</i>	5	LEC	TTh		12:00P-01:45P		Lg Discovery 128A	Croll,D.A.	R
22673		BIOL-163-01A		Discussion		DIS			**To Be Arranged**			Staff	
22674		BIOL-169-01		Plant Ecology <i>Enroll in lecture and associated discussion section; taught in conjunction with BIOL 269</i>	5	LEC	TTh		12:00P-01:45P		Steven Acad 152	Fox,L.R.	R
22675		BIOL-169-01A		Discussion		DIS			**To Be Arranged**			Staff	
11272		BIOL-175-01		Evolution <i>Enroll in lecture and associated discussion section</i>	5	LEC	TTh		10:00A-11:45A		Classroom 001	Pogson,G.	R
11273		BIOL-175-01A		Discussion		DIS	M		08:00A-09:10A		Crown Clrm 208	Staff	
11274		BIOL-175-01B		Discussion		DIS	M		05:00P-06:10P		Soc Sci 161	Staff	
11275		BIOL-175-01C		Discussion		DIS	T		07:30P-08:40P		J Baskin Engr 372	Staff	
11276		BIOL-175-01D		Discussion		DIS	Th		08:00A-09:10A		Soc Sci I 161	Staff	
11277		BIOL-175-01E		Discussion		DIS	Th		06:00P-07:10P		Crown Clrm 208	Staff	
11278		BIOL-175-01F		Discussion		DIS	F		09:30A-10:40A		Earth&Marine B214	Staff	
11279	Y	BIOL-185F-01		Hughes Resrsch Lab <i>See Enrollment Conditions for instructions; taught in conjunction with Biol 185L</i>	2	LAB			**To Be Arranged**		Thimann Lab 285	Ares,M.	
11280	Y	BIOL-185L-01		Hughes Resrsch Lab <i>See Enrollment Conditions for instructions; taught in conjunction with BIOL 185F</i>	5	LAB			**To Be Arranged**		Thimann Lab 285	Ares,M.	
24028	Y	BIOL-186F-01		Undergrad Rsrch MCD <i>See Enrollment Conditions for instructions; taught in conjunction with BIOL 186L</i>	2	LAB			**To Be Arranged**		Thimann Lab 285	Noller,H.F.	
24029	Y	BIOL-186L-01		Undergrad Rsrch MCD <i>See Enrollment Conditions for instructions; taught in conjunction with 186F</i>	5	LAB			**To Be Arranged**		Thimann Lab 285	Noller,H.F.	
11281		BIOL-187L-01		Molec Biotech Lab <i>Taught in conjunction with BIOL 287L</i>	5	LAB	MW		09:00A-12:00P		Thimann Lab 215	Zavanelli,M.I.	R
23105	Y	BIOL-189-01		Health Sci Intrnshp <i>See Enrollment Conditions for instructions</i>	5	FLD			**To Be Arranged**			Hinck,L.	
12530		BIOL-200A-01		Advanced Genetics <i>Taught in conjunction with BIOL 117A</i>	5	LEC	MWF		09:30A-10:40A		Crown Clrm 201	Chisholm,A.	R
24030		BIOL-208-01		Cellular Signaling	5	SEM	TTh		04:00P-05:45P		Crown Clrm 201	Ludwig,R.A.	
12531		BIOL-250A-01		Adv Organismal Bio	5	SEM	TTh		02:00P-03:45P		Porter Acad 250	Kellogg,D.	R
22684		BIOL-269-01		Plant Ecology <i>Taught in conjunction with BIOL 169</i>	5	LEC	TTh		02:00P-03:45P		Porter Acad 249	Fox,L.R.	R
12532		BIOL-279-01		Evolutionary Ecology	5	SEM	TTh		12:00P-01:45P		Steven Acad 152	Fox,L.R.	R
12533		BIOL-280A-01		Molec Gene Yeasts	2	SEM			**To Be Arranged**		Crown Clrm 201	Thompson,J.N.	R
12534		BIOL-280C-01		Dev Gen C. Elegans	2	SEM			**To Be Arranged**			Ares,M.	R
12535		BIOL-280D-01		RNA Processing	2	SEM			**To Be Arranged**			Chisholm,A.	R
12536		BIOL-280F-01		Vert Neural Connect	2	SEM			**To Be Arranged**			Zahler,A.M.	R
12538		BIOL-280K-01		Cell Cycle Research	2	SEM			**To Be Arranged**			Feldheim,D.A.	R
12539		BIOL-280L-01		Neural Development	2	SEM			**To Be Arranged**			Kellogg,D.	R
12540		BIOL-280N-01		Function of Ribosom	2	SEM			**To Be Arranged**			Hinck,L.	R
12541		BIOL-280O-01		Bacterial Pathogen <i>Also offered as ETOX 281O</i>	2	SEM			**To Be Arranged**			Noller,H.F.	R
12542		BIOL-280T-01		Drosophila Developmt	2	SEM			**To Be Arranged**			Ottemann,K.M.	R
12543		BIOL-280U-01		Drosophila Embryo	2	SEM			**To Be Arranged**			Tamkun,J.W.	
23754		BIOL-280Y-01		Dev Neuro C.Elegans	2	SEM			**To Be Arranged**			Sullivan,W.	R
												Jin,Y.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
12545		BIOL-281A-01		Appld Marine Ecolog <i>Taught in conjunction with BIOL 281R</i>	5		SEM		**To Be Arranged**			Carr,M.H.	R
12546		BIOL-281B-01		Molecular Evolution	2		SEM		**To Be Arranged**			Bernardi,G.	R
12547		BIOL-281C-01		Physiological Ecol <i>Taught in conjunction with BIOL 281W</i>	5		SEM		**To Be Arranged**			Costa,D.	R
12549		BIOL-281F-01		Ecological Res Topi	5		SEM		**To Be Arranged**			Fox,L.R.	R
12551		BIOL-281J-01		Biochemical Ecology	5		SEM		**To Be Arranged**			Langenheim,J.H.	R
12552		BIOL-281L-01		Behavrl & Evol Ecol <i>Taught in conjunction with BIOL 281V</i>	5		SEM		**To Be Arranged**			Lyon,B.E.	R
12553		BIOL-281N-01		Marine Vert Ecology	5		SEM		**To Be Arranged**			Croll,D.A.	R
12555		BIOL-281Q-01		Molec Evolution Gen	5		SEM		**To Be Arranged**			Pogson,G.	R
12556		BIOL-281R-01		Mari Eco&Evol Biol <i>Taught in conjunction with BIOL 281A</i>	5		SEM		**To Be Arranged**			Raimondi,P.T.	R
12557		BIOL-281T-01		Species Interactions	5		SEM		**To Be Arranged**			Thompson,J.N.	R
12558		BIOL-281U-01		Invertebrate Biol	5		SEM		**To Be Arranged**			Potts,D.C.	R
12559		BIOL-281V-01		Behavioral Ecology <i>Taught in conjunction with BIOL 281L</i>	5		SEM		**To Be Arranged**			Sinervo,B.R.	R
12560		BIOL-281W-01		Exercise/Env Phys <i>Taught in conjunction with BIOL 281C</i>	5		SEM		**To Be Arranged**			Williams,T.M.	R
24379		BIOL-287L-01		Molec Biotech Lab <i>Taught in conjunction with BIOL 187L</i>	5		LEC MW	09:00A-12:00P			Thimann Lab 215	Zavanelli,M.I.	R
12562		BIOL-291-01		Mol Cell Devel Bio	2		SEM F	12:30P-01:45P			N. Sci Annex 101	Zuniga,M.C.	
12563		BIOL-292-01		MCD Seminar	0		SEM M	12:30P-01:45P			N. Sci Annex 101	Zuniga,M.C.	
12564		BIOL-294-01		Ecol, Evol Bio Sem	0		SEM W	12:30P-01:45P			N. Sci Annex 101	Doak,D.F.	
24380		BIOL-295-01		Adv EEB Seminar	0		SEM	**To Be Arranged**				Staff	R

Chemistry

13260	CHEM-1A-01	General Chemistry	5	NQ LEC	MWF	12:30P-01:40P		Classroom 002	Schleich,T.W.	R	
<i>Enroll in lecture and associated discussion section</i>											
13261	CHEM-1A-01A	Discussion		DIS M		08:00A-09:10A		Crown Clrm 202	Staff		
13262	CHEM-1A-01B	Discussion		DIS M		03:30P-04:40P		Thimann Lab 101	Staff		
13263	CHEM-1A-01C	Discussion		DIS M		05:00P-06:10P		Thimann Lab 101	Staff		
13264	CHEM-1A-01D	Discussion		DIS M		06:30P-07:40P		Thimann Lab 101	Staff		
13265	CHEM-1A-01E	Discussion		DIS T		08:00A-09:10A		Thimann Lab 101	Staff		
13266	CHEM-1A-01F	Discussion		DIS T		10:00A-11:10A		Soc Sci I 153	Staff		
13267	CHEM-1A-01G	Discussion		DIS T		12:00P-01:10P		Soc Sci I 153	Staff		
13268	CHEM-1A-01H	Discussion		DIS T		04:00P-05:10P		Thimann Lab 101	Staff		
13269	CHEM-1A-01I	Discussion		DIS T		06:00P-07:10P		Thimann Lab 101	Staff		
13270	CHEM-1A-01J	Discussion		DIS T		07:30P-08:40P		Thimann Lab 101	Staff		
13271	CHEM-1A-01K	Discussion		DIS W		03:30P-04:40P		Thimann Lab 101	Staff		
13272	CHEM-1A-01L	Discussion		DIS W		07:00P-08:10P		Thimann Lab 101	Staff		
13273	CHEM-1A-01M	Discussion		DIS Th		08:00A-09:10A		Thimann Lab 101	Staff		
13274	CHEM-1A-01N	Discussion		DIS Th		12:00P-01:10P		Thimann Lab 101	Staff		
13275	CHEM-1A-01O	Discussion		DIS Th		04:00P-05:10P		Soc Sci I 153	Staff		
13276	CHEM-1A-01P	Discussion		DIS Th		06:00P-07:10P		Thimann Lab 101	Staff		
13277	CHEM-1A-01Q	Discussion		DIS Th		07:30P-08:40P		Thimann Lab 101	Staff		
23040	CHEM-1A-01R	Discussion		DIS Th		08:00P-09:10P		Crown Clrm 202	Staff		
13278	CHEM-1A-01S	Discussion		DIS F		08:00A-09:10A		Crown Clrm 202	Staff		
13279	CHEM-1A-01T	Discussion		DIS F		03:30P-04:40P		Thimann Lab 101	Staff		
24041	CHEM-1A-02	General Chemistry	5	NQ LEC	MWF	12:30P-01:45P		Classroom 001	Schleich,T.W.	R	
<i>Enroll in lecture and associated discussion section</i>											
24042	CHEM-1A-02A	Discussion		DIS M		08:00A-09:10A		Crown Clrm 203	Staff		
24043	CHEM-1A-02B	Discussion		DIS M		03:30P-04:40P		Crown Clrm 203	Staff		
24044	CHEM-1A-02C	Discussion		DIS T		08:00A-09:10A		Crown Clrm 203	Staff		
24045	CHEM-1A-02D	Discussion		DIS T		12:00P-01:10P		Thimann Lab 101	Staff		
24046	CHEM-1A-02E	Discussion		DIS T		02:00P-03:10P		Soc Sci I 153	Staff		
24047	CHEM-1A-02F	Discussion		DIS Th		10:00A-11:10A		Soc Sci I 153	Staff		
24048	CHEM-1A-02G	Discussion		DIS Th		04:00P-05:10P		Thimann Lab 101	Staff		
24049	CHEM-1A-02H	Discussion		DIS F		08:00A-09:10A		Crown Clrm 203	Staff		
13280	CHEM-1B-01	General Chemistry	5	NQ LEC	MWF	08:00A-09:10A		Classroom 002	Andrews,F.C.	R	
<i>Enroll in lecture and associated discussion section</i>											
13281	CHEM-1B-01A	Discussion		DIS M		12:30P-01:40P		Crown Clrm 203	Staff		
13282	CHEM-1B-01B	Discussion		DIS M		05:30P-06:40P		Soc Sci I 149	Staff		
13283	CHEM-1B-01C	Discussion		DIS M		07:00P-08:10P		Soc Sci I 149	Staff		
13284	CHEM-1B-01D	Discussion		DIS T		12:00P-01:10P		Crown Clrm 203	Staff		
13285	CHEM-1B-01E	Discussion		DIS W		12:30P-01:40P		Thimann Lab 101	Staff		
13286	CHEM-1B-01F	Discussion		DIS W		03:30P-04:40P		Soc Sci 2 165	Staff		
13287	CHEM-1B-01G	Discussion		DIS W		05:00P-06:10P		Porter Acad 249	Staff		
13288	CHEM-1B-01H	Discussion		DIS W		06:30P-07:40P		Soc Sci I 149	Staff		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13289		CHEM-1B-01I		Discussion		DIS	Th		10:00A-11:10A		Porter Acad 249	Staff	
13290		CHEM-1B-01J		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 1 149	Staff	
13291		CHEM-1B-01K		Discussion		DIS	Th		08:00P-09:10P		Soc Sci 2 159	Staff	
13292		CHEM-1B-01L		Discussion		DIS	T		06:00P-07:10P		Porter Acad 249	Staff	
13293		CHEM-1B-01M		Discussion		DIS	T		07:30P-08:40P		Porter Acad 249	Staff	
13294		CHEM-1B-01N		Discussion		DIS	Th		06:00P-07:10P		Porter Acad 249	Staff	
13295		CHEM-1B-01O		Discussion		DIS	Th		07:30P-08:40P		Porter Acad 249	Staff	
13296		CHEM-1B-01P		Discussion		DIS	Th		08:30A-09:40A		Porter Acad 249	Staff	
13297		CHEM-1M-01		Gen Chem Lab	2	LAB	F		03:30P-04:40P		Classroom 002	Staff	R
				<i>Enroll in lab and associated secondary lab</i>									
13298		CHEM-1M-01A		Secondary Lab		LBS	T		12:15P-03:15P		Nat Sci 2 283	Staff	
13299		CHEM-1M-01B		Secondary Lab		LBS	T		12:15P-03:15P		Nat Sci 2 273	Staff	
13300		CHEM-1M-01C		Secondary Lab		LBS	T		03:30P-06:30P		Nat Sci 2 283	Staff	
13301		CHEM-1M-01D		Secondary Lab		LBS	T		03:30P-06:30P		Nat Sci 2 273	Staff	
13302		CHEM-1M-01E		Secondary Lab		LBS	T		07:00P-10:00P		Nat Sci 2 283	Staff	
13303		CHEM-1M-01F		Secondary Lab		LBS	T		07:00P-10:00P		Nat Sci 2 273	Staff	
13304		CHEM-1M-01G		Secondary Lab		LBS	W		12:15P-03:15P		Nat Sci 2 283	Staff	
13305		CHEM-1M-01H		Secondary Lab		LBS	W		12:15P-03:15P		Nat Sci 2 273	Staff	
13306		CHEM-1M-01I		Secondary Lab		LBS	W		03:30P-06:30P		Nat Sci 2 283	Staff	
13307		CHEM-1M-01J		Secondary Lab		LBS	W		03:30P-06:30P		Nat Sci 2 273	Staff	
13308		CHEM-1M-01K		Secondary Lab		LBS	W		07:00P-10:00P		Nat Sci 2 283	Staff	
13309		CHEM-1M-01L		Secondary Lab		LBS	W		07:00P-10:00P		Nat Sci 2 273	Staff	
13310		CHEM-1M-01M		Secondary Lab		LBS	Th		12:15P-03:15P		Nat Sci 2 283	Staff	
13311		CHEM-1M-01N		Secondary Lab		LBS	Th		12:15P-03:15P		Nat Sci 2 273	Staff	
13312		CHEM-1M-01O		Secondary Lab		LBS	Th		03:30P-06:30P		Nat Sci 2 283	Staff	
13313		CHEM-1M-01P		Secondary Lab		LBS	Th		03:30P-06:30P		Nat Sci 2 273	Staff	
13314		CHEM-1M-01Q		Secondary Lab		LBS	Th		07:00P-10:00P		Nat Sci 2 283	Staff	
13315		CHEM-1M-01R		Secondary Lab		LBS	Th		07:00P-10:00P		Nat Sci 2 273	Staff	
		CHEM-99F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
13321		CHEM-108A-01		Organic Chemistry	5	LEC	TTh		10:00A-11:45A		Earth&Marine B206	Staff	R
				<i>Enroll in lecture and associated discussion section</i>									
13322		CHEM-108A-01A		Discussion		DIS	M		08:00A-09:10A		Crown Clrm 201	Staff	
13323		CHEM-108A-01B		Discussion		DIS	M		12:30P-01:40P		Thimann Lab 101	Staff	
13324		CHEM-108A-01C		Discussion		DIS	M		02:00P-03:10P		Kresge Clrm 319	Staff	
13325		CHEM-108A-01D		Discussion		DIS	M		06:30P-07:40P		Crown Clrm 202	Staff	
13326		CHEM-108A-01E		Discussion		DIS	T		08:00A-09:10A		Soc Sci 1 149	Staff	
13327		CHEM-108A-01F		Discussion		DIS	T		06:00P-07:10P		Crown Clrm 203	Staff	
13328		CHEM-108A-01G		Discussion		DIS	T		07:30P-08:40P		Crown Clrm 203	Staff	
13329		CHEM-108A-01H		Discussion		DIS	W		05:00P-06:10P		Crown Clrm 202	Staff	
13330		CHEM-108A-01I		Discussion		DIS	W		06:30P-07:40P		Crown Clrm 202	Staff	
13331		CHEM-108A-01J		Discussion		DIS	Th		08:00A-09:10A		Crown Clrm 202	Staff	
13332		CHEM-108A-01K		Discussion		DIS	Th		04:00P-05:10P		Oakes Acad 103	Staff	
13333		CHEM-108A-01L		Discussion		DIS	Th		06:00P-07:10P		Crown Clrm 203	Staff	
22704		CHEM-108A-01M		Discussion		DIS	Th		07:30P-08:40P		Crown Clrm 203	Staff	
22705		CHEM-108A-01N		Discussion		DIS	F		12:30P-01:40P		Thimann Lab 101	Staff	
13334		CHEM-108L-01		Organic Chem Lab	2	LAB	F		11:00A-12:10P		Krsg Town Hall 466	Palleros,D.	R
				<i>Enroll in lab and associated secondary lab</i>									
13335		CHEM-108L-01A		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 261	Staff	
13336		CHEM-108L-01B		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 271	Staff	
13337		CHEM-108L-01C		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 261	Staff	
13338		CHEM-108L-01D		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 271	Staff	
13339		CHEM-108L-01E		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 261	Staff	
13340		CHEM-108L-01F		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 271	Staff	
13341		CHEM-108L-01G		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 261	Staff	
13342		CHEM-108L-01H		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 271	Staff	
13343		CHEM-108L-01I		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 261	Staff	
13344		CHEM-108L-01J		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 271	Staff	
13345		CHEM-108L-01K		Secondary Lab		LBS	Th		12:30P-04:30P		Thimann Lab 261	Staff	
13346		CHEM-108L-01L		Secondary Lab		LBS	Th		12:30P-04:30P		Thimann Lab 271	Staff	
13347		CHEM-108L-01M		Secondary Lab		LBS	Th		05:30P-09:30P		Thimann Lab 261	Staff	
13348		CHEM-108L-01N		Secondary Lab		LBS	Th		05:30P-09:30P		Thimann Lab 271	Staff	
13349		CHEM-108L-01O		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 257	Staff	
22774		CHEM-108L-01P		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 257	Staff	
13350		CHEM-112A-01		Organic Chemistry	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 071	Lokey,R.S.	R
				<i>Enroll in lecture and associated discussion section</i>									
13351		CHEM-112A-01A		Discussion		DIS	M		06:30P-07:40P		Crown Clrm 202	Staff	
13352		CHEM-112A-01B		Discussion		DIS	T		08:00P-09:10P		Crown Clrm 202	Staff	
13353		CHEM-112A-01C		Discussion		DIS	W		12:30P-01:40P		Crown Clrm 203	Staff	
13354		CHEM-112A-01D		Discussion		DIS	T		08:00A-09:10A		Soc Sci 1 153	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13355		CHEM-112L-01		Organic Chem Lab <i>Enroll in lab and associated secondary lab</i>	2	LAB	F		02:00P-03:10P		Soc Sci 2 075	Palleros,D.	R
13356		CHEM-112L-01A		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 275	Staff	
13357		CHEM-112L-01B		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 275	Staff	
13358		CHEM-112L-01C		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 275	Staff	
13359		CHEM-112L-01D		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 275	Staff	
23757		CHEM-112L-01E		Secondary Lab		LBS	Th		12:30P-05:30P		Thimann Lab 275	Staff	
13360		CHEM-122-01		Instrumental Analys	5	W LEC	WF		11:00A-12:10P		Soc Sci 2 137	Mascharak,P.	R
13361		CHEM-122-01A		Secondary Lab		LBS	MTWTh		01:00P-05:00P		Nat Sci 2 267	Staff	
13362		CHEM-143-01		Org Chem Structure	5	LEC	TTh		10:00A-11:45A		Eight Acad 242	Bernasconi,C.F.	R
24071		CHEM-146A-01		Adv Lab Organic	2	LAB	TTh		01:00P-05:00P		Thimann Lab 249	Braslau,R.	R
13363		CHEM-151B-01		Main Group Elements	5	LEC	MWF		08:00A-09:10A		Thimann Lab 101	Oliver,S.R.	R
13364		CHEM-163A-01		Quantum Mech & Spec <i>Enroll in lecture and associated discussion section</i>	5	LEC	MWF		09:30A-10:40A		Soc Sci 2 071	Millhauser,G.L.	R
13365		CHEM-163A-01A		Discussion		DIS	T		04:00P-05:10P		Earth&Marine B214	Staff	
13366		CHEM-163A-01B		Discussion		DIS	M		12:30P-01:40P		Engineer 2 192	Staff	
13367		CHEM-163A-01C		Discussion		DIS	F		08:00A-09:10A		Soc sc 1 145	Staff	
13368		CHEM-163A-01D		Discussion		DIS	M		05:00P-06:10P		Soc Sci 2 179	Millhauser,G.L.	
13369		CHEM-164A-01		Data Analysis Lab	2	LAB	M		11:00A-12:10P		Earth&Marine B214	Zhang,J.Z.	R
13370		CHEM-164A-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
		CHEM-180A-XXX		Senior Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-180B-XXX		Senior Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-180C-XXX		Senior Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
13571		CHEM-200A-01		Adv Biophys Methods	5	LEC	MWF		11:00A-12:10P		Thimann Lab 101	Bogomolni,R.A.	
13573		CHEM-240E-01		Mod Synthetic Metho	3	LEC	TTh		08:00A-09:45A		Steven Acad 213	Singaram,B.	R
24072		CHEM-240F-01		Selectivity & Strat	3	LEC	TTh		10:00A-11:45A		Porter Acad 241	Braslau,R.	R
24073		CHEM-261-01		Founda Spectroscopy	5	LEC	MWF		09:30A-10:40A		Thimann Lab 101	Zhang,J.Z.	R
23751		CHEM-274-01		Prosem Synth/Polymr	5	SEM	T		05:00P-08:00P		Thimann Lab 339	Braslau,R.	
13574		CHEM-282-01		Synthetic Methods	5	SEM	Th		02:00P-04:00P		Thimann Lab 339	Singaram,B.	
13575		CHEM-283-01		Prosem Phys O Chem	5	SEM	W		07:00P-10:00P		Thimann Lab 339	Bernasconi,C.F.	
13576		CHEM-284-01		Prosem Syn Org Chem	5	SEM	M		10:30A-12:30P		Thimann Lab 339	Konopelski,J.P.	
13577		CHEM-285-01		Photobiochem & Bio	5	LEC	M		12:30P-01:40P		Thimann Lab 339	Bogomolni,R.A.	
13578		CHEM-286-01		Prosem Nat Pro Chem	5	SEM	W		02:00P-04:30P		Thimann Lab 339	Crews,P.O.	
13579		CHEM-287-01		Protein Aggregation	5	SEM	Th		04:00P-05:45P		Thimann Lab 339	Fink,A.L.	
13580		CHEM-288-01		Prosem In Bioinorga	5	SEM	Th		02:00P-03:45P		Thimann Lab 391	Mascharak,P.	
13582		CHEM-291A-01		Organic Research <i>Taught in conjunction with CHEM 291C</i>	5	SEM	M		04:00P-05:30P		Thimann Lab 391	Lokey,R.S.	R
13583		CHEM-291B-01		Biochem Seminar <i>Taught in conjunction with CHEM 291D</i>	5	SEM	W		04:00P-05:30P		Thimann Lab 391	Millhauser,G.L.	R
13584		CHEM-291C-01		Inorganic Research <i>Taught in conjunction with CHEM 291A</i>	5	SEM	M		04:00P-05:30P		Thimann Lab 391	Holman,T.R.	R
13585		CHEM-291D-01		Physical Research <i>Taught in conjunction with CHEM 291B</i>	5	SEM	W		04:00P-05:30P		Thimann Lab 391	Chen,S.	R
13586		CHEM-292-01		Seminar	2	SEM	W		12:30P-01:40P		Thimann Lab 391	Konopelski,J.P.	R
13587		CHEM-296-01		Teaching Chemistry	3	SEM	M		02:00P-03:10P		Thimann Lab 391	Palleros,D.	
		CHEM-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-299A-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CHEM-299B-XXX		Thesis Research <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**			Staff	
		CHEM-299C-XXX		Thesis Research <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**			Staff	

Chinese

13734		CHIN-1-01		Chinese: Mandarin	5	LEC	MWF		08:00A-09:10A		Kresge Clrm 323	Keenan,D.L.	
13735		CHIN-1-02		Chinese: Mandarin	5	LEC	MWF		09:30A-10:40A		Kresge Clrm 323	Keenan,D.L.	
13736		CHIN-1-03		Chinese: Mandarin	5	LEC	MWF		11:00A-12:10P		Kresge Clrm 323	Keenan,D.L.	
13737		CHIN-4-01		Intermed Chinese	5	H LEC	MWF		08:00A-09:10A		Steven Acad 152	Ku,J.W.	R
13738		CHIN-50-01		Preadvanced Chinese	5	H SEM	MWF		11:00A-12:10P		Cowell Acad 223	Ku,J.W.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
Community Studies													
13818		CMMU-70-01		Video Lab	2	LAB	T		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13819		CMMU-70-02		Video Lab	2	LAB	W		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13820		CMMU-70-03		Video Lab	2	LAB	Th		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13821		CMMU-71-01		Basic Photo Lab	2	LAB	M		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13822		CMMU-71-02		Basic Photo Lab	2	LAB	Th		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13823		CMMU-71-03		Basic Photo Lab	2	LAB	F		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13824		CMMU-72-01		Audio Lab	2	LAB	T		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
				<i>Concurrent enrollment in CMMU 80L is required</i>									
13825		CMMU-80B-01		Civil Rights Movmnt	5	3E LEC	MWF		08:00A-09:10A		Merrill Acad 102	Brundage,D.T.	
				<i>Enroll in lecture and associated discussion section</i>									
13826		CMMU-80B-01A		Discussion		DIS	T		08:30A-09:40A		Earth&Marine B214	Staff	
13827		CMMU-80B-01B		Discussion		DIS	Th		06:00P-07:10P		J Baskin Engr 372	Staff	
13828		CMMU-80B-01C		Discussion		DIS	W		11:00A-12:10P		Engineer 2 192	Staff	
13829		CMMU-80B-01D		Discussion		DIS	M		05:00P-06:10P		Earth&Marine B214	Staff	
13830		CMMU-80L-01		Soc Documentation	5	3 LEC	MW		07:00P-08:45P		Eight Acad 240	Wellman,D.T.	
				<i>Enroll in lecture and associated discussion section</i>									
13831		CMMU-80L-01A		Discussion		DIS	T		10:00A-11:10A		Cowell Acad 223	Staff	
13832		CMMU-80L-01B		Discussion		DIS	Th		06:00P-07:10P		Cowell Acad 223	Staff	
13833		CMMU-80L-01C		Discussion		DIS	W		08:00A-09:10A		Crown Clrm 202	Staff	
13834		CMMU-80L-01D		Discussion		DIS	M		05:00P-06:10P		Oakes Acad 103	Staff	
24074		CMMU-80Q-01		Asian Amer Health	5	3E LEC	T		04:00P-07:30P		Porter Acad 144	Woo,D.	
				<i>Enroll in lecture and associated discussion section</i>									
24736		CMMU-80Q-01A		Discussion		DIS	W		09:30A-10:40A		Earth&Marine B214	Staff	
24737		CMMU-80Q-01B		Discussion		DIS	Th		04:00P-05:10P		Eight Acad 250	Staff	
		CMMU-93-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-93F-XXX		Fld Study Tutorial	2	FLI			**To Be Arranged**			Staff	
		CMMU-93G-XXX		Field Study	3	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-99-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-99F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
24075	Y	CMMU-100K-01		Culture and Health	5	S SEM	MW		05:00P-06:45P		Soc Sci 2 159	Woo,D.	
				<i>See Enrollment Conditions for instructions</i>			Th		06:00P-07:45P		Soc Sci 1 110		
13891	Y	CMMU-100M-01		Healthcare Inequal	5	S SEM	TTh		12:00P-01:45P		Kresge Acad 194	Steiner,A.	
				<i>See Enrollment Conditions for instructions</i>			Th		06:00P-07:45P		Soc Sci 1 110		
24076	Y	CMMU-100Y-01		Youth and Society	5	S SEM	MW		05:00P-06:45P		Eight Acad 242	Perry,P.G.	
				<i>See Enrollment Conditions for instructions</i>			Th		06:00P-07:45P		Soc Sci 1 110		
24077		CMMU-123-01		Walmart Nation	5	LEC	TTh		12:00P-01:45P		Merrill Acad 102	Pudup,M.B.	
				<i>Enroll in lecture and associated discussion section</i>									
24078		CMMU-123-01A		Discussion		DIS			**To Be Arranged**			Staff	
24079		CMMU-123-01B		Discussion		DIS			**To Be Arranged**			Staff	
24080		CMMU-123-01C		Discussion		DIS			**To Be Arranged**			Staff	
24081		CMMU-123-01D		Discussion		DIS			**To Be Arranged**			Staff	
		CMMU-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-193F-XXX		Field Study	2	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-193G-XXX		Field Study	3	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-195A-XXX		Sr Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-195B-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-195C-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		CMMU-199F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
		CMMU-297-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	

Computer Engineering

23798		CMPE-1-01		Hands-on Comp Engr	2	LAB	W		03:30P-05:00P		J Baskin Engr 104	Larrabee,T.	R
14088		CMPE-3-01		Personal Computers	5	N LEC	TTh		12:00P-01:45P		Classroom 002	Staff	
14089		CMPE-3-01A		Secondary Lab		LBS	M		01:30P-03:30P		J Baskin Engr 109	Staff	
14090		CMPE-3-01B		Secondary Lab		LBS	W		07:00P-09:00P		J Baskin Engr 109	Staff	
22829		CMPE-3-01C		Secondary Lab		LBS	Th		04:00P-06:00P		J Baskin Engr 109	Staff	
24413		CMPE-3-01D		Secondary Lab		LBS	F		12:00P-01:00P		J Baskin Engr 109	Staff	
23039		CMPE-12-01		Com Sys/Assmby Lan	5	NQ LEC	MWF		09:30A-10:40A		Soc Sci 2 075	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12L is required</i>									
14091		CMPE-12L-01		Comp Sys/Lang Lab	2	LAB	MW		11:30A-01:30P		J Baskin Engr 109	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12 is required</i>									
14092		CMPE-12L-02		Comp Sys/Lang Lab	2	LAB	WF		01:30P-03:30P		J Baskin Engr 109	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12 is required</i>									
14093		CMPE-12L-03		Comp Sys/Lang Lab	2	LAB	TTh		02:00P-04:00P		J Baskin Engr 109	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12 is required</i>									
14094		CMPE-12L-04		Comp Sys/Lang Lab	2	LAB	TTh		06:00P-08:00P		J Baskin Engr 109	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12 is required</i>									
14096		CMPE-16-01		Appl Discrete Math	5	Q LEC	TTh		08:00A-09:45A		J Baskin Engr 152	Dunbar,W.B.	R
24414		CMPE-80H-01		HistModernComputing	5	2 LEC	TTh		02:00P-03:45P		Cowell Clrm 131	Staff	
14097		CMPE-80N-01		Intro to Networking	5	2 LEC	MW		05:00P-06:45P		J Baskin Engr 152	Staff	
14098		CMPE-100-01		Logic Design	5	LEC	MWF		03:30P-04:40P		Engineer 2 194	Schlag,M.	R
				<i>Previous or concurrent enrollment in CMPE 100L is required</i>									
14099		CMPE-100L-01		Logic Design Lab	2	LAB			**To Be Arranged**		J Baskin Engr 104	Schlag,M.	R
				<i>Previous or concurrent enrollment in CMPE 100 is required</i>									
14100		CMPE-107-01		Math Methods-Stoch	5	LEC	MW		07:00P-08:45P		J Baskin Engr 152	Brandwajn,A.	R
23157		CMPE-107-50		Math Methods-Stoch	5	LEC	MW		07:00P-08:45P		Cupertino	Brandwajn,A.	R
14101		CMPE-110-01		Computer Architect	5	LEC	TTh		04:00P-05:45P		Soc Sci 2 071	Di Blas,A.	R
14102		CMPE-121-01		Micro System Design	5	LEC	TTh		10:00A-11:45A		Engineer 2 194	Petersen,S.C.	R
				<i>Previous or concurrent enrollment in CMPE 121L is required</i>									
14103		CMPE-121L-01		Micro Sys Desgn Lab	2	LAB			**To Be Arranged**		J Baskin Engr 161	Petersen,S.C.	R
				<i>Previous or concurrent enrollment in CMPE 121 is required</i>									
14104	Y	CMPE-123A-01		Engr Design Proj I	3	LEC	MWF		03:30P-04:40P		J Baskin Engr 372	Bazeghi,C.A.	
				<i>Also offered as EE 123A</i>									
14105		CMPE-125-01		Log Desgn W/Verilog	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 171	Chan,P.K.	R
				<i>Concurrent enrollment in 125L is required</i>									
14106		CMPE-125L-01		Verilog Laboratory	1	LAB			**To Be Arranged**		J Baskin Engr 150	Chan,P.K.	R
				<i>Concurrent enrollment in 125 is required</i>									
14107		CMPE-150-01		Intro Comp Networks	5	LEC	MWF		02:00P-03:10P		Soc Sci 1 110	Obraczka,K.	R
24430		CMPE-174-01		Intro to EDA Tools	3	LAB	TTh		02:00P-03:45P		J Baskin Engr 115	Petersen,S.C.	R
14108		CMPE-177-01		Appl Graph Theory	5	LEC	TTh		06:00P-07:45P		Soc Sci 2 167	De Alfaro,L.	R
24401		CMPE-185-01		Tech Writ Comp Engs	5	W LEC	MWF		11:00A-12:10P		Porter Acad 148	Cox,G.M.	R
		CMPE-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-194-XXX		Group Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-195-XXX		Senior Thesis Res	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-198-XXX		Indiv Study Or Res	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
14158		CMPE-200-01		Resrch & Teaching	3	SEM	Th		04:00P-05:45P		Engineer 2 180	Brandwajn,A.	R
				<i>Taught in conjunction with CMPS 200 and BME 200</i>									
23159		CMPE-202-01		Comp Architecture	5	LEC	TTh		06:00P-07:45P		J Baskin Engr 156	Renau Ardevol,J.	R
23312		CMPE-202-50		Comp Architecture	5	LEC	TTh		06:00P-07:45P		Cupertino	Renau Ardevol,J.	R
24402		CMPE-222-01		Intro Vlsi Design	5	LEC	MWF		12:30P-01:40P		J Baskin Engr 156	Bazeghi,C.A.	
24705		CMPE-240-01		LinearDynamicalSystem	5	LEC	TTh		10:00A-11:45A		Soc Sci 1 149	Elkaim,G.H.	R
14160		CMPE-252A-01		Computer Networks	5	LEC	MW		05:00P-06:45P		J Baskin Engr 156	Garcia-Luna-Aceves,J.J.R	
14161		CMPE-252A-50		Computer Networks	5	LEC	MW		05:00P-06:45P		Cupertino	Garcia-Luna-Aceves,J.J.R	
23027		CMPE-258-01		Unix Network Intern	5	LEC	TTh		08:00P-09:45P		Engineer 2 192	Staff	R
23028		CMPE-258-50		Unix Network Intern	5	LEC	TTh		08:00P-09:45P		Cupertino	Staff	R
24706		CMPE-280C-01		Seminar on Control	2	SEM			**To Be Arranged**			Dunbar,W.B.	R
				<i>See sponsoring agency for class number</i>									
23158	Y	CMPE-280P-01		Parallel Processing	2	SEM			**To Be Arranged**			Hughey,R.P.	R
24707		CMPE-280V-01		Seminar:ComputrVision	2	SEM			**To Be Arranged**		Engineer 2 301	Manduchi,R.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24403		CMPE-290V-01		Visual Computing	5	LEC	TTH		12:00P-01:45P		J Baskin Engr 169	Tao,H.	
		CMPE-297-XXX		Ind Study Or Resear	5	IND			**To Be Arranged**			Staff	R
				<i>See sponsoring agency for class number</i>									
		CMPE-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Computer Science

14488		CMPS-2-01		Computer Literacy	5	N LEC	TTH		10:00A-11:45A		Classroom 002	Franca,P.B.	
				<i>Enroll in lecture and associated secondary lab</i>									
22873		CMPS-2-01A		Secondary Lab		LBS MW			09:00A-10:30A		Eight Acad 101	Staff	
22874		CMPS-2-01B		Secondary Lab		LBS WF			11:00A-12:30P		Eight Acad 101	Staff	
22875		CMPS-2-01C		Secondary Lab		LBS MW			12:30P-02:00P		Eight Acad 101	Staff	
22876		CMPS-2-01D		Secondary Lab		LBS TTH			12:30P-02:00P		Eight Acad 101	Staff	
22877		CMPS-2-01E		Secondary Lab		LBS MW			02:00P-03:30P		Eight Acad 101	Staff	
22878		CMPS-2-01F		Secondary Lab		LBS TTH			02:00P-03:30P		Eight Acad 101	Staff	
22879		CMPS-2-01G		Secondary Lab		LBS MW			05:00P-06:30P		Eight Acad 101	Staff	
22880		CMPS-2-01H		Secondary Lab		LBS TTH			04:00P-05:30P		Eight Acad 101	Staff	
22881		CMPS-2-01I		Secondary Lab		LBS MW			07:00P-08:30P		Eight Acad 101	Staff	
22882		CMPS-2-01J		Secondary Lab		LBS TTH			06:00P-07:30P		Eight Acad 101	Staff	
22883		CMPS-2-01K		Secondary Lab		LBS WF			12:30P-02:00P		Soc Sci I 135	Staff	
22884		CMPS-2-01L		Secondary Lab		LBS MW			03:30P-05:00P		Soc Sci I 135	Staff	
22885		CMPS-2-01M		Secondary Lab		LBS TTH			07:00P-08:30P		Soc Sci I 135	Staff	
22886		CMPS-2-01N		Secondary Lab		LBS TTH			02:30P-04:00P		Cowell Com 154	Staff	
22887		CMPS-2-01O		Secondary Lab		LBS WF			09:30A-11:00A		Cowell Com 154	Staff	
24791		CMPS-2-01P		Secondary Lab		LBS MW			11:00A-12:30P		Cowell Com 154	Staff	
14489		CMPS-10-01		Intro Computer Sci	5	N LEC	MWF		11:00A-12:10P		J Baskin Engr 152	Abadi,M.	
				Intro Computer Sci					11:00A-12:10P		J Baskin Engr 152	Tantalo,P.	
23772		CMPS-10-01A		Secondary Lab		LBS M			07:00P-09:00P		J Baskin Engr 109	Staff	
23773		CMPS-10-01B		Secondary Lab		LBS T			12:00P-02:00P		J Baskin Engr 109	Staff	
23774		CMPS-10-01C		Secondary Lab		LBS W			01:30P-03:30P		Soc Sci I 135	Staff	
23775		CMPS-10-01D		Secondary Lab		LBS Th			10:00A-12:00P		Soc Sci I 123	Staff	
23776		CMPS-10-01E		Secondary Lab		LBS F			12:30P-03:30P		Soc Sci I 123	Staff	
14490		CMPS-12A-01		Intro Programming	5	N LEC	MWF		03:30P-04:40P		Kresge Clrm 321	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12L is required</i>									
22857		CMPS-12B-01		Intro Data Structur	5	N LEC	MWF		03:30P-04:40P		J Baskin Engr 152	Mackey,W.F.	R
				<i>Concurrent enrollment in CMPS 12M is required</i>									
23135		CMPS-12B-01A		Discussion		DIS T			12:00P-02:00P		J Baskin Engr 105	Staff	
23136		CMPS-12B-01B		Discussion		DIS W			07:00P-09:00P		J Baskin Engr 105	Staff	
22858		CMPS-12L-01		Comp Prog Lab	2	LAB TTH			03:30P-05:00P		Crwn Comp Lab 201	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12A is required</i>									
22859		CMPS-12L-02		Comp Prog Lab	2	LAB TTH			05:00P-06:30P		Crwn Comp Lab 201	McDowell,C.E.	R
22860		CMPS-12L-03		Comp Prog Lab	2	LAB TTH			03:30P-05:00P		J Baskin Engr 105	McDowell,C.E.	R
22861		CMPS-12L-04		Comp Prog Lab	2	LAB TTH			05:00P-06:30P		J Baskin Engr 105	McDowell,C.E.	R
23107		CMPS-12M-01		Data Structures Lab	2	LAB M			07:00P-09:00P		J Baskin Engr 105	Mackey,W.F.	R
				<i>Concurrent enrollment in CMPS 12B is required</i>									
23108		CMPS-12M-02		Data Structures Lab	2	LAB W			01:00P-03:00P		J Baskin Engr 105	Mackey,W.F.	R
23109		CMPS-12M-03		Data Structures Lab	2	LAB F			09:00A-11:00A		J Baskin Engr 105	Mackey,W.F.	R
24415		CMPS-60G-01		Beg Program Soc Sci	5	N LEC	TTH		08:00A-09:45A		Porter Acad 144	Franca,P.B.	
24416		CMPS-60G-01A		Secondary Lab		LBS T			02:00P-04:00P		MingOng Cmp Lb 108	Staff	
24417		CMPS-60G-01B		Secondary Lab		LBS T			06:00P-08:00P		MingOng Cmp Lb 108	Staff	
24418		CMPS-60G-01C		Secondary Lab		LBS W			09:30A-11:30A		MingOng Cmp Lb 108	Staff	
24419		CMPS-60G-01D		Secondary Lab		LBS W			11:30A-01:30P		MingOng Cmp Lb 108	Staff	
24664		CMPS-60G-01E		Secondary Lab		LBS W			05:00P-07:00P		MingOng Cmp Lb 108	Staff	
24665		CMPS-60G-01F		Secondary Lab		LBS W			07:00P-09:00P		MingOng Cmp Lb 108	Staff	
24666		CMPS-60G-01G		Secondary Lab		LBS Th			12:00P-02:00P		MingOng Cmp Lb 108	Staff	
24667		CMPS-60G-01H		Secondary Lab		LBS Th			04:00P-06:00P		MingOng Cmp Lb 108	Staff	
24420		CMPS-80V-01		Vrml 3D Wrld On Web	5	2 LEC	TTH		02:00P-03:45P		Engineer 2 192	Pang,A.	
24421		CMPS-80V-01A		Secondary Lab		LBS MW			10:30A-11:30A		J Baskin Engr 109	Staff	
24422		CMPS-80V-01B		Secondary Lab		LBS MW			05:00P-06:00P		J Baskin Engr 109	Staff	
24423		CMPS-80V-01C		Secondary Lab		LBS MW			06:00P-07:00P		J Baskin Engr 109	Staff	
14497		CMPS-101-01		Abstract Data Types	5	LEC	TTH		10:00A-11:45A		Kresge Clrm 327	Tantalo,P.	R
22889		CMPS-101-01A		Secondary Lab		LBS M			09:00A-11:00A		J Baskin Engr 105	Staff	
22890		CMPS-101-01B		Secondary Lab		LBS T			06:30P-08:30P		J Baskin Engr 105	Staff	
22891		CMPS-101-01C		Secondary Lab		LBS W			05:00P-07:00P		J Baskin Engr 105	Staff	
22892		CMPS-101-01D		Secondary Lab		LBS Th			12:30P-02:30P		Crwn Comp Lab 201	Staff	
22893		CMPS-101-01E		Secondary Lab		LBS F			10:00A-12:00P		Crwn Comp Lab 201	Staff	
14498		CMPS-102-01		Intro Algorithm Anyl	5	LEC	TTH		12:00P-01:45P		Kresge Clrm 327	Warmuth,M.	R
14499		CMPS-104A-01		Fund Compiler Des I	5	LEC	MWF		12:30P-01:40P		Kresge Clrm 327	Mackey,W.F.	R
14500		CMPS-104A-01A		Secondary Lab		LBS M			01:00P-03:00P		J Baskin Engr 105	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
14501		CMPS-104A-01B		Secondary Lab		LBS	Th		06:30P-08:30P		J Baskin Engr 105	Staff	
14502		CMPS-104A-01C		Secondary Lab		LBS	F		03:00P-05:00P		J Baskin Engr 105	Staff	
23309		CMPS-111-01		Intro Operating Sys	5	LEC	TTh		12:00P-01:45P		Engineer 2 194	Brandt,S.A.	R
23310		CMPS-111-01A		Secondary Lab		LBS	M		05:00P-07:00P		J Baskin Engr 105	Staff	
23311		CMPS-111-01B		Secondary Lab		LBS	W		11:00A-01:00P		J Baskin Engr 105	Staff	
14503		CMPS-130-01		Computational Model	5	LEC	TTh		08:00A-09:45A		N. Sci Annex 101	Levinson,R.A.	R
14504		CMPS-160-01		Intro Comp Graphics	5	LEC	MWF		03:30P-04:40P		Engineer 2 192	Davis,J.E.	R
23360		CMPS-160L-01		Comp Graphics Lab	2	LAB	M		10:00A-12:00P		MingOng Cmp Lb 108	Weissgerber,D.M.	R
23361		CMPS-160L-02		Comp Graphics Lab	2	LAB	M		05:00P-07:00P		MingOng Cmp Lb 108	Weissgerber,D.M.	R
24424		CMPS-180-01		Database Systems I	5	LEC	MWF		09:30A-10:40A		Porter Acad 144	Polyzotis,N.	R
24425		CMPS-180-01A		Secondary Lab		LBS	MW		05:00P-07:00P		Soc Sci 1 123	Staff	
24426		CMPS-180-01B		Secondary Lab		LBS	TTh		02:00P-04:00P		Soc Sci 1 123	Staff	
14505		CMPS-190X-01		Methods Cryptography	5	LEC	MWF		02:00P-03:10P		Soc Sci 2 137	Yellin,J.	R
		CMPS-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-194-XXX		Group Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-195-XXX		Sr Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-198-XXX		Ind Stu Or Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
14566		CMPS-200-01		Research & Teaching	3	SEM	Th		04:00P-05:45P		Engineer 2 180	Brandt,S.A.	R
				<i>Taught in conjunction with CMPE 200 and BME 200</i>									
14567		CMPS-201-01		Analysis Algorithms	5	LEC	TTh		02:00P-03:45P		Engineer 2 194	Van Gelder,A.	R
14568		CMPS-203-01		Programming Languag	5	LEC	TTh		08:00A-09:45A		Engineer 2 192	Flanagan,C.A.	R
14569		CMPS-221-01		Adv Operating System	5	LEC	TTh		10:00A-11:45A		J Baskin Engr 169	Miller,E.L.	R
14570		CMPS-242-01		Machine Learning	5	LEC	MWF		02:00P-03:10P		Steven Acad 213	Helmbold,D.P.	R
24427		CMPS-277-01		Database Systems I	5	LEC	MWF		09:30A-10:40A		J Baskin Engr 169	Tan,W.	R
22865	Y	CMPS-290B-01		Adv Comput Graphics	5	SEM	TTh		10:00A-11:45A		Porter Acad 250	Pang,A.	
		CMPS-296-XXX		Masters Project	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-297-XXX		Indep Study/Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Digital Art and Media

23094		DANM-201-01		DANM: History	5	LEC	W		02:00P-05:00P		Porter Acad 250	Stephens,E.	R
23095		DANM-204A-01		Colloquium Series	2	SEM	M		03:30P-05:00P		Porter Acad 148	Massaro,D.W.	R
24675		DANM-217-01		Concept:ElectronicArt	5	SEM	F		12:30P-04:00P		Porter Acad 250	Reichert,I.C.	R
23096		DANM-219-01		Electronic/Artsmaking	5	LEC	MW		10:00A-12:00P		Porter Acad 140	Osborn,E.P.	R
24676		DANM-224-01		CognitiveApproachMusic	5	SEM			**To Be Arranged**			Carson,B.L.	R
				<i>Also offered as MUSC 224</i>									
24677		DANM-225-01		Theater,Drama&Pixar	5	SEM			**To Be Arranged**			Scheie,D.	R
24084		DANM-250B-01		DANM Project Group	5	LAB			**To Be Arranged**			Sack,W.	R
24086		DANM-250B-02		DANM Project Group	5	LAB			**To Be Arranged**			Elsa,P.Q.	R
24087		DANM-250B-03		DANM Project Group	5	LAB			**To Be Arranged**			Osborn,E.P.	R
24089		DANM-250B-04		DANM Project Group	5	LAB			**To Be Arranged**			Warburton,E.C.	R

Earth Sciences

15105		EART-1-01		Oceanography	5	NQ LEC	TTh		12:00P-01:45P		Thim Lecture 003	Griggs,G.B.	
				<i>Enroll in lecture and associated secondary lab</i>									
15106		EART-1-01A		Secondary Lab		LBS	M		06:00P-07:30P		Earth&Marine D250	Staff	
15107		EART-1-01B		Secondary Lab		LBS	T		10:00A-11:30A		Earth&Marine D250	Staff	
15108		EART-1-01C		Secondary Lab		LBS	T		02:00P-03:30P		Earth&Marine D250	Staff	
15109		EART-1-01D		Secondary Lab		LBS	W		06:00P-07:30P		Earth&Marine D250	Staff	
15110		EART-1-01E		Secondary Lab		LBS	Th		10:00A-11:30A		Earth&Marine D250	Staff	
15111		EART-1-01F		Secondary Lab		LBS	Th		02:00P-03:30P		Earth&Marine D250	Staff	
15112		EART-1-01G		Secondary Lab		LBS	Th		04:00P-05:30P		Earth&Marine D250	Staff	
22848		EART-1-01H		Secondary Lab		LBS	F		12:30P-02:00P		Earth&Marine D250	Staff	
24095		EART-20-01		Environmental Geolo	5	N LEC	TTh		10:00A-11:45A		Thim Lecture 001	Tulaczyk,S.M.	
				<i>Concurrent enrollment in EART 20L is required for majors and minors</i>									
24098		EART-20-01A		Discussion		DIS	T		12:00P-01:00P		Earth&Marine D226	Staff	
24099		EART-20-01B		Discussion		DIS	T		06:00P-07:00P		Earth&Marine D226	Staff	
24100		EART-20-01C		Discussion		DIS	Th		08:30A-09:30A		Earth&Marine D226	Staff	
24103		EART-20L-01		Environmtl Geolgy Lb	1	LAB	W		09:00A-12:00P		Earth&Marine D226	Tulaczyk,S.M.	
24104		EART-20L-02		Environmtl Geolgy Lb	1	LAB	W		06:00P-09:00P		Earth&Marine D226	Tulaczyk,S.M.	
15123		EART-80A-01		Earth Catastrophes	5	2Q LEC	MWF		09:30A-10:40A		Thim Lecture 003	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
15124		EART-80A-01A		Discussion		DIS	M		11:00A-12:00P		Earth&Marine D226	Staff	
15125		EART-80A-01B		Discussion		DIS	M		06:00P-07:00P		Earth&Marine D226	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15126		EART-80A-01C		Discussion		DIS	T		08:30A-09:30A		Earth&Marine D226	Staff	
15127		EART-80A-01D		Discussion		DIS	W		12:30P-01:30P		Earth&Marine D226	Staff	
15128		EART-80A-01E		Discussion		DIS	W		02:00P-03:00P		Earth&Marine D226	Staff	
15129		EART-80A-01F		Discussion		DIS	Th		03:00P-04:00P		Earth&Marine D226	Staff	
15130		EART-80A-01G		Discussion		DIS	Th		04:30P-05:30P		Earth&Marine D226	Staff	
15131		EART-80A-01H		Discussion		DIS	F		11:00A-12:00P		Earth&Marine D226	Staff	
		EART-98-XXX		Internship	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
15136		EART-102-01		Marine Geology	5	LEC	TTh		10:00A-11:45A		Earth&Marine D226	Delaney,M.L.	R
				<i>Taught in conjunction with OCEA 280</i>									
15137		EART-102-01A		Discussion		DIS	F		09:30A-10:40A		Earth&Marine D226	Delaney,M.L.	
22849		EART-104-01		Geologic Hazards	5	LEC	TTh		12:00P-01:45P		Earth&Marine D258	Schwartz,S.Y.	R
22850		EART-104-01A		Discussion		DIS	Th		02:00P-04:00P		Earth&Marine D258	Staff	
22851		EART-104-01B		Discussion		DIS	F		10:00A-12:00P		Earth&Marine D258	Staff	
15138		EART-109-01		Field Geology	5	LEC	Th		10:00A-11:45A		Earth&Marine D258	Schwartz,H.L.	R
				<i>Concurrent enrollment in EART109L is required</i>									
15139		EART-109L-01		Field Geology Lab	2	LAB	T		02:00P-05:00P		Earth&Marine D258	Schwartz,H.L.	
				<i>Concurrent enrollment in EART 109 is required</i>									
15140		EART-109L-02		Field Geology Lab	2	LAB	W		09:30A-12:30P		Earth&Marine D258	Schwartz,H.L.	
				<i>Concurrent enrollment in EART 109 is required</i>									
15141		EART-110A-01		Evolution Of Earth	5	LEC	TTh		02:00P-03:45P		N. Sci Annex 101	Williams,Q.	R
				<i>Concurrent enrollment in EART 110L is required</i>								Zachos,J.C.	
15142		EART-110L-01		Evol of Earth Lab	2	LAB	T		06:00P-09:00P		Earth&Marine D250	Williams,Q.	R
				<i>Concurrent enrollment in EART 110A is required</i>								Zachos,J.C.	
15143		EART-110L-02		Evol of Earth Lab	2	LAB	W		01:00P-04:00P		Earth&Marine D250	Williams,Q.	R
				<i>Concurrent enrollment in EART 110A is required</i>								Zachos,J.C.	
15144		EART-110L-03		Evol of Earth Lab	2	LAB	Th		01:00P-04:00P 06:00P-09:00P		Earth&Marine D250 Earth&Marine D250	Williams,Q.	R
				<i>Concurrent enrollment in EART 110A is required</i>									
24679		EART-111-01		Math in Earth Science	5	Q LEC	TTh		12:00P-01:45P		Earth&Marine D250	Nimmo,W.H.	R
24680		EART-111-01A		Discussion		DIS	W		03:30P-05:30P		Earth&Marine D258	Staff	
24681		EART-111-01B		Discussion		DIS	W		06:00P-08:00P		Earth&Marine D258	Staff	
24110		EART-148-01		Glaciology	5	LEC	MWF		09:30A-10:40A		Earth&Marine D250	Tulaczyk,S.M.	R
22852		EART-165-01		Formation Solar	5	LEC	MWF		11:00A-12:10P		Earth&Marine D250	Asphaug,E.	R
15147		EART-190-01		Earth Sci Mentors	1	SEM	M		04:00P-05:00P		Earth&Marine D250	Staff	R
		EART-195-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
15175		EART-196A-01		Intro Teaching Sem	2	SEM			**To Be Arranged**		Earth&Marine D226	Fisher,A.T.	R
				<i>Taught in conjunction with EART 203</i>									
		EART-196B-XXX		Teach Eart/Univ	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EART-196C-XXX		Teach Eart Sci/Univ	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EART-198-XXX		Eart Ind Internship	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EART-198F-XXX		Earth Sci Internshp	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EART-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EART-199F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
15244		EART-203-01		Intro Teaching Sem	3	LEC			**To Be Arranged**		Earth&Marine D226	Fisher,A.T.	R
				<i>Taught in conjunction with EART 196A</i>									
15245		EART-205-01		Intro Graduate Sem	5	SEM	MW		03:30P-05:15P		Earth&Marine D226	Fisher,A.T.	R
15246		EART-290F-01		Coastal Processes	2	SEM	Th		03:30P-05:00P		Off Campus	Griggs,G.B.	R
24111		EART-290G-01		Topics Globl Tect	5	SEM	MW		12:00P-01:45P		Earth&Marine D236	Silver,E.A.	
24112		EART-290H-01		Hydrogeology	5	SEM	MW		02:00P-03:45P		Earth&Marine D236	Fisher,A.T.	
15247		EART-292-01		Seminar	0	SEM	TTh		04:00P-05:45P		N. Sci Annex 101	Staff	
15248		EART-292-02		Seminar	0	SEM	F		03:30P-05:15P		N. Sci Annex 101	Staff	
		EART-298-XXX		Eart Sci Internship	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Economics

15416		ECON-1-01		Intro Microeconomic	5	S LEC	MWF		11:00A-12:10P		Classroom 002	Kletzer,L.G.	
				<i>Enroll in lecture and associated discussion section</i>									
15417		ECON-1-01A		Discussion		DIS	M		08:00A-09:10A		Cowell Com 134	Staff	
15418		ECON-1-01B		Discussion		DIS	T		10:00A-11:10A		Cowell Com 134	Staff	
15419		ECON-1-01C		Discussion		DIS	W		08:00A-09:10A		Oakes Acad 106	Staff	
15420		ECON-1-01D		Discussion		DIS	Th		12:00P-01:10P		Oakes Acad 106	Staff	
15421		ECON-1-01E		Discussion		DIS	F		08:00A-09:10A		Cowell Com 134	Staff	
15422		ECON-1-01F		Discussion		DIS	M		05:00P-06:10P		Oakes Acad 106	Staff	
15423		ECON-1-01G		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 106	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15424		ECON-1-01H		Discussion		DIS	W		07:00P-08:10P		Oakes Acad 106	Staff	
15425		ECON-1-01I		Discussion		DIS	Th		08:00P-09:10P		Oakes Acad 106	Staff	
15426		ECON-1-01J		Discussion		DIS	T		08:00A-09:10A		Cowell Com 134	Staff	
15427		ECON-1-01K		Discussion		DIS	T		12:00P-01:10P		Cowell Com 134	Staff	
15428		ECON-1-01L		Discussion		DIS	Th		10:00A-11:10A		Cowell Com 134	Staff	
15433		ECON-2-01		Intro Macroeconomic	5	S	LEC	MWF	12:30P-01:40P		Media Theater M110	Isbister,J.W.	
<i>Enroll in lecture and associated discussion section</i>													
15434		ECON-2-01A		Discussion		DIS	M		03:30P-04:40P		Oakes Acad 102	Staff	
15435		ECON-2-01B		Discussion		DIS	T		08:30A-09:40A		Soc Sci 1 161	Staff	
15436		ECON-2-01C		Discussion		DIS	W		05:00P-06:10P		Soc Sci 1 161	Staff	
15437		ECON-2-01D		Discussion		DIS	Th		08:00P-09:10P		Soc Sci 1 161	Staff	
15438		ECON-2-01E		Discussion		DIS	F		08:00A-09:10A		Oakes Acad 102	Staff	
15439		ECON-2-01F		Discussion		DIS	M		08:00A-09:10A		Oakes Acad 102	Staff	
22782		ECON-2-01G		Discussion		DIS	T		12:00P-01:10P		J Baskin Engr 372	Staff	
15440		ECON-2-01H		Discussion		DIS	W		02:00P-03:10P		J Baskin Engr 372	Staff	
15441		ECON-2-01I		Discussion		DIS	Th		08:30A-09:40A		Oakes Acad 102	Staff	
15442		ECON-2-01J		Discussion		DIS	F		03:30P-04:40P		Oakes Acad 102	Staff	
15443		ECON-2-01K		Discussion		DIS	T		04:00P-05:10P		J Baskin Engr 372	Staff	
15444		ECON-2-01L		Discussion		DIS	Th		02:00P-03:10P		Oakes Acad 102	Staff	
15445		ECON-10A-01		Econ Of Accounting	5		LEC	TTh	04:00P-05:45P		Classroom 001	Shepherd,R.J.	
15446		ECON-10A-01A		Discussion		DIS	M		09:30A-10:40A		Merrill Acad 002	Staff	
15447		ECON-10A-01B		Discussion		DIS	T		02:00P-03:10P		Classroom 201	Staff	
15448		ECON-10A-01C		Discussion		DIS	W		08:00A-09:10A		Kresge Clrm 319	Staff	
15449		ECON-10A-01D		Discussion		DIS	Th		06:00P-07:10P		Classroom 201	Staff	
15450		ECON-10A-01E		Discussion		DIS	F		09:30A-10:40A		Kresge Clrm 319	Staff	
15451		ECON-10A-01F		Discussion		DIS	M		03:30P-04:40P		Merrill Acad 002	Staff	
15452		ECON-10A-01G		Discussion		DIS	W		07:00P-08:10P		Kresge Clrm 319	Staff	
15453		ECON-10A-01H		Discussion		DIS	F		02:00P-03:10P		Kresge Clrm 319	Staff	
15454		ECON-10A-01I		Discussion		DIS	Th		10:00A-11:10A		Oakes Acad 101	Staff	
15455		ECON-10A-02		Econ Of Accounting	5		LEC	MW	05:00P-06:45P		Thim Lecture 003	Gusarson,D.D.	
15456		ECON-10A-02A		Discussion		DIS	M		03:30P-04:40P		J Baskin Engr 169	Staff	
15457		ECON-10A-02B		Discussion		DIS	T		12:00P-01:10P		Cowell Acad 216	Staff	
15458		ECON-10A-02C		Discussion		DIS	W		02:00P-03:10P		J Baskin Engr 169	Staff	
15459		ECON-10A-02D		Discussion		DIS	Th		08:30A-09:40A		Kresge Clrm 319	Staff	
15460		ECON-10A-02E		Discussion		DIS	F		08:00A-09:10A		Merrill Acad 002	Staff	
15461		ECON-10A-02F		Discussion		DIS	W		07:00P-08:10P		J Baskin Engr 169	Staff	
15462		ECON-10A-02G		Discussion		DIS	F		02:00P-03:10P		Merrill Acad 002	Staff	
22789		ECON-10A-02H		Discussion		DIS	T		08:30A-09:40A		Oakes Acad 101	Staff	
22790		ECON-10A-02I		Discussion		DIS	Th		08:00P-09:10P		Kresge Clrm 319	Staff	
15463		ECON-11A-01		Math Methd for Econ	5	Q	LEC	MWF	02:00P-03:10P		Steven Acad 150	Katznelson,J.R.	R
<i>Also offered as AMS 11A</i>													
15464		ECON-11A-01A		Discussion		DIS	M		03:30P-04:40P		Steven Acad 151	Staff	
15465		ECON-11A-01B		Discussion		DIS	T		08:30A-09:40A		Steven Acad 152	Staff	
15466		ECON-11A-01C		Discussion		DIS	W		07:00P-08:10P		Steven Acad 152	Staff	
15467		ECON-11A-01D		Discussion		DIS	Th		08:30A-09:40A		Oakes Acad 222	Staff	
24113		ECON-11A-01E		Discussion		DIS	Th		08:00P-09:10P		Kresge Clrm 325	Staff	
24114		ECON-11A-01F		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 222	Staff	
15468		ECON-11B-01		Math Methd for Econ	5	Q	LEC	MWF	09:30A-10:40A		Steven Acad 150	Katznelson,J.R.	R
<i>Also offered as AMS 11B</i>													
15469		ECON-11B-01A		Discussion		DIS	M		03:30P-04:40P		Soc Sci 1 145	Staff	
15470		ECON-11B-01B		Discussion		DIS	T		12:00P-01:10P		Soc Sci 1 145	Staff	
15471		ECON-11B-01C		Discussion		DIS	W		07:00P-08:10P		Soc Sci 2 165	Staff	
15472		ECON-11B-01D		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 1 145	Staff	
24115		ECON-11B-01E		Discussion		DIS	F		03:30P-04:40P		Soc Sci 2 165	Staff	
24116		ECON-11B-01F		Discussion		DIS	T		08:00P-09:10P		Soc Sci 1 145	Staff	
24117		ECON-80A-01		Hope/Crisis Captlsm	5	3	LEC	MW	05:00P-06:45P		Steven Acad 175	Kaun,D.E.	
<i>Taught in conjunction with ECON 189</i>													
15479		ECON-100A-01		Intermed Microecon	5		LEC	MWF	12:30P-01:40P		J Bask Aud 101	Marion,J.	R
15480		ECON-100A-01A		Discussion		DIS	M		03:30P-04:40P		Steven Acad 152	Staff	
15481		ECON-100A-01B		Discussion		DIS	T		08:30A-09:40A		Kresge Clrm 325	Staff	
15482		ECON-100A-01C		Discussion		DIS	W		08:00A-09:10A		Merrill Acad 132	Staff	
15483		ECON-100A-01D		Discussion		DIS	Th		06:00P-07:10P		Kresge Clrm 325	Staff	
15484		ECON-100A-01E		Discussion		DIS	F		08:00A-09:10A		J Baskin Engr 165	Staff	
23924		ECON-100A-01F		Discussion		DIS	W		03:30P-04:40P		Steven Acad 151	Staff	
23925		ECON-100A-01G		Discussion		DIS	T		08:00P-09:10P		Oakes Acad 222	Staff	
23926		ECON-100A-01H		Discussion		DIS	Th		08:30A-09:40A		Kresge Clrm 325	Staff	
15485		ECON-100B-01		Intermed Macroecon	5		LEC	MWF	11:00A-12:10P		Classroom 001	Kletzer,K.M.	R
15486		ECON-100B-01A		Discussion		DIS	M		08:00A-09:10A		Merrill Acad 132	Staff	
15487		ECON-100B-01B		Discussion		DIS	T		04:00P-05:10P		Kresge Clrm 325	Staff	
15488		ECON-100B-01C		Discussion		DIS	W		07:00P-08:10P		Kresge Clrm 325	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15489		ECON-100B-01D		Discussion		DIS	Th		08:30A-09:40A		Steven Acad 151	Staff	
15490		ECON-100B-01E		Discussion		DIS	F		03:30P-04:40P		Steven Acad 152	Staff	
15491		ECON-100B-01F		Discussion		DIS	Th		08:00P-09:10P		Merrill Acad 130	Staff	
24124		ECON-106-01		Evolutnary Thought	5	W	LEC	TTh	04:00P-05:45P		Eight Acad 252	Friedman,D.	R
15493		ECON-107-01		Economic Justice	5	W	LEC	MWF	09:30A-10:40A		N. Sci Annex 101	Isbister,J.W.	R
24125		ECON-107-01A		Discussion		DIS	T		08:30A-09:40A		Oakes Acad 222	Staff	
24126		ECON-107-01B		Discussion		DIS	Th		04:00P-05:10P		Merrill Acad 132	Staff	
24127		ECON-107-01C		Discussion		DIS	M		05:30P-06:40P		Kresge Clrm 325	Staff	
15494		ECON-111A-01		Intermed Account I	5		LEC	TTh	12:00P-01:45P		J Bask Aud 101	Shepherd,R.J.	R
				<i>Taught in conjunction with ECON 209A</i>									
15495		ECON-111A-01A		Discussion		DIS	M		09:30A-10:40A		Merrill Acad 003	Staff	
15496		ECON-111A-01B		Discussion		DIS	T		08:30A-09:40A		J Baskin Engr 169	Staff	
15497		ECON-111A-01C		Discussion		DIS	W		08:00A-09:10A		Merrill Acad 002	Staff	
15498		ECON-111A-01D		Discussion		DIS	Th		08:30A-09:40A		Oakes Acad 101	Staff	
15499		ECON-111A-01E		Discussion		DIS	F		09:30A-10:40A		Merrill Acad 002	Staff	
15500		ECON-111A-01F		Discussion		DIS	M		02:00P-03:10P		Merrill Acad 002	Staff	
15501		ECON-111A-01G		Discussion		DIS	T		06:00P-07:10P		Merrill Acad 002	Staff	
15502		ECON-111A-01H		Discussion		DIS	W		07:00P-08:10P		Merrill Acad 002	Staff	
15503		ECON-111A-01I		Discussion		DIS	Th		08:00P-09:10P		Merrill Acad 002	Staff	
22797		ECON-111A-01J		Discussion		DIS	F		03:30P-04:40P		Merrill Acad 003	Staff	
15504		ECON-113-01		Intro Econometrics	5	Q	LEC	MWF	03:30P-04:40P		Oakes Acad 105	Wittman,D.A.	R
15505		ECON-113-01A		Discussion		DIS	W		05:00P-06:10P		Oakes Acad 222	Staff	
15506		ECON-113-01B		Discussion		DIS	W		07:00P-08:10P		Oakes Acad 222	Staff	
15507		ECON-113-01C		Discussion		DIS	W		05:30P-06:40P		Kresge Clrm 325	Staff	
15508		ECON-113-01D		Discussion		DIS	Th		06:00P-07:10P		Oakes Acad 222	Staff	
15509		ECON-113-01E		Discussion		DIS	Th		04:00P-05:10P		Kresge Clrm 325	Staff	
15510		ECON-113-01F		Discussion		DIS	Th		08:00P-09:10P		Oakes Acad 222	Staff	
24507		ECON-118-01		Fraud Examination	5		LEC	MWF	03:30P-04:40P		Merrill Acad 102	Gusarson,D.D.	R
24508		ECON-118-01A		Discussion		DIS	M		08:00A-09:10A		Merrill Acad 003	Staff	
24509		ECON-118-01B		Discussion		DIS	T		08:30A-09:40A		Merrill Acad 003	Staff	
24510		ECON-118-01C		Discussion		DIS	W		02:00P-03:10P		Merrill Acad 002	Staff	
24511		ECON-118-01D		Discussion		DIS	Th		06:00P-07:10P		Merrill Acad 003	Staff	
24512		ECON-118-01E		Discussion		DIS	F		09:30A-10:40A		Merrill Acad 003	Staff	
24789		ECON-120-01		Economic Developmnt	5	E	LEC	MWF	08:00A-09:10A		J Baskin Engr 152	Staff	R
15512		ECON-125-01		Econ History Of Us	5		LEC	TTh	06:00P-07:45P		J Baskin Engr 152	Elbaum,B.L.	R
24128		ECON-125-01A		Discussion		DIS	M		07:00P-08:10P		Soc Sci 2 165	Staff	
24129		ECON-125-01B		Discussion		DIS	T		04:00P-05:10P		Soc Sci 2 165	Staff	
24130		ECON-125-01C		Discussion		DIS	W		08:00A-09:10A		Porter Acad 249	Staff	
24131		ECON-125-01D		Discussion		DIS	Th		10:00A-11:10A		Soc Sci 2 165	Staff	
24132		ECON-125-01E		Discussion		DIS	F		03:30P-04:40P		Soc Sci 2 159	Staff	
22804		ECON-131-01		Internatnl Markets	5		LEC	TTh	08:00A-09:45A		Soc Sci 1 110	Cheung,Y.	R
24133		ECON-133-01		Security Markets	5		LEC	MWF	08:00A-09:10A		Steven Acad 150	Staff	R
24134		ECON-133-01A		Discussion		DIS	M		05:00P-06:10P		Merrill Acad 132	Staff	
24135		ECON-133-01B		Discussion		DIS	T		04:00P-05:10P		Steven Acad 152	Staff	
24136		ECON-133-01C		Discussion		DIS	W		03:30P-04:40P		Steven Acad 152	Staff	
24137		ECON-133-01D		Discussion		DIS	Th		08:30A-09:30A		Merrill Acad 132	Staff	
22805		ECON-136-01		Business Strategy	5		LEC	MWF	12:30P-01:40P		Kresge Clrm 321	Flannery,M.	R
22806		ECON-136L-01		Business Stratgy Lab	2		LAB		**To Be Arranged**				
24138		ECON-138-01		Tecnology & Innovat	5		LEC	TTh	10:00A-11:45A		Merrill Acad 130	Singh,N.	R
15513		ECON-140-01		International Trade	5		LEC	TTh	10:00A-11:45A		J Baskin Engr 152	Brooks,E.L.	R
15514		ECON-140-01A		Discussion		DIS	M		08:00A-09:10A		Oakes Acad 106	Staff	
15515		ECON-140-01B		Discussion		DIS	W		05:00P-06:10P		Cowell Com 134	Staff	
24139		ECON-150-01		Public Finance	5		LEC	MWF	11:00A-12:10P		Soc Sci 2 179	Marion,J.	R
				<i>Taught in conjunction with ECON 250</i>									
15516		ECON-162-01		Legal Env Business	5		LEC	MW	05:00P-06:45P		Soc Sci 2 075	Bosso,R.E.	R
				<i>Also offered as LGST 162</i>									
15517		ECON-164-01		Telecommunica Indus	5		LEC	MWF	09:30A-10:40A		Thim Lecture 001	Flannery,M.	R
24144		ECON-164-01A		Discussion		DIS	T		06:00P-07:10P		Soc Sci 1 161	Staff	
24145		ECON-164-01B		Discussion		DIS	Th		12:00P-01:10P		Soc Sci 1 161	Staff	
24146		ECON-175-01		Energy Economics	5		LEC	TTh	04:00P-05:45P		Soc Sci 2 179	Gonzalez,J.H.	R
15518	Y	ECON-186-01		Mathematical Mthds	5		LEC		**To Be Arranged**				
				<i>See Enrollment Conditions for instructions</i>									
24118		ECON-189-01		Polit Econ Capitali	5		LEC	MW	05:00P-06:45P		Steven Acad 175	Kaun,D.E.	R
				<i>Taught in conjunction with ECON 80A</i>									
		ECON-193-XXX		Field Study	5		FLI		**To Be Arranged**				
				<i>See sponsoring agency for class number</i>									
15659		ECON-200-01		Microecon Analysis	5		LEC	TTh	12:00P-01:45P		Soc Sci 2 159	Friedman,D.	
15660		ECON-204A-01		Adv Microecon Theor	5		LEC	MWF	11:00A-12:10P		Cowell Acad 222	Wittman,D.A.	
15661		ECON-205A-01		Adv Macroecon Theor	5		LEC	MW	05:00P-06:45P		Porter Acad 246	Kletzer,K.M.	
15662		ECON-209A-01		Accounting I	5		LEC	TTh	12:00P-01:45P		J Bask Aud 101	Shepherd,R.J.	R
				<i>Taught in conjunction with ECON 111A</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15663		ECON-210B-01		Math Methods Econ	5		LEC		**To Be Arranged**			Costain,J.S.	
15664		ECON-211C-01		Empirical Research	5		LEC	TTh	12:00P-01:45P		Steven Acad 213	Cheung,Y.	
15690		ECON-216-01		Applied Economet I	5		LEC	TTh	10:00A-11:45A		Soc Sci 1 145	Fairlie,R.W.	
24147		ECON-220A-01		Dev Econ Theory	5		LEC	TTh	10:00A-11:45A		Soc Sci 2 141	Aizenman,J.	
24150		ECON-235-01		Corporate Finance	5		LEC	TTh	12:00P-01:45P		Soc Sci 2 363	Elbaum,B.L.	R
15692		ECON-240A-01		Adv Intl Trade Thry	5		LEC	TTh	08:00A-09:45A		Porter Acad 250	Staff	R
15693		ECON-241A-01		Adv Intl Finance I	5		LEC	TTh	08:00A-09:45A		Soc Sci 2 171	Aizenman,J.	
24140		ECON-250-01		Adv Public Finance	5		SEM	MWF	11:00A-12:10P		Soc Sci 2 179	Marion,J.	
				<i>Taught in conjunction with ECON 150</i>									
15719		ECON-294A-01		Applied Econ Lab	2		LAB	TTh	06:00P-07:45P		Soc Sci 2 159	Fairlie,R.W.	
		ECON-295A-XXX		Directed Reading	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		ECON-295B-XXX		Directed Reading	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
15797		ECON-296A-01		3rd Year Ph.D. Sem	5		SEM	TTh	06:00P-07:45P		Porter Acad 250	Singh,N.	R
Education													
24153		EDUC-92B-01		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								M	08:00A-09:10A		Merrill Acad 130		
24154		EDUC-92B-02		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								W	08:00A-09:10A		Merrill Acad 130		
24155		EDUC-92B-03		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								F	08:00A-09:10A		Merrill Acad 130		
24156		EDUC-92B-04		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								T	08:00A-09:10A		Merrill Acad 130		
24157		EDUC-92B-05		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								Th	08:00A-09:10A		Merrill Acad 130		
24158		EDUC-92B-06		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								M	07:00P-08:10P		Merrill Acad 130		
24159		EDUC-92B-07		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								W	07:00P-08:10P		Merrill Acad 130		
24160		EDUC-92B-08		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								T	06:00P-07:10P		Merrill Acad 130		
24161		EDUC-92B-09		Intro Theories Educ	5	S	LEC	M	05:00P-06:10P		Classroom 002	Wells,C.G.	
								Th	06:00P-07:10P		Merrill Acad 130		
24162		EDUC-92B-10		Intro Theories Educ	5	S	LEC	M	05:00P-06:45P		Classroom 002	Wells,C.G.	
								T	08:00P-09:10P		Merrill Acad 130		
		EDUC-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23156		EDUC-115-01		K-12 Student Assess	5		LEC	TTh	10:00A-11:45A		Porter Acad 144	Shaw,J.M.	R
22819		EDUC-160-01		Educ Reform Issues	5		LEC	TTh	10:00A-11:45A		Soc Sci 2 179	Bartlett,L.	
24712		EDUC-180-01		Intro To Teaching	5		LEC	TTh	06:00P-07:45P		Steven Acad 150	Tellez,K.T.	
24713		EDUC-180-01A		Discussion			DIS	M	05:00P-06:10P		Soc Sci 2 363	Staff	
24714		EDUC-180-01B		Discussion			DIS	M	07:00P-08:10P		Soc Sci 2 363	Staff	
24715		EDUC-180-01C		Discussion			DIS	M	07:00P-08:10P		Soc Sci 2 171	Staff	
24716		EDUC-180-01D		Discussion			DIS	W	05:00P-06:10P		Soc Sci 2 363	Staff	
24717		EDUC-180-01E		Discussion			DIS	W	07:00P-08:10P		Soc Sci 2 363	Staff	
24718		EDUC-180-01F		Discussion			DIS	W	07:00P-08:10P		Soc Sci 2 171	Staff	
22820		EDUC-181-01		Race, Class, Cultur	5	E	LEC	TTh	04:00P-05:45P		Engineer 2 194	Tellez,K.T.	
		EDUC-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-194-XXX		Group Projects	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
16060		EDUC-200A-01		Intr Educat Inquiry	5		SEM	T	02:00P-05:00P		Soc Sci 1 239	Ogawa,R.T.	R
16061		EDUC-203-01		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Soc Sci 2 171	Staff	
16062		EDUC-203-02		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Crown Clrm 201	Bilardello,J.A.	
16063		EDUC-203-03		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Porter Acad 249	Davis,R.J.	
16064		EDUC-203-04		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 171	Ebert,V.	
16065		EDUC-203-05		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Soc Sci 2 363	Kipps,M.J.	
16066		EDUC-203-06		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Soc Sci 1 149	Madden,J.C.	
16067		EDUC-203-07		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 363	Murphy,K.J.	
16068		EDUC-203-08		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Cowell Acad 223	Siddens,S.	
16069		EDUC-211A-01		Reading & Lang Arts	5		LEC	TTh	04:00P-05:45P		Eight Acad 242	Scott,J.A.	R
16070		EDUC-211A-02		Reading & Lang Arts	5		LEC	TTh	04:00P-05:45P		Merrill Acad 130	Pease-Alvarez,L.	R
16072		EDUC-212B-01		Sci Ed:Resrch/Pract	5		LEC	TTh	02:00P-03:45P		Merrill Acad 130	Ash,D.B.	R
16073		EDUC-213A-01		Math Learn & Teach	5		LEC	TTh	12:00P-01:45P		Soc Sci 1 261	Aguirre,J.M.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24164		EDUC-213A-02		Math Learn & Teach	5	LEC	F		09:00A-12:30P		Cardiff House 113	Staff	R
16074		EDUC-213B-01		Math Education	5	LEC	TTh		02:00P-03:45P		Soc Sci 1 161	Moschkovich,J.N.	R
16075		EDUC-214A-01		English Teaching	5	SEM	TTh		02:00P-03:45P		Merrill Acad 132	Olsen,B.	R
16076		EDUC-215A-01		Social Science	5	SEM	TTh		02:00P-03:45P		Porter Acad 241	Davis,R.J.	R
22830		EDUC-253-01		Methods Engl Lang	5	LEC	M		02:00P-05:30P		Cardiff House 113	Bunch,G.	R
22831		EDUC-253-02		Methods Engl Lang	5	LEC	W		02:00P-05:30P		Cardiff House 113	Bunch,G.	R
16077		EDUC-261-01		Think,Learn,Teach	5	SEM	M		12:00P-03:30P		Soc Sci 1 239	Moschkovich,J.N.	R
24693		EDUC-265B-01		TopicsElemEducation	2	LEC			**To Be Arranged**			Staff	R
24694		EDUC-265B-02		TopicsElemEducation	2	LEC			**To Be Arranged**			Bilardello,J.A.	R
24695		EDUC-265B-03		TopicsElemEducation	2	LEC			**To Be Arranged**			Davis,R.J.	R
24696		EDUC-265B-04		TopicsElemEducation	2	LEC			**To Be Arranged**			Ebert,V.	R
24697		EDUC-265B-05		TopicsElemEducation	2	LEC			**To Be Arranged**			Kipps,M.J.	R
24698		EDUC-265B-06		TopicsElemEducation	2	LEC			**To Be Arranged**			Madden,J.C.	R
24699		EDUC-265B-07		TopicsElemEducation	2	LEC			**To Be Arranged**			Murphy,K.J.	R
24700		EDUC-265B-08		TopicsElemEducation	2	LEC			**To Be Arranged**			Siddens,S.	R
24687		EDUC-266B-01		Sociolinguistics/Educ	5	SEM	Th		09:30A-12:30P		Soc Sci 1 239	Olsen,B.	R
24701		EDUC-268C-01		CHAT & Educ Practice	5	SEM	T		09:30A-12:30P		Soc Sci 1 239	Wells,C.G.	R
16078		EDUC-269A-01		Doctoral Proseminar	2	SEM	F		11:00A-01:00P		Soc Sci 1 239	Aguirre,J.M.	R
23060		EDUC-270A-01		2nd Yr Prof Dev Sem	2	SEM	W		12:30P-02:00P		Soc Sci 1 239	Gibson,M.A.	R
16079		EDUC-284A-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
16080		EDUC-284B-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
16081		EDUC-284C-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
22833		EDUC-295-01		Portfolio Developmt	2	SEM			**To Be Arranged**			Marchese,T.E.	R
		EDUC-296-XXX		Teach Apprentsp Ind	5	IND			**To Be Arranged**			Staff	
				See sponsoring agency for class number									
		EDUC-297-XXX		Indep Study	5	IND			**To Be Arranged**			Staff	
				See sponsoring agency for class number									
		EDUC-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				See sponsoring agency for class number									

Electrical Engineering

16149		EE-70-01		Intro Elec Circuits	5	LEC	MWF		03:30P-04:40P		Soc Sci 2 075	Liu,W.	R
				Previous or concurrent enrollment in EE 70L is required									
16150		EE-70L-01		Intr Elec Circ Lab	1	LAB			**To Be Arranged**		J Baskin Engr 113	Liu,W.	R
				Previous or concurrent enrollment in EE 70 is required									
16151		EE-103-01		Signals & Systems	5	LEC	MW		05:00P-06:45P		Porter Acad 148	Sadjadpour,H.R.	R
23100	Y	EE-123A-01		Engr Design Proj I	3	LEC	MWF		03:30P-04:40P		J Baskin Engr 372	Bazeghi,C.A.	R
				Also offered as CMPE 123A								Vesecky, J.F.	
22812		EE-145-01		Props Of Materials	5	LEC	TTh		12:00P-01:45P		J Baskin Engr 165	Schmidt,H.	R
				Concurrent enrollment in 145L is required									
22813		EE-145L-01		Props Of Matrls Lab	1	LAB			**To Be Arranged**		J Baskin Engr 162	Schmidt,H.	R
				Concurrent enrollment in 145 is required									
16207		EE-221-01		Adv Analog Circuits	5	LEC	MW		05:00P-06:45P		Soc Sci 2 165	Pedrotti,K.	R
22814		EE-233-01		Fiber & Int Optics	5	LEC	MWF		09:30A-10:40A		Merrill Acad 132	Gu,C.X.	R
24428		EE-250-01		Digital Signal Proc	5	LEC	TTh		02:00P-03:45P		Cowell Acad 216	Staff	R
24753		EE-252-01		Wireless Mobile Com	5	LEC	MWF		09:30A-10:40A		Engineer 2 194	Narasimhan,R.K.	R

Environmental Studies

16286		ENVS-24-01		General Ecology	5	N LEC	TTh		02:00P-03:45P		Earth&Marine B206	Washburn,J.	
				Enroll in lecture and associated discussion section									
16287		ENVS-24-01A		Discussion		DIS	M		12:30P-01:40P		Engineer 2 194	Staff	
16288		ENVS-24-01B		Discussion		DIS	M		06:30P-07:40P		Earth&Marine B214	Staff	
16289		ENVS-24-01C		Discussion		DIS	T		06:00P-07:10P		Earth&Marine B214	Staff	
16290		ENVS-24-01D		Discussion		DIS	W		11:00A-12:10P		Engineer 2 194	Staff	
16291		ENVS-24-01E		Discussion		DIS	W		05:00P-06:10P		Earth&Marine B214	Staff	
16292		ENVS-24-01F		Discussion		DIS	Th		07:30P-08:40P		J Baskin 372	Staff	
23770		ENVS-24-01G		Discussion		DIS	F		12:30P-01:40P		Engineer 2 194	Staff	
23771		ENVS-24-01H		Discussion		DIS	Th		04:00P-05:10P		ISB 431	Staff	
22834		ENVS-80B-01		Forecast Globl Warm	5	7 LEC	TTh		10:00A-11:45A		Oakes Acad 105	Boykoff,M.T.	
		ENVS-83-XXX		Internship	5	FLI			**To Be Arranged**			Staff	
				See sponsoring agency for class number									
24520		ENVS-91F-01		Community /Agroecology 2		SEM	Th		04:00P-05:45P		Lower Quarry	Gliessman,S.R.	
				Taught in conjunction with ENVS 191F									
16345		ENVS-100-01		Ecology and Society	5	LEC	TTh		12:00P-01:45P		J Baskin Engr 152	Fitzsimmons,M.I.	R
				Concurrent enrollment in ENVS 100L is required								Zavaleta,E.S.	
16346		ENVS-100L-01		Ecol & Soc Writ Lab	2	W LAB	T		08:00A-09:45A		ISB 221	Rabkin,S.	R
				Concurrent enrollment in ENVS 100 is required									
16347		ENVS-100L-02		Ecol & Soc Writ Lab	2	W LAB	T		02:00P-03:45P		Nat Sci 2 411	Rabkin,S.	R
				Concurrent enrollment in ENVS 100 is required									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
16348		ENVS-100L-03		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	T	04:00P-05:45P		ISB 221	Rabkin,S.	R
16349		ENVS-100L-04		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	T	06:00P-07:45P		ISB 221	Rabkin,S.	R
16350		ENVS-100L-05		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	Th	08:00A-09:45A		Nat Sci 2 411	Rabkin,S.	R
16351		ENVS-100L-06		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	Th	10:00A-11:45A		ISB 431	Rabkin,S.	R
16352		ENVS-100L-07		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	Th	04:00P-05:45P		ISB 221	Rabkin,S.	R
16353		ENVS-100L-08		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W	LAB	Th	06:00P-07:45P		ISB 221	Rabkin,S.	R
22837		ENVS-115A-01		GIS & Envrnmtl Applic <i>Concurrent enrollment in ENVS 115L is required</i>	5		LEC	TTh	12:00P-01:45P		N. Sci Annex 101	Fulfroost,B.	R
22838		ENVS-115L-01		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2		LAB	M	08:30A-11:30A		ISB 486	Fulfroost,B.	R
22839		ENVS-115L-02		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2		LAB	M	12:30P-03:30P		ISB 486	Fulfroost,B.	R
22840		ENVS-115L-03		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2		LAB	W	08:30A-11:30A		ISB 486	Fulfroost,B.	R
22841		ENVS-115L-04		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2		LAB	W	12:30P-03:30P		ISB 486	Fulfroost,B.	R
16356		ENVS-120-01		Conservation Biology <i>Enroll in lecture and associated discussion section</i>	5		LEC	TTh	08:00A-09:45A		Earth&Marine B210	Zavaleta,E.S.	R
22842		ENVS-120-01A		Discussion			DIS		**To Be Arranged**			Staff	
22843		ENVS-120-01B		Discussion			DIS		**To Be Arranged**			Staff	
16357		ENVS-130A-01		Agroeco & Sust Ag <i>Concurrent enrollment in ENVS 130L is required</i>	5		LEC	MWF	02:00P-03:10P		Steven Acad 175	Gliessman,S.R.	R
16358	Y	ENVS-130L-01		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2		LAB	T	08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
16359	Y	ENVS-130L-02		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2		LAB	W	08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
16360	Y	ENVS-130L-03		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2		LAB	Th	08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
16361	Y	ENVS-130L-04		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2		LAB	F	08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
24165		ENVS-141-01		Nat Resources/Econ	5		LEC	TTh	10:00A-11:45A		Porter Acad 148	Richards,A.R.	R
24166		ENVS-152-01		Science & Land Use	5		SEM	TTh	02:00P-03:45P		ISB 221	Gill,J.B.	R
16362		ENVS-160-01		Restoration Ecology <i>Enroll in lecture and associated discussion section</i>	5		LEC	MWF	12:30P-01:40P		Earth&Marine B210	Holl,K.D.	R
16363		ENVS-160-01A		Discussion			DIS		**To Be Arranged**			Staff	
16364		ENVS-160-01B		Discussion			DIS		**To Be Arranged**			Staff	
		ENVS-183-XXX		Envs Stu Internship <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		ENVS-183B-XXX		Senior Internship <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		ENVS-184-XXX		Envs Stu Internship <i>See sponsoring agency for class number</i>	2		FLI		**To Be Arranged**			Staff	
24521		ENVS-191F-01		Community/Agroecology	2		SEM	Th	04:00P-05:45P		Lower Quarry	Gliessman,S.R.	R
24522		ENVS-196A-01		Senior Seminar	5		SEM	TTh	10:00A-11:45A		ISB 221	Fusari,M.H.	R
16750		ENVS-201A-01		Keywords & Concepts	5		SEM	MW	11:00A-12:40P		ISB 455	Fitzsimmons,M.I.	R
				Keywords & Concepts					11:00A-12:40P		ISB 455	Letourneau,D.K.	
24167		ENVS-230-01		Agro & Sustain Agri	5		SEM		**To Be Arranged**		ISB 455	Shennan,C.	R
16753		ENVS-290-01		Interdis Research	2		SEM	M	03:30P-05:00P		N. Sci Annex 101	Holl,K.D.	R
16754		ENVS-290L-01		Research Seminar	2		LAB	M	02:00P-03:10P		ISB 221	Richards,A.R.	R
24169		ENVS-291-01		Adv Readings In Envs	3		SEM		**To Be Arranged**		ISB 455	Fitzsimmons,M.I.	R
16755		ENVS-292-01		Research In Envs	2		SEM		**To Be Arranged**			Fitzsimmons,M.I.	R
16756		ENVS-292-02		Research In Envs	2		SEM		**To Be Arranged**			Gliessman,S.R.	R
16757		ENVS-292-03		Research In Envs	2		SEM		**To Be Arranged**			Holl,K.D.	R
16758		ENVS-292-04		Research In Envs	2		SEM		**To Be Arranged**			Kelso,D.D.	R
24170		ENVS-292-05		Research In Envs	2		SEM		**To Be Arranged**			Letourneau,D.K.	R
16759		ENVS-292-06		Research In Envs	2		SEM		**To Be Arranged**			Loik,M.E.	R
16760		ENVS-292-07		Research In Envs	2		SEM		**To Be Arranged**			Press,D.M.	R
16761		ENVS-292-08		Research In Envs	2		SEM		**To Be Arranged**			Rajan,S.R.	R
16762		ENVS-292-09		Research In Envs	2		SEM		**To Be Arranged**			Richards,A.R.	R
16763		ENVS-292-10		Research In Envs	2		SEM		**To Be Arranged**			Shennan,C.	R
22846		ENVS-292-11		Research In Envs	2		SEM		**To Be Arranged**			Zavaleta,E.S.	R

Environmental Toxicology

16871		ETOX-80E-01		Aquatic Toxicology	5	2Q	LEC	TTh	02:00P-03:45P		Soc Sci 2 075	Flegal,A.R.	
16872		ETOX-80E-01A		Discussion			DIS	T	06:00P-07:10P		J Baskin Engr 169	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
16873		ETOX-80E-01B		Discussion		DIS	W		11:00A-09:10A		J Baskin Engr 169	Staff	
16874		ETOX-80E-01C		Discussion		DIS	W		05:00P-06:00P		J Baskin Engr 169	Staff	
16875		ETOX-80E-01D		Discussion		DIS	Th		08:30A-09:40A		J Baskin Engr 169	Staff	
24551		ETOX-101-01		Source of Pollutnts	5	LEC	TTh		10:00A-11:45A		Classroom 201	Flegal,A.R.	
		ETOX-195-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		ETOX-198-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		ETOX-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
22688		ETOX-201-01		Sources/Pollutants	5	LEC	TTh		10:00A-11:45A		Classroom 201	Flegal,A.R.	R
16893		ETOX-281F-01		Topics Aquatic Tox	5	SEM			**To Be Arranged**			Flegal,A.R.	R
22909		ETOX-2810-01		Bacterial Pathogen	2	SEM			**To Be Arranged**			Ottemann,K.M.	R
				<i>Also offered as BIOL 2800</i>									
22910		ETOX-281S-01		Cell&Org/Toxicants	5	SEM			**To Be Arranged**			Smith,D.R.	R
16894		ETOX-281Y-01		Bacterial Biofilms	2	SEM			**To Be Arranged**			Yildiz,F.	R
22911		ETOX-281Z-01		Genetic Responses	2	SEM			**To Be Arranged**			Zhu,Z.	R
24172		ETOX-290-01		Proseminar	5	SEM	TTh		04:00P-05:45P		J Baskin Engr 169	Staff	R
16895		ETOX-292-01		Intro Grad Seminar	0	SEM	T		12:00P-01:00P		TBA	Saltikov,C.W.	R
Film and Digital Media													
16931		FILM-20A-01		The Film Experience	5	HA LEC	TTh		04:00P-05:45P		Media Theater M110	Limbrick,P.E.	R
				<i>Enroll in lecture and associated discussion section</i>									
							T		07:00P-10:00P		Media Theater M110		
16932		FILM-20A-01A		Discussion		DIS	T		09:30A-10:30A		Commun Bldg 117	Staff	
16933		FILM-20A-01B		Discussion		DIS	T		10:45A-11:45A		Commun Bldg 117	Staff	
16934		FILM-20A-01C		Discussion		DIS	T		11:30A-12:30P		Commun Bldg 121	Staff	
16935		FILM-20A-01D		Discussion		DIS	T		12:45P-01:45P		Commun Bldg 121	Staff	
16936		FILM-20A-01E		Discussion		DIS	W		09:30A-10:30A		Commun Bldg 117	Staff	
16937		FILM-20A-01F		Discussion		DIS	W		10:45A-11:45A		Commun Bldg 117	Staff	
16938		FILM-20A-01G		Discussion		DIS	W		12:00P-01:00P		Commun Bldg 117	Staff	
16939		FILM-20A-01H		Discussion		DIS	W		01:15P-02:15P		Commun Bldg 117	Staff	
16940		FILM-20A-01I		Discussion		DIS	W		03:30P-04:30P		Commun Bldg 121	Staff	
16941		FILM-20A-01J		Discussion		DIS	W		04:45P-05:45P		Commun Bldg 121	Staff	
16942		FILM-20A-01K		Discussion		DIS	Th		10:00A-11:00A		Commun Bldg 121	Staff	
16943		FILM-20A-01L		Discussion		DIS	Th		11:15A-12:15P		Commun Bldg 121	Staff	
16944		FILM-20A-01M		Discussion		DIS	Th		12:00P-01:00P		Commun Bldg 117	Staff	
16945		FILM-20A-01N		Discussion		DIS	Th		01:15P-02:15P		Commun Bldg 117	Staff	
16946		FILM-20A-01O		Discussion		DIS	F		12:30P-01:30P		Commun Bldg 117	Staff	
16947		FILM-20A-01P		Discussion		DIS	F		01:45P-02:45P		Commun Bldg 117	Staff	
16955		FILM-120-01		Intro Film Theory	5	W LEC	MW		05:00P-06:45P		Oakes Acad 105	Staff	R
				<i>Enroll in lecture and associated discussion section</i>									
							M		07:00P-10:00P		Oakes Acad 105		
16956		FILM-120-01A		Discussion		DIS	Th		12:45P-01:45P		Commun Bldg 121	Staff	
16957		FILM-120-01B		Discussion		DIS	Th		02:00P-03:00P		Commun Bldg 121	Staff	
16958		FILM-120-01C		Discussion		DIS	Th		03:15P-04:15P		Commun Bldg 121	Staff	
16959		FILM-120-01D		Discussion		DIS	Th		04:30P-05:30P		Commun Bldg 121	Staff	
16960		FILM-120-01E		Discussion		DIS	Th		05:45P-06:45P		Commun Bldg 121	Staff	
16961		FILM-120-01F		Discussion		DIS	Th		07:00P-08:00P		Commun Bldg 121	Staff	
16962		FILM-120-01G		Discussion		DIS	F		10:45A-11:45A		Commun Bldg 121	Staff	
16963		FILM-120-01H		Discussion		DIS	F		12:00P-01:00P		Commun Bldg 121	Staff	
16964		FILM-120-01I		Discussion		DIS	F		01:15P-02:15P		Commun Bldg 121	Staff	
16965		FILM-120-01J		Discussion		DIS	F		02:30P-03:30P		Commun Bldg 121	Staff	
24188		FILM-134A-01		Amer Film: 1930-60	5	LEC	TTh		02:00P-05:00P		Oakes Acad 105	O'Neill,E.R.	R
				<i>Enroll in lecture and associated discussion section</i>									
24189		FILM-134A-01A		Discussion		DIS	W		02:30P-03:30P		Commun Bldg 117	Staff	
24190		FILM-134A-01B		Discussion		DIS	W		03:45P-04:45P		Commun Bldg 117	Staff	
24191		FILM-134A-01C		Discussion		DIS	Th		09:30A-10:30A		Commun Bldg 117	Staff	
24192		FILM-134A-01D		Discussion		DIS	Th		10:45A-11:45A		Commun Bldg 117	Staff	
24193		FILM-134A-01E		Discussion		DIS	F		10:00A-11:00A		Commun Bldg 117	Staff	
24194		FILM-134A-01F		Discussion		DIS	F		11:15A-12:15P		Commun Bldg 117	Staff	
24195		FILM-136B-01		Hist Of Television	5	A LEC	MW		05:00P-06:45P		Commun Bldg 150	Kim,L.S.	R
				<i>Enroll in lecture and associated discussion section</i>									
							T		02:00P-03:00P		Commun Bldg 121	Staff	
24196		FILM-136B-01A		Discussion		DIS	T		03:15P-04:15P		Commun Bldg 121	Staff	
24197		FILM-136B-01B		Discussion		DIS	W		10:30A-11:30A		Commun Bldg 121	Staff	
24198		FILM-136B-01C		Discussion		DIS	W		11:45A-12:45P		Commun Bldg 121	Staff	
24199		FILM-136B-01D		Discussion		DIS	W		12:00P-02:00P		Commun Bldg 113	Lord,C.L.	
16966	Y	FILM-150-01		Screenwriting	5	W SEM	TTh		12:00P-02:00P		Commun Bldg 113	Lord,C.L.	
				<i>See Enrollment Conditions for instructions</i>									
24200		FILM-161-01		Documentary Film&Vid	5	LEC	MW		07:00P-09:40P		Commun Bldg 150	Gustafson,I.	R
24201		FILM-165C-01		Lesbian, Gay, Queer	5	LEC	TTh		07:00P-10:00P		Commun Bldg 150	O'Neill,E.R.	
24203	Y	FILM-170A-01		Digital Media Prod	5	A STU	MW		03:30P-05:30P		Commun Bldg 011	Daniel,S.A.	
				<i>See Enrollment Conditions for instructions</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
16968	Y	FILM-170B-01		Film/Video Productn	5	A	STU	MW	11:00A-01:30P		Commun Bldg 113	Staff	
				<i>See Enrollment Conditions for instructions; enroll in studio and associated secondary studio</i>									
16969		FILM-170B-01A		Secondary Studio			STS	W	01:30P-03:00P		Commun Bldg 140	Staff	
16970	Y	FILM-170B-02		Film/Video Productn	5	A	STU	TTh	12:00P-02:30P		Commun Bldg 130	Vazquez,G.O.	
				<i>See Enrollment Conditions for instructions; enroll in studio and associated secondary studio</i>									
16971		FILM-170B-02A		Secondary Studio			STS	Th	02:30P-04:00P		Commun Bldg 140	Vazquez,G.O.	
24741		FILM-171E-01		Hollywood Structure	5		LEC	F	09:00A-12:30P		Commun Bldg 150	Staff	R
				Hollywood Structure				M	09:00A-10:40A		Commun Bldg 150	Staff	
16972	Y	FILM-172-01		Film & Video Studio	5		STU	TTh	02:15P-04:45P		Commun Bldg 113	Andrews,L.	
				<i>See Enrollment Conditions for instructions; enroll in studio and associated secondary studio</i>									
16973		FILM-172-01A		Secondary Studio			STS	T	04:45P-06:15P		Commun Bldg 140	Andrews,L.	
22703	Y	FILM-178A-01		Pers Comput In F/V	5		STU	TTh	11:00A-01:30P		Commun Bldg 011	Andrews,L.	
				<i>See Enrollment Conditions for instructions</i>									
16976		FILM-194A-01		Film Theory Seminar	5		SEM	MW	01:00P-03:00P		Commun Bldg 121	Staff	R
24205		FILM-194B-01		Elect Media Theory	5	W	SEM	TTh	04:00P-06:00P		Commun Bldg 117	Kim,L.S.	R
French													
17019		FREN-1-01		Instr French Lang	5		LEC	MWF	09:30A-10:40A		Cowell Clrm 131	Eley,A.A.	
17020		FREN-1-02		Instr French Lang	5		LEC	MWF	11:00A-12:10P		Cowell Clrm 131	Eley,A.A.	
17021		FREN-1-03		Instr French Lang	5		LEC	MWF	02:00P-03:10P		Soc Sci I 161	Megharbi,N.	
17022		FREN-2-01		Instr French Lang	5		LEC	MWF	09:30A-10:40A		Merrill Acad 130	Lemansec,H.	R
17023		FREN-2-02		Instr French Lang	5		LEC	MWF	11:00A-12:10P		Steven Acad 151	Lemansec,H.	R
17024		FREN-3-01		Instr French Lang	5		LEC	MWF	03:30P-04:40P		Soc Sci I 161	Megharbi,N.	R
17025		FREN-4-01		Intermed French	5	H	LEC	MWF	09:30A-10:40A		N. Sci Annex 102	Hutchison,G.K.	R
17026		FREN-4-02		Intermed French	5	H	LEC	MWF	11:00A-12:10P		N. Sci Annex 102	Hutchison,G.K.	R
17027		FREN-5-01		Intermediate French	5	H	LEC	MWF	02:00P-03:10P		Crown Clrm 201	Eley,A.A.	R
17028		FREN-6-01		Intermediate French	5	H	LEC	MWF	03:30P-04:40P		Cowell Acad 222	Hutchison,G.K.	R
17029		FREN-13F-01		Oral Fluency/Cultre	2		LEC	M	05:00P-06:45P		Cowell Com 134	Lemansec,H.	R
17045		FREN-111-01		Stylistics	5		LEC	MWF	02:00P-03:10P		Steven Acad 151	Lemansec,H.	R
German													
17059		GERM-1-01		Instr German Lang	5		LEC	MWF	08:00A-09:10A		Soc Sci I 161	Campbell,W.I.	
17060		GERM-1-02		Instr German Lang	5		LEC	MWF	09:30A-10:40A		Soc Sci I 161	Campbell,W.I.	
17061		GERM-1-03		Instr German Lang	5		LEC	MWF	11:00A-12:10P		Soc Sci I 161	Campbell,W.I.	
17062		GERM-4-01		Intermediate German	5	H	LEC	MWF	11:00A-12:10P		Merrill Acad 130	Harris-Frisk,J.	R
Greek													
17080		GREE-1-01		Elem Ancient Greek	5		LEC	MWF	09:30A-10:40A		Kresge Acad 194	Staff	
Hebrew													
17156		HEBR-1-01		Instr Hebrew Lang	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 165	Rossman-Benjamin,T.H.	
17157		HEBR-4-01		Intermediate Hebrew	5	H	LEC	MWF	02:00P-03:10P		Crown Clrm 104	Rossman-Benjamin,T.H.	R
17158		HEBR-80-01		Intro Bible Hebrew	5	4	LEC	MWF	12:30P-01:40P		Crown Clrm 202	Rossman-Benjamin,T.H.	
Hindi													
24389		HNDI-1-01		Elementary Hindi	5		SEM	MWF	12:30P-01:40P		J Baskin Engr 372	Mock,J.	
24390		HNDI-4-01		Intermediate Hindi	5	H	LEC	MWF	11:00A-12:10P		J Baskin Engr 372	Mock,J.	R
History													
22913		HIS-21-01		Classical Myth	5	H	LEC	MWF	02:00P-03:10P		Classroom 002	Gamel,M.	
				<i>Also offered as LIT 61M</i>									
17164		HIS-25A-01		U.S. History To 1877	5	H	LEC	TTh	10:00A-11:45A		J Bask Aud 101	Levine,B.C.	
				<i>Enroll in lecture and associated discussion section</i>									
22744		HIS-25A-01A		Discussion			DIS	T	06:00P-07:10P		Merrill Acad 132	Staff	
22745		HIS-25A-01B		Discussion			DIS	M	08:00A-09:10A		Kresge Acad 194	Staff	
22746		HIS-25A-01C		Discussion			DIS	W	05:00P-06:10P		Crown Clrm 208	Staff	
22747		HIS-25A-01D		Discussion			DIS	F	03:30P-04:40P		Kresge Acad 194	Staff	
17165		HIS-25A-01E		Discussion			DIS	Th	08:00A-09:10A		Earth&Marine B214	Staff	
17166		HIS-25A-01F		Discussion			DIS	M	03:30P-04:40P		Kresge Acad 194	Staff	
24742		HIS-25A-01G		Discussion			DIS	T	02:00P-03:10P		J Baskin Engr 372	Staff	
24743		HIS-25A-01H		Discussion			DIS	W	02:00P-03:10P		Earth&Marine B214	Staff	
24235		HIS-30A-01		Modern Europe Hist	5	H	LEC	MWF	09:30A-10:40A		Oakes Acad 105	Sharp,B.	
				<i>Enroll in lecture and associated discussion section</i>									
24236		HIS-30A-01A		Discussion			DIS	M	12:30P-01:40P		N. Sci Annex 103	Staff	
24237		HIS-30A-01B		Discussion			DIS	T	06:00P-07:10P		Crown Clrm 208	Staff	
24238		HIS-30A-01C		Discussion			DIS	T	07:30P-08:40P		Crown Clrm 208	Staff	
24239		HIS-30A-01D		Discussion			DIS	Th	12:00P-01:10P		Cowell Com 134	Staff	
24240		HIS-31-01		Amazons/Queen/Witch	5		LEC	MWF	02:00P-03:10P		Porter Acad 144	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
24241		HIS-31-01A		Discussion			DIS	T	12:00P-01:10P		Eight Acad 250	Staff	
24242		HIS-31-01B		Discussion			DIS	Th	06:00P-07:10P		Earth&Marine B214	Staff	
24243		HIS-39-01		Film and Holocaust	5	E	LEC	MW	05:00P-06:45P		Thim Lecture 001	Thompson,B.A.	
				<i>Enroll in lecture and associated discussion section</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24244		HIS-39-01A		Discussion		DIS	T		07:30P-08:40P		Merrill Acad 132	Staff	
24245		HIS-39-01B		Discussion		DIS	Th		12:00P-01:10P		Cowell Acad 113	Staff	
24246		HIS-39-01C		Discussion		DIS	W		03:30P-04:40P		Earth&Marine B214	Staff	
24247		HIS-39-01D		Discussion		DIS	W		08:00A-09:10A		Engineer 2 194	Staff	
17171		HIS-40-01		Modern East Asia	5	HE LEC	TTh		04:00P-05:45P		Merrill Acad 102	Marotti,W.A.	
				<i>Enroll in lecture and associated discussion section</i>									
17172		HIS-40-01A		Discussion		DIS	M		11:00A-12:10P		Engineer 2 194	Staff	
17173		HIS-40-01B		Discussion		DIS	W		05:00P-06:10P		Soc Sci 2 179	Staff	
17174		HIS-40-01C		Discussion		DIS	F		08:00A-09:10A		Kresge Acad 194	Staff	
17175		HIS-40-01D		Discussion		DIS	Th		07:30P-08:40P		Merrill Acad 132	Staff	
23061		HIS-55A-01		The World to 1500	5	H LEC	TTh		12:00P-01:45P		Steven Acad 150	Strayer,R.W.	
				<i>Enroll in lecture and associated discussion section</i>									
23062		HIS-55A-01A		Discussion		DIS	T		08:30A-09:40A		Soc Sci 2 179	Staff	
23063		HIS-55A-01B		Discussion		DIS	T		06:00P-07:10P		Cowell Com 134	Staff	
23064		HIS-55A-01C		Discussion		DIS	W		12:30P-01:40P		N. Sci Annex 103	Staff	
23065		HIS-55A-01D		Discussion		DIS	Th		07:30P-08:40P		Cowell Com 134	Staff	
		HIS-99-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
24248		HIS-101-01		Athenian Democracy	5	LEC	TTh		02:00P-03:45P		Steven Acad 175	Hedrick,C.W.	
				<i>Enroll in lecture and associated discussion section</i>									
24249		HIS-101-01A		Discussion		DIS	W		12:30P-01:40P		N. Sci Annex 102	Staff	
24250		HIS-101-01B		Discussion		DIS	F		08:00A-09:10A		Crown Clrm 208	Staff	
24251		HIS-134A-01		Fren:Old Regm&Revlo	5	LEC	TTh		10:00A-11:45A		Merrill Acad 102	Beecher,J.F.	
				<i>Enroll in lecture and associated discussion section</i>									
24252		HIS-134A-01A		Discussion		DIS	M		03:30P-04:40P		Soc Sci 2 179	Staff	
24253		HIS-134A-01B		Discussion		DIS	T		04:00P-05:10P		Eight Acad 250	Staff	
24254		HIS-134A-01C		Discussion		DIS	T		07:30P-08:40P		Oakes Acad 106	Staff	
24255		HIS-134A-01D		Discussion		DIS	F		12:30P-01:40P		N. Sci Annex 103	Staff	
24391		HIS-140A-01		Colonial U.S.-1750	5	LEC	MWF		09:30A-10:40A		Porter Acad 148	Westerkamp,M.J.	
24392		HIS-140A-01A		Discussion		DIS	Th		12:00P-01:10P		Eight Acad 250	Staff	
24393		HIS-140A-01B		Discussion		DIS	F		12:30P-01:40P		N. Sci Annex 102	Staff	
24256		HIS-141A-01		Africa To 1800	5	E LEC	TTh		10:00A-11:45A		Crown Clrm 208	Anthony,D.H.	
24257		HIS-147-01		California History	5	LEC	TTh		02:00P-03:45P		Soc Sci 2 071	Haas,L.	
				<i>Enroll in lecture and associated discussion section</i>									
24258		HIS-147-01A		Discussion		DIS	M		07:00P-08:10P		Porter Acad 144	Staff	
24259		HIS-147-01B		Discussion		DIS	W		03:30P-04:40P		Cowell Clrm 131	Staff	
24090		HIS-151-01		China:10C Bce-6C Ce	5	E LEC	MWF		02:00P-03:10P		Kresge Clrm 321	Connery,C.L.	
				<i>Enroll in lecture and associated discussion section; also offered as LTWL 135</i>									
24260		HIS-151-01A		Discussion		DIS	Th		12:00P-01:10P		J Baskin Engr 372	Staff	
24394		HIS-159C-01		Modern Japan	5	E LEC	TTh		10:00A-11:45A		Steven Acad 175	Marotti,W.A.	
24395		HIS-159C-01A		Discussion		DIS	M		05:00P-06:10P		Cowell Clrm 131	Staff	
24396		HIS-159C-01B		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 2 179	Staff	
24262		HIS-169-01		Rethinking Holocaust	5	E SEM	TTh		02:00P-03:45P		Crown Clrm 208	Thaler,M.M.	
24272		HIS-186-01		Asia Amer 1941-Pres	5	E LEC	TTh		12:00P-01:45P		Steven Acad 175	Yang-Murray,A.S.	
				<i>Enroll in lecture and associated discussion section</i>									
24273		HIS-186-01A		Discussion		DIS	W		03:30P-04:40P		Soc Sci 2 179	Staff	
24274		HIS-186-01B		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 2 179	Staff	
		HIS-192-XXX		Dir Stu Teach	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		HIS-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
17201		HIS-194E-01		Ancient History	5	W SEM	Th		06:00P-09:00P		Crown Clrm 104	Hedrick,C.W.	R
24276		HIS-194W-01		Gender/State China	5	WESEM	TTh		02:00P-03:45P		Crown Clrm 104	Hershatter,G.B.	R
24279		HIS-194Y-01		Eur Intellect Hist	5	W SEM	W		05:00P-08:00P		Merrill Acad 003	Beecher,J.F.	R
		HIS-195A-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		HIS-195B-XXX		Thesis Writing	5	W IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
24709		HIS-196E-01		Amer Myths & Models	5	W SEM	T		06:00P-09:00P		Crown Clrm 104	Haas,L.	R
24283		HIS-1960-01		L.Amer Race&Nation	5	WESEM	MW		05:00P-06:45P		Crown Clrm 104	Diaz,M.E.	R
		HIS-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		HIS-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
17297		HIS-201-01		Methods & Theories	5	SEM	T		06:00P-09:00P		Crown Clrm 201	Cioc,M.	R
24284		HIS-205A-01		Rds Europ Soc&Cultr	5	SEM	M		02:00P-05:00P		Merrill Acad 134	Sharp,B.	R
24285		HIS-208B-01		Readings US History	5	SEM	W		02:00P-05:00P		Merrill Acad 134	Levine,B.C.	R
17298		HIS-290A-01		Teaching Pedagogy	2	SEM	T		09:00A-11:00A		Merrill Acad 134	Yang-Murray,A.S.	R

History of Art and Visual Culture

22712	HAVC-10F-01	Nude In Westrn Trad	5	HA LEC	MWF	12:30P-01:40P	Thim Lecture 003	Hunter,D.M.
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Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
<i>Enroll in lecture and associated discussion section</i>													
22713		HAVC-10F-01A		Discussion		DIS	M		02:00P-03:10P		Porter Acad 248	Staff	
22714		HAVC-10F-01B		Discussion		DIS	M		03:30P-04:40P		Porter Acad 248	Staff	
22715		HAVC-10F-01C		Discussion		DIS	T		10:00A-11:10A		Porter Acad 248	Staff	
22716		HAVC-10F-01D		Discussion		DIS	T		12:00P-01:10P		Porter Acad 248	Staff	
22717		HAVC-10F-01E		Discussion		DIS	W		02:00P-03:10P		Porter Acad 248	Staff	
22718		HAVC-10F-01F		Discussion		DIS	W		03:30P-04:40P		Porter Acad 248	Staff	
22719		HAVC-10F-01G		Discussion		DIS	W		05:00P-06:10P		Porter Acad 248	Staff	
22720		HAVC-10F-01H		Discussion		DIS	W		06:30P-07:40P		Porter Acad 248	Staff	
22721		HAVC-10F-01I		Discussion		DIS	Th		10:00A-11:10A		Porter Acad 248	Staff	
22722		HAVC-10F-01J		Discussion		DIS	Th		12:00P-01:10P		Porter Acad 248	Staff	
24723		HAVC-80A-01		Intro Architecture	5	5A	LEC	TTh	02:00P-03:45P		Soc Sci I 110	Crane,S.R.	
<i>Enroll in lecture and associated discussion section</i>													
24724		HAVC-80A-01A		Discussion		DIS	T		06:00P-07:10P		Porter Acad 248	Staff	
24725		HAVC-80A-01B		Discussion		DIS	Th		06:00P-07:10P		Porter Acad 248	Staff	
24726		HAVC-80A-01C		Discussion		DIS	F		08:00A-09:10A		Porter Acad 248	Staff	
24727		HAVC-80A-01D		Discussion		DIS	F		09:30A-10:40A		Porter Acad 248	Staff	
24208		HAVC-80T-01		Body Art: Oceania	5	5AE	LEC	MWF	09:30A-10:40A		Earth&Marine B206	Kamehiro,S.L.	
<i>Enroll in lecture and associated discussion section</i>													
24209		HAVC-80T-01A		Discussion		DIS	M		11:00A-12:10P		Porter Acad 248	Staff	
24210		HAVC-80T-01B		Discussion		DIS	M		12:30P-01:40P		Porter Acad 248	Staff	
24211		HAVC-80T-01C		Discussion		DIS	M		05:00P-06:10P		Porter Acad 248	Staff	
24212		HAVC-80T-01D		Discussion		DIS	M		06:30P-07:40P		Porter Acad 248	Staff	
24213		HAVC-80T-01E		Discussion		DIS	T		08:30A-09:40A		Porter Acad 248	Staff	
24214		HAVC-80T-01F		Discussion		DIS	W		11:00A-12:10P		Porter Acad 248	Staff	
24215		HAVC-80T-01G		Discussion		DIS	W		12:30P-01:40P		Porter Acad 248	Staff	
24216		HAVC-80T-01H		Discussion		DIS	Th		08:30A-09:40A		Porter Acad 248	Staff	
24217		HAVC-80T-01I		Discussion		DIS	F		11:00A-12:10P		Porter Acad 248	Staff	
24218		HAVC-80T-01J		Discussion		DIS	F		12:30P-01:40P		Porter Acad 248	Staff	
24219		HAVC-80T-01K		Discussion		DIS	F		02:00P-03:10P		Porter Acad 248	Staff	
24220		HAVC-80T-01L		Discussion		DIS	F		03:30P-04:40P		Porter Acad 248	Staff	
24221		HAVC-110A-01		Pre-Hispanic Mexico	5	A	LEC	TTh	12:00P-01:45P		Eight Acad 240	Dean,C.	
22739		HAVC-114-01		Buddhist Visul World	5	A	LEC	TTh	10:00A-11:45A		Eight Acad 240	Birnbaum,R.	R
24786		HAVC-121A-01		Early Chinese Hist	5	A	LEC	TTh	02:00P-03:45P		Porter Acad 246	Hay,J.	
24222		HAVC-149A-01		Hist Of Photography	5	A	LEC	TTh	10:00A-11:45A		Kresge Clrm 321	Staff	
<i>Enroll in lecture and associated discussion section</i>													
24223		HAVC-149A-01A		Discussion		DIS	T		02:00P-03:10P		Porter Acad 248	Staff	
24224		HAVC-149A-01B		Discussion		DIS	T		04:00P-05:10P		Porter Acad 248	Staff	
24225		HAVC-149A-01C		Discussion		DIS	W		08:00A-09:10A		Porter Acad 248	Staff	
24226		HAVC-149A-01D		Discussion		DIS	W		09:30A-10:40A		Porter Acad 248	Staff	
24227		HAVC-149A-01E		Discussion		DIS	Th		02:00P-03:10P		Porter Acad 248	Staff	
24228		HAVC-149A-01F		Discussion		DIS	Th		04:00P-05:10P		Porter Acad 248	Staff	
24229		HAVC-160-01		Storytell Asian Art	5	AE	LEC	MWF	02:00P-03:10P		Earth&Marine B210	Thangavelu,K.	
24230		HAVC-164-01		Medieval & Romanesq	5	A	LEC	TTh	02:00P-03:45P		Earth&Marine B210	Jansen,V.	R
24728		HAVC-174C-01		Memory/Place Arch	5	A	LEC	TTh	06:00P-07:45P		Eight Acad 252	Crane,S.R.	R
24231		HAVC-185B-01		African Art/Gender	5	AE	LEC	TTh	04:00P-05:45P		Earth&Marine B210	Cameron,E.L.	
24232		HAVC-190B-01		Guadalupe Virgin	5	AE	LEC	TTh	04:00P-05:45P		Porter Acad 246	Dean,C.	R
24234		HAVC-1900-01		Art & Cultr:Oceania	5	AE	SEM	MW	05:00P-06:45P		Porter Acad 250	Kamehiro,S.L.	R
24233		HAVC-191F-01		African Play/Ritual	5	AE	SEM	TTh	10:00A-11:45A		Porter Acad 246	Cameron,E.L.	R
24682		HAVC-191R-01		Gothic Arch Beyond	5	A	SEM	TTh	06:00P-07:45P		Porter Acad 246	Jansen,V.	R
History of Consciousness													
17448		HISC-80E-01		Myth And Religion	5	4	LEC	TTh	04:00P-05:45P		Eight Acad 240	DeVries,K.A.	
17449		HISC-80E-01A		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 103	Staff	
17450		HISC-80E-01B		Discussion		DIS	Th		06:00P-07:10P		Oakes Acad 103	Staff	
17451		HISC-80E-01C		Discussion		DIS	W		05:00P-06:10P		Oakes Acad 103	Staff	
24740		HISC-80E-01D		Discussion		DIS	W		06:30P-07:40P		Oakes Acad 103	Staff	
17457	Y	HISC-203-01		Approach To Histcon	5		SEM	Th	09:00A-12:00P		Oakes Acad 109	Tadiar,N.	
24288		HISC-215A-01		Marxist Crit Theory	5		SEM	W	02:00P-05:00P		Oakes Acad 109	Davis,A.Y.	R
24291		HISC-218A-01		Postcolonial Theory	5		SEM	W	09:00A-12:00P		Oakes Acad 109	Tadiar,N.	R
24292		HISC-220A-01		Glbl/Cultrl Process	5		SEM	M	02:00P-05:00P		Oakes Acad 109	Clifford,J.T.	R
24685		HISC-251B-01		Readings Sci Studies	5		SEM	T	09:00A-12:00P		Oakes Acad 109	Haraway,D.J.	R
24686		HISC-259A-01		Kant, Lacan, & Ethics	5		SEM	T	02:00P-05:00P		Oakes Acad 109	Marriott,D.S.	R
Information Systems Management													
17756		ISM-50-01		Business Inf System	5		LEC	TTh	12:00P-01:45P		Engineer 2 192	Ross,K.G.	
23154		ISM-101-01		Mgmt Of Tech Seminr	2		SEM	Th	02:00P-03:45P		J Baskin Engr 156	Desa,S.	
23155		ISM-205-01		Management Tech I	5		LEC	TTh	10:00A-11:45A		J Baskin Engr 156	Desa,S.	R
24429		ISM-206-01		Optimization Theory	5		LEC	TTh	04:00P-05:45P		J Baskin Engr 165	Ross,K.G.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
Italian													
17757		ITAL-1-01		Instr Italian Lang	5		LEC	MWF	11:00A-12:10P		J Baskin Engr 165	Centineo,G.	
17758		ITAL-1-02		Instr Italian Lang	5		LEC	MWF	12:30P-01:40P		Porter Acad 144	Prencipe,M.A.	
17759		ITAL-1-03		Instr Italian Lang	5		LEC	MWF	02:00P-03:10P		Cowell Com 134	Centineo,G.	
17760		ITAL-1-04		Instr Italian Lang	5		LEC	MWF	03:30P-04:40P		Cowell Com 134	Centineo,G.	
17761		ITAL-4-01		Intermed Italian	5	H	LEC	MWF	02:00P-03:10P		Eight Acad 252	Prencipe,M.A.	R
17762		ITAL-4-02		Intermed Italian	5	H	LEC	MWF	03:30P-04:40P		Eight Acad 252	Prencipe,M.A.	R
Japanese													
17786		JAPN-1-01		Japanese Language	5		LEC	MWF	08:00A-09:10A		J Baskin Engr 372	Staff	
17787		JAPN-1-02		Japanese Language	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 372	Staff	
17788		JAPN-1-03		Japanese Language	5		LEC	MWF	02:00P-03:10P		J Baskin Engr 165	Staff	
17789		JAPN-1-04		Japanese Language	5		LEC	MWF	03:30P-04:40P		J Baskin Engr 165	Staff	
17790		JAPN-4-01		Intermed Japanese	5	H	LEC	MWF	12:30P-01:40P		Cowell Clrm 131	Staff	R
17791		JAPN-50-01		Preadvance Japanese	5	H	LEC	MWF	09:30A-10:40A		Crown Clrm 104	Fujita,S.	R
Latin													
18019		LATN-1-01		Elementary Latin	5		LEC	MWF	11:00A-12:10P		Cowell Acad 113	Staff	
18020		LATN-1-02		Elementary Latin	5		LEC	MWF	03:30P-04:40P		Cowell Acad 113	Hamel,G.	
Latin American and Latino Studies													
17889		LALS-1-01		Intro Latin Amer St	5	SE	LEC	TTh	04:00P-05:45P		J Bask Aud 101	Delgado-P,G.	
17890		LALS-1-01A		Discussion			DIS	M	03:30P-04:40P		Soc Sci 2 159	Staff	
17891		LALS-1-01B		Discussion			DIS	T	08:30A-09:40A		Soc Sci 2 159	Staff	
17892		LALS-1-01C		Discussion			DIS	T	08:00P-09:10P		Soc Sci 2 159	Staff	
17893		LALS-1-01D		Discussion			DIS	W	06:30P-07:40P		Soc Sci 1 153	Staff	
17894		LALS-1-01E		Discussion			DIS	W	07:00P-08:10P		Soc Sci 2 159	Staff	
17895		LALS-1-01F		Discussion			DIS	Th	08:30A-09:40A		Soc Sci 1 153	Staff	
23850		LALS-1-01G		Discussion			DIS	Th	12:00P-01:10P		Crown Clrm 203	Staff	
23851		LALS-1-01H		Discussion			DIS	F	12:30P-01:40P		Crown Clrm 203	Staff	
23977		LALS-80A-01		Peoples & Cultures	5	3E	LEC	MWF	12:30P-01:40P		Soc Sci 1 110	Leon,L.	
23976		LALS-80M-01		Mayan History & Lit	5	3E	LEC	TTh	10:00A-11:45A		Soc Sci 1 110	Wilson,G.C.	
17896		LALS-80Q-01		Musica Latina	5	3E	LEC	MW	07:00P-08:45P		Soc Sci 2 075	Landau,G.	
24674		LALS-81A-01		Mexican Folk Dance	2	A	STU	Su	07:00P-10:00P		E Fieldhouse	Najera Ramirez,O.	
				<i>Also offered as ANTH 81A</i>				F	06:00P-08:00P		E Fieldhouse		
								Sa	05:00P-07:00P		E Fieldhouse		
24751		LALS-143J-01		Global Politic Econ	5		LEC	MWF	02:00P-03:10P		Engineer 2 192	Borrego,J.G.	
23978		LALS-146-01		Urban Crisis Amer	5	E	LEC	TTh	12:00P-01:45P		Soc Sci 2 165	Delgado-P,G.	
24722		LALS-166-01		Latino Fam Transittn	5	E	LEC	TTh	04:00P-05:45P		Cowell Com 134	Zavella,P.J.	R
22498		LALS-173-01		Lat Am Immigr To Us	5	E	LEC	TTh	02:00P-03:45P		Porter Acad 148	Jonas,S.L.	
		LALS-190-XXX		Internship	5		IND		**To Be Arranged**			Zavella,P.J.	
				<i>See sponsoring agency for class number</i>									
		LALS-190F-XXX		Internship	2		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		LALS-192-XXX		Directed Stu Teach	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		LALS-193-XXX		Local Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23980		LALS-194G-01		Chile:Soc/Pol Chnge	5	E	SEM	TTh	08:00A-09:45A		Crown Clrm 201	Goldfrank,W.L.	
17924		LALS-194N-01		Las Izquierdas L Am	5	E	SEM	W	05:00P-08:30P		Merrill Acad 132	Jonas,S.L.	
		LALS-195B-XXX		Senior Thesis	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		LALS-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		LALS-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
22499		LALS-200-01		Lat Am/Latino Study	5		SEM	T	02:00P-05:00P		Steven Acad 221	Arredondo,G.F.	R
Legal Studies													
18023		LGST-10-01		Intro Legal Process	5	S	LEC	TTh	12:00P-01:45P		Earth&Marine B206	Frymer,P.	
				<i>Enroll in lecture and associated discussion section</i>									
18024		LGST-10-01A		Discussion			DIS	M	08:00A-09:10A		Porter Acad 148	Staff	
18025		LGST-10-01B		Discussion			DIS	M	12:30P-01:40P		Porter Acad 148	Staff	
18026		LGST-10-01C		Discussion			DIS	W	02:00P-03:10P		Porter Acad 148	Staff	
18027		LGST-10-01D		Discussion			DIS	W	03:30P-04:40P		Porter Acad 148	Staff	
18028		LGST-10-01E		Discussion			DIS	Th	04:00P-05:10P		Cowell Clrm 131	Staff	
18029		LGST-10-01F		Discussion			DIS	Th	06:00P-07:10P		Cowell Clrm 131	Staff	
18030		LGST-10-01G		Discussion			DIS	Th	07:30P-08:40P		Cowell Clrm 131	Staff	
24785		LGST-10-01H		Discussion			DIS	F	08:00A-09:10A		Porter Acad 148	Staff	
23988		LGST-105A-01		Ancient Pol Thought	5		LEC	MWF	09:30A-10:40A		Merrill Acad 102	Mathiowetz,D.P.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 105A</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23989		LGST-105A-01A		Discussion		DIS	M		06:30P-07:40P		Cowell Clrm 131	Staff	
23990		LGST-105A-01B		Discussion		DIS	T		04:00P-05:10P		Cowell Clrm 131	Staff	
23991		LGST-105A-01C		Discussion		DIS	Th		12:00P-01:10P		Soc Sci 2 179	Staff	
23992		LGST-105A-01D		Discussion		DIS	F		02:00P-03:10P		Porter Acad 148	Staff	
23993		LGST-107-01		Morality/Survr/Recov	5	LEC	TTh		02:00P-03:45P		Kresge Clrm 321	Meister,R.L.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 107</i>									
23994		LGST-107-01A		Discussion		DIS	M		08:00A-09:10A		Porter Acad 144	Staff	
23995		LGST-107-01B		Discussion		DIS	M		06:30P-07:40P		Soc Sci 2 179	Staff	
23996		LGST-107-01C		Discussion		DIS	Th		07:30P-08:40P		Soc Sci 2 179	Staff	
23997		LGST-107-01D		Discussion		DIS	F		12:30P-01:40P		Porter Acad 148	Staff	
23998		LGST-120C-01		Capit Amer Pol Dev	5	LEC	MWF		12:30P-01:40P		Thim Lecture 001	Bertram,E.C.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 120C</i>									
23999		LGST-120C-01A		Discussion		DIS	M		08:00A-09:10A		Soc Sci 2 179	Staff	
24000		LGST-120C-01B		Discussion		DIS	M		06:30P-07:40P		Crown Clrm 208	Staff	
24001		LGST-120C-01C		Discussion		DIS	Th		04:00P-05:10P		Soc Sci 2 165	Staff	
24002		LGST-120C-01D		Discussion		DIS	F		03:30P-04:40P		Porter Acad 148	Staff	
23374		LGST-125-01		Civ Libertes/Terror	5	LEC	MWF		02:00P-03:10P		Cowell Clrm 131	Coonerty,R.E.	
				<i>Enroll in lecture and associated discussion section</i>									
24782		LGST-125-01A		Discussion		DIS	W		08:00A-09:10A		Porter Acad 148	Staff	
24783		LGST-125-01B		Discussion		DIS	T		08:00P-09:10P		Soc Sci 2 179	Staff	
24787		LGST-132-01		Ca Water Law/Policy	5	LEC	TTh		02:00P-03:45P		Eight Acad 252	Langridge,R.	
				<i>Also offered as POLI 132</i>									
24781		LGST-154-01		The Legal Profession	5	SEM	TTh		10:00A-11:45A		Cowell Clrm 131	Marr,M.	R
22901		LGST-162-01		Legal Env Business	5	LEC	MW		05:00P-06:45P		Soc Sci 2 075	Bosso,R.E.	R
				<i>Also offered as ECON 162</i>									

Linguistics

24033		LING-20-01		Intr To Linguistics	5	H LEC	MWF		02:00P-03:10P		J Baskin Engr 152	Ito,J.	
24034		LING-20-01A		Discussion		DIS	M		05:00P-06:10P		Cowell Acad 113	Staff	
24035		LING-20-01B		Discussion		DIS	T		10:00A-11:10A		Soc Sci 2 165	Staff	
24036		LING-20-01C		Discussion		DIS	T		04:00P-05:10P		Cowell Acad 113	Staff	
24037		LING-20-01D		Discussion		DIS	T		07:30P-08:40P		Cowell Acad 113	Staff	
24038		LING-20-01E		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 165	Staff	
18057		LING-52-01		Syntax I	5	HWLEC	MWF		09:30A-10:40A		Soc Sci 1 110	Chung,S.	R
18058		LING-52-01A		Discussion		DIS	W		03:30P-04:40P		Soc Sci 2 167	Staff	
18059		LING-52-01B		Discussion		DIS	Th		02:00P-03:10P		Soc Sci 2 167	Staff	
22500		LING-52-01C		Discussion		DIS	Th		04:00P-05:10P		Soc Sci 2 167	Staff	
24752		LING-80V-01		Struc Engl Vocablry	5	4 LEC	MW		05:00P-06:45P		Classroom 001	Staff	
18060		LING-101-01		Phonology I	5	W LEC	MWF		11:00A-12:10P		Kresge Clrm 321	Padgett,J.	R
22501		LING-101-01A		Discussion		DIS	M		06:30P-07:40P		Soc Sci 2 167	Staff	
18061		LING-101-01B		Discussion		DIS	T		08:30A-09:40A		Soc Sci 2 165	Staff	
18062		LING-101-01C		Discussion		DIS			12:00P-01:10P		Soc Sci 2 167	Staff	
23833		LING-101-01D		Discussion		DIS	T		04:00P-05:10P		Soc Sci 2 167	Staff	
		LING-101-01E		Discussion		DIS			06:00P-07:10P		Soc Sci 2 167	Staff	
24040		LING-117-01		Pragmatics	5	SEM	TTh		10:00A-11:45A		Engineer 2 192	Staff	
18127		LING-211-01		Phonology A	5	SEM			**To Be Arranged**		Steven Acad 201	Mester,R.A.	R
18128		LING-219-01		Phonology Seminar	5	SEM			**To Be Arranged**		Steven Acad 201	Mester,R.A.	R
18129		LING-221-01		Syntax A	5	LEC			**To Be Arranged**		Steven Acad 201	Chung,S.	R
18130		LING-231-01		Semantics A	5	LEC			**To Be Arranged**		Steven Acad 201	Farkas,D.F.	R
24755		LING-239-01		Semantics Seminar	5	LEC			**To Be Arranged**		Steven Acad 201	Menendez-Benito	R

Literature

18221		LIT-1-01		Literary Interpret	5	HWLEC	MW		08:00A-09:10A		J Bask Aud 101	Cooppan,V.	R
				<i>Enroll in lecture and associated discussion section</i>									
18222		LIT-1-01A		Discussion		DIS	MW		05:30P-06:40P		Kresge Acad 194	Staff	
18223		LIT-1-01B		Discussion		DIS	MW		07:00P-08:10P		Kresge Acad 194	Staff	
18224		LIT-1-01C		Discussion		DIS	MW		07:00P-08:10P		Steven Acad 151	Staff	
18225		LIT-1-01D		Discussion		DIS	TTh		08:30A-09:30A		Kresge Acad 194	Staff	
18226		LIT-1-01E		Discussion		DIS	TTh		04:00P-05:10P		Steven Acad 151	Staff	
18227		LIT-1-01F		Discussion		DIS	TTh		08:00P-09:10P		Kresge Acad 194	Staff	
24710		LIT-42P-01		SDS:FrenchEroticTexts	5	SEM	MWF		03:30P-04:40P		Kresge Clrm 319	Dimock,C.	
18229		LIT-61M-01		Classical Myth	5	H LEC	MWF		02:00P-03:10P		Classroom 002	Gamel,M.	
				<i>Also offered as HIS 21</i>									
24745		LIT-80A-01		Biblical Narratives	5	4 LEC	MWF		12:30P-01:40P		Krsg Town Hall 466	Sherwin,R.	
18235		LIT-101-01		Theory & Interpretn	5	W LEC	TTh		08:00A-09:45A		J Bask Aud 101	Jackson,E.	R
				<i>Enroll in lecture and associated discussion section</i>									
				Theory & Interpretn			W		07:00P-10:00P		J Bask Aud 101	Staff	
18236		LIT-101-01A		Discussion		DIS	T		06:00P-07:00P		Kresge Clrm 325	Staff	
18237		LIT-101-01B		Discussion		DIS	T		07:30P-08:40P		Kresge Clrm 325	Staff	
18238		LIT-101-01C		Discussion		DIS	W		05:00P-06:10P		Steven Acad 152	Staff	
22503		LIT-101-01D		Discussion		DIS	Th		04:00P-05:10P		Steven Acad 152	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22504		LIT-101-01E		Discussion		DIS	Th		06:00P-07:00P		Steven Acad 152	Staff	
24744		LIT-101-01F		Discussion		DIS	Th		07:30P-08:40P		Steven Acad 152	Staff	
18239		LIT-200-01		Proseminar	5	SEM	M		09:30A-12:30P		Kresge Lib 348	Freccero,C.A.	R
23756		LIT-201-01		Pedagogy of Literat	1	SEM			**To Be Arranged**			Klahn,N.	R
Creative Writing													
18338		LTCR-10-01		Intro Creative Writ	5	A	LEC	MW	07:00P-08:10P		Steven Acad 150	Yamashita,K.T.	R
				<i>Enroll in lecture and associated discussion section</i>									
18339		LTCR-10-01A		Discussion		DIS	TTh		08:00P-09:45P		Steven Acad 151	Staff	
18340		LTCR-10-01B		Discussion		DIS	TTh		12:00P-01:45P		Steven Acad 151	Staff	
18341		LTCR-10-01C		Discussion		DIS	TTh		02:00P-03:45P		Steven Acad 151	Staff	
18342		LTCR-10-01D		Discussion		DIS	TTh		06:00P-07:45P		Steven Acad 151	Staff	
18343	Y	LTCR-52-01		Inter Fiction Writing	5	A	SEM	TTh	12:00P-01:45P		Merrill Acad 002	Lau,D.	
				<i>See Enrollment Conditions for instructions</i>									
18344	Y	LTCR-53-01		Inter Poetry Writing	5	A	SEM	TTh	02:00P-03:45P		Merrill Acad 002	Staff	
				<i>See Enrollment Conditions for instructions</i>									
24051		LTCR-170-01		Methods & Materials	5	A	SEM	TTh	10:00A-11:45A		Cowell Acad 216	Young,G.	R
18345		LTCR-180-01		Adv Writing-Fiction	5	A	SEM	MW	05:00P-06:45P		Merrill Acad 002	Yamashita,K.T.	R
22507		LTCR-183-01		Adv Writing-Poetry	5	A	SEM	TTh	12:00P-01:45P		Soc Sci 2 171	Atkinson,C.O.	R
English-Language Literature													
24052		LTEL-102C-01		US Canon: Beg-1900	5		LEC	TTh	04:00P-05:45P		Kresge Clrm 327	Caballero-Robb,M.E.	
				<i>Enroll in lecture and associated discussion section</i>									
24053		LTEL-102C-01A		Discussion		DIS	W		05:00P-06:10P		Kresge Clrm 323	Staff	
24054		LTEL-102C-01B		Discussion		DIS	Th		06:00P-07:10P		Kresge Clrm 323	Staff	
24749		LTEL-103H-01		20Th C British Lit	5		LEC	MW	07:00P-08:45P		Soc Sci 1 161	Helvie,S.C.	
24055		LTEL-170A-01		Geoffrey Chaucer	5		LEC	TTh	02:00P-03:45P		Steven Acad 152	Leicester,H.M.	
24545		LTEL-170R-01		Bob Dylan	5		LEC	TTh	06:00P-07:45P		Earth&Marine B206	Wilson,R.J.	
				<i>Enroll in lecture and associated discussion section</i>									
24546		LTEL-170R-01A		Discussion		DIS	W		06:30P-07:40P		Kresge Clrm 323	Staff	
24547		LTEL-170R-01B		Discussion		DIS	Th		12:00P-01:10P		Kresge Clrm 323	Staff	
24548		LTEL-170R-01C		Discussion		DIS	Th		08:30A-09:30A		J Baskin Engr 372	Staff	
24549		LTEL-170R-01D		Discussion		DIS	W		08:00A-09:10A		Oakes Acad 102	Staff	
24550		LTEL-170R-01E		Discussion		DIS	Th		10:00A-11:10A		Oakes Acad 102	Staff	
24056		LTEL-190A-01		Individual Authors	5		SEM	TTh	10:00A-11:45A		Kresge Acad 194	Mackey,N.E.	R
24057		LTEL-190B-01		Early Mod Brit Lit	5		SEM	TTh	06:00P-07:45P		Kresge Acad 194	Hendricks,M.J.	R
French Literature													
24058		LTFR-136-01		Intro To Modernity	5		LEC	TTh	04:00P-05:45P		Merrill Acad 002	Terdiman,R.	
German Literature													
24059		LTGE-164-01		Mod German Fiction	5		SEM	MWF	11:00A-12:10P		Cowell Acad 216	Honnef,T.	
Greek Literature													
24060		LTGR-102-01		Greek Poetry	5		SEM	TTh	04:00P-05:45P		Cowell Acad 223	Lynch,J.P.	
Italian Literature													
23931		LTIT-102-01		Intro Italian Lit	5		SEM	MW	05:00P-06:45P		Cowell Acad 223	Shemek,D.	
Latin Literature													
24061		LTIN-103-01		Prose Authors	5		SEM	TTh	02:00P-03:45P		Oakes Acad 101	Branham,R.B.	
Modern Literary Studies													
24062		LTM0-103-01		Construct of Modern	5		LEC	TTh	12:00P-01:45P		Soc Sci 1 110	Terdiman,R.	
				<i>Enroll in lecture and associated discussion section</i>									
24063		LTM0-103-01A		Discussion		DIS	M		05:00P-06:10P		Kresge Clrm 323	Staff	
24064		LTM0-103-01B		Discussion		DIS	M		06:30P-07:40P		Kresge Clrm 323	Staff	
24065		LTM0-125D-01		Cinema & Soc Change	5	E	LEC	MW	05:00P-06:45P		Soc Sci 1 110	Burton-Carvajal,J.	
				Cinema & Soc Change				MW	07:00P-08:45P		Soc Sci 1 110	Staff	
24066		LTM0-144I-01		Jews In Italy	5		LEC	TTh	10:00A-11:45A		Music Center 131	Spagnolo,F.	
24067		LTM0-155A-01		19Th-C Russian Fict	5		LEC	TTh	02:00P-03:45P		Kresge Clrm 327	Nickell,W.S.	
				<i>Enroll in lecture and associated discussion section</i>									
24068		LTM0-155A-01A		Discussion		DIS	T		06:00P-07:10P		Kresge Clrm 323	Staff	
24069		LTM0-155A-01B		Discussion		DIS	T		07:30P-08:40P		Kresge Clrm 323	Staff	
24708		LTM0-190N-01		Topics Modern Lit	5		SEM	MWF	12:30P-01:40P		Kresge Clrm 325	Gaitet,P.	R
24070		LTM0-270-01		Narrative Theory	5		LEC	Th	10:00A-01:00P		Merrill Acad 003	Jordan,J.O.	R
Pre- and Early Modern Literature Literature													
24683		LTPR-104-01		Homer and Sappho	5		LEC	TTh	10:00A-11:45A		Soc Sci 2 075	Lynch,J.P.	
24746		LTPR-140-01		Satire	5		LEC	MWF	03:30P-04:40P		Soc Sci 1 110	Jones,W.R.	
				<i>Enroll in lecture and associated discussion section</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24747		LTPR-140-01A		Discussion		DIS	T		08:00A-09:10A		Oakes Acad 102	Staff	
24748		LTPR-140-01B		Discussion		DIS	W		06:30P-07:40P		Oakes Acad 102	Staff	
24083		LTPR-204-01		Early Modernity	5	SEM	W		09:30A-01:15P		Kresge Lib 348	Godzich,W.B.	R
Spanish/Latin American/Latino Literature													
24527		LTSP-117-01		Spanish-Speak Carib	5	E LEC	TTh		12:00P-01:45P		Eight Acad 242	Martinez-Echazabal,L.	
24788		LTSP-152-01		Golden Age Theater	5	LEC	TTh		02:00P-03:45P		Eight Acad 242	Capron,A.C.	
24702		LTSP-223-01		Spanish Am Colonial	5	SEM	T		02:00P-05:00P		Cowell Acad 222	Klahn,N.	
World Literature and Cultural Studies													
24088		LTWL-135-01		China:10C Bce-6C Ce	5	E LEC	MWF		02:00P-03:10P		Kresge Clrm 321	Connery,C.L.	
				<i>Enroll in lecture and associated discussion section; also offered as HIS 151</i>									
24484		LTWL-135-01A		Discussion		DIS	T		12:00P-01:10P		Kresge Clrm 323	Staff	
24485		LTWL-135-01B		Discussion		DIS	W		05:00P-06:10P		J Baskin Engr 372	Staff	
24486		LTWL-135-01C		Discussion		DIS	Th		07:30P-08:40P		Kresge Clrm 323	Staff	
22525		LTWL-190A-01		Topics in World Lit	5	E SEM	MW		05:00P-06:45P		Steven Acad 151	Wilson,R.J.	R
22526		LTWL-201-01		Theory and Methods	5	SEM	T		10:00A-01:00P		Merrill Acad 003	Cooppan,V.	R
				<i>Secondaries start Wednesday, September 28, 2005</i>									
Mathematics													
18755		MATH-2-01		Col Algebra/Calculus	5	LEC	MWF		03:30P-04:40P		Earth&Marine B206	Migliore,E.T.	R
				<i>Sections will be assigned in the first week of class</i>									
18756		MATH-3-01		Precalculus	5	Q LEC	MWF		02:00P-03:10P		Earth&Marine B206	Staff	R
				<i>Sections will be assigned in the first week of class</i>									
18766		MATH-3-02		Precalculus	5	Q LEC	MWF		03:30P-04:40P		Media Theater M110	Bauerle,F.	R
				<i>Sections will be assigned in the first week of class</i>									
18773		MATH-11A-01		Calculus with Apps	5	NQ LEC	MWF		02:00P-03:10P		J Bask Aud 101	Schonbek,M.	R
				<i>Enroll in lecture and associated secondary lab</i>									
18774		MATH-11A-01A		Secondary Lab		LBS	MW		05:00P-06:50P		Eight Acad 250	Staff	
18775		MATH-11A-01B		Secondary Lab		LBS	MW		07:00P-08:50P		Eight Acad 250	Staff	
18776		MATH-11A-01C		Secondary Lab		LBS	TTh		08:00A-09:50A		Eight Acad 250	Staff	
18777		MATH-11A-01D		Secondary Lab		LBS	TTh		08:00P-09:50P		Engineer 2 194	Staff	
22538		MATH-11A-01E		Secondary Lab		LBS	TTh		06:00P-07:50P		Eight Acad 250	Staff	
18778		MATH-11A-02		Calculus with Apps	5	NQ LEC	MWF		03:30P-04:40P		J Bask Aud 101	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
18779		MATH-11A-02A		Secondary Lab		LBS	MW		05:00P-06:50P		Engineer 2 194	Staff	
18780		MATH-11A-02B		Secondary Lab		LBS	MW		07:00P-08:50P		Engineer 2 194	Staff	
18781		MATH-11A-02C		Secondary Lab		LBS	TTh		08:00A-09:50A		Engineer 2 194	Staff	
18782		MATH-11A-02D		Secondary Lab		LBS	TTh		06:00P-07:50P		Porter Acad 148	Staff	
22539		MATH-11A-02E		Secondary Lab		LBS	TTh		08:00P-09:50P		Porter Acad 148	Staff	
18783		MATH-11B-01		Calculus with Apps	5	NQ LEC	MWF		02:00P-03:10P		Media Theater M110	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
18784		MATH-11B-01A		Secondary Lab		LBS	MW		05:00P-06:50P		N. Sci Annex 102	Staff	
18785		MATH-11B-01B		Secondary Lab		LBS	MW		07:00P-08:50P		N. Sci Annex 102	Staff	
18786		MATH-11B-01C		Secondary Lab		LBS	MW		07:00P-08:50P		Porter Acad 148	Staff	
18787		MATH-11B-01D		Secondary Lab		LBS	TTh		08:00A-09:50A		N. Sci Annex 102	Staff	
22540		MATH-11B-01E		Secondary Lab		LBS	TTh		06:00P-07:50P		N. Sci Annex 102	Staff	
22541		MATH-11B-01F		Secondary Lab		LBS	TTh		08:00P-09:50P		N. Sci Annex 102	Staff	
18788		MATH-19A-01		Calc:Sci,Engin,Math	5	NQ LEC	MWF		02:00P-03:10P		Classroom 001	Bauerle,F.	R
				<i>Enroll in lecture and associated secondary lab</i>									
18789		MATH-19A-01A		Secondary Lab		LBS	MW		12:00P-01:50P		J Baskin Engr 268	Staff	
18790		MATH-19A-01B		Secondary Lab		LBS	MW		05:00P-06:50P		Engineer 2 192	Staff	
18791		MATH-19A-01C		Secondary Lab		LBS	MW		07:00P-08:50P		Engineer 2 192	Staff	
18792		MATH-19A-01D		Secondary Lab		LBS	TTh		08:00A-09:50A		Porter Acad 148	Staff	
18793		MATH-19A-01E		Secondary Lab		LBS	TTh		12:00P-01:50P		J Baskin Engr 268	Staff	
18794		MATH-19A-01F		Secondary Lab		LBS	TTh		08:00P-09:50P		Eight Acad 250	Staff	
18795		MATH-19A-02		Calc:Sci,Engin,Math	5	NQ LEC	MWF		03:30P-04:40P		Steven Acad 150	Staff	R
				<i>Enroll in lecture and associated discussion section</i>									
22542		MATH-19A-02A		Secondary Lab		LBS	MW		05:00P-06:50P		Porter Acad 144	Staff	
18796		MATH-19A-02B		Secondary Lab		LBS	MW		07:00P-08:50P		Kresge Clrm 327	Staff	
24105		MATH-19A-02C		Secondary Lab		LBS	MW		07:00P-08:50P		Earth&Marine B210	Staff	
18797		MATH-19A-02D		Secondary Lab		LBS	TTh		08:00A-09:50A		Cowell Clrm 131	Staff	
18798		MATH-19A-02E		Secondary Lab		LBS	TTh		06:00P-07:50P		Kresge Clrm 327	Staff	
24106		MATH-19A-02F		Secondary Lab		LBS	TTh		08:00P-09:50P		Porter Acad 144	Staff	
18799		MATH-19B-01		Calc:Sci,Engin,Math	5	NQ LEC	MWF		02:00P-03:10P		Thim Lecture 003	Ehrhardt,T.	R
				<i>Enroll in lecture and associated secondary lab</i>									
18800		MATH-19B-01A		Secondary Lab		LBS	MW		08:00A-09:50A		J Baskin Engr 295	Staff	
18801		MATH-19B-01B		Secondary Lab		LBS	MW		12:00P-01:50P		J Baskin Engr 295	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
18802		MATH-19B-01C		Secondary Lab		LBS	MW		05:00P-06:50P		Earth&Marine B210	Staff	
18803		MATH-19B-01D		Secondary Lab		LBS	TTh		06:00P-07:50P		Earth&Marine B210	Staff	
18804		MATH-19B-01E		Secondary Lab		LBS	TTh		12:00P-01:50P		J Baskin Engr 295	Staff	
18805		MATH-19B-01F		Secondary Lab		LBS	TTh		06:00P-07:50P		J Baskin Engr 268	Staff	
18806		MATH-20A-01		Honors Calculus	5	NQ	LEC	MWF	03:30P-04:40P		Porter Acad 144	Mitchell,R.R.	R
23813		MATH-20A-01A		Discussion		DIS	MW		07:00P-08:50P		Cowell Acad 113	Staff	
23884		MATH-20A-01B		Discussion		DIS	TTh		08:00A-09:50A		Cowell Acad 113	Staff	
18807		MATH-21-01		Linear Algebra	5	Q	LEC	MWF	11:00A-12:10P		Kresge Clrm 327	Todorov,A.N.	
18808		MATH-21-01A		Discussion		DIS	M		05:00P-06:10P		Crown Clrm 208	Staff	
18809		MATH-21-01B		Discussion		DIS	T		08:00A-09:10A		Eight Acad 252	Staff	
18810		MATH-22-01		Calc of Several Var	5		LEC	MWF	12:30P-01:40P		Earth&Marine B206	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
18811		MATH-22-01A		Secondary Lab		LBS	MW		08:00A-09:50A		J Baskin Engr 268	Staff	
24107		MATH-22-01B		Secondary Lab		LBS	MW		04:00P-05:50P		J Baskin Engr 268	Staff	
18812		MATH-22-01C		Secondary Lab		LBS	MW		07:00P-08:50P		J Baskin Engr 372	Staff	
18813		MATH-22-01D		Secondary Lab		LBS	TTh		08:00A-09:50A		J Baskin Engr 268	Staff	
24108		MATH-22-01E		Secondary Lab		LBS	TTh		10:00A-11:50A		J Baskin Engr 268	Staff	
18814		MATH-22-01F		Secondary Lab		LBS	TTh		12:00P-01:50P		N. Sci Annex 102	Staff	
18815		MATH-23A-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		Oakes Acad 105	Ginzburg,V.	R
				<i>Enroll in lecture and associated secondary lab</i>									
18816		MATH-23A-01A		Secondary Lab		LBS	MW		10:00A-11:50A		J Baskin Engr 268	Staff	
18817		MATH-23A-01B		Secondary Lab		LBS	MW		02:00P-03:50P		J Baskin Engr 268	Staff	
18818		MATH-23A-01C		Secondary Lab		LBS	MW		06:00P-07:50P		J Baskin Engr 268	Staff	
18819		MATH-23A-01D		Secondary Lab		LBS	TTh		08:00A-09:50A		J Baskin Engr 295	Staff	
18820		MATH-23A-01E		Secondary Lab		LBS	TTh		10:00A-11:50A		J Baskin Engr 295	Staff	
18821		MATH-23A-01F		Secondary Lab		LBS	TTh		02:00P-03:50P		J Baskin Engr 268	Staff	
18822		MATH-23B-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		Steven Acad 150	Mitchell,R.R.	R
				<i>Enroll in lecture and associated secondary lab</i>									
18823		MATH-23B-01A		Secondary Lab		LBS	MW		10:00A-11:50A		J Baskin Engr 295	Staff	
18824		MATH-23B-01B		Secondary Lab		LBS	MW		02:00P-03:50P		J Baskin Engr 295	Staff	
23885		MATH-23B-01C		Secondary Lab		LBS	MW		06:00P-07:50P		J Baskin Engr 295	Staff	
24109		MATH-23B-01D		Secondary Lab		LBS	TTh		06:00P-07:50P		J Baskin Engr 295	Staff	
18825		MATH-30-01		Math Problm Solving	5		LEC	MWF	09:30A-10:40A		N. Sci Annex 103	Cooperstein,B.N.	R
		MATH-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
18829		MATH-100-01		Intr Proof/Prb Solv	5		LEC	MWF	11:00A-12:10P		Oakes Acad 106	Tamanoi,H.	R
18830		MATH-100-01A		Discussion		DIS	M		09:30A-10:40A		Oakes Acad 101	Staff	
18831		MATH-100-01B		Discussion		DIS	Th		12:00P-01:10P		Oakes Acad 101	Staff	
18832		MATH-103-01		Complex Analysis	5		LEC	MWF	09:30A-10:40A		Oakes Acad 106	Schonbek,M.	R
18833		MATH-103-01A		Discussion		DIS	M		12:30P-01:30P		N. Sci Annex 102	Staff	
18834		MATH-103-01B		Discussion		DIS	T		10:00A-11:10A		J Baskin Engr 165	Staff	
18835		MATH-106A-01		Ordinary Diff Equas	5		LEC	TTh	02:00P-03:45P		Thimann Lab 101	Staff	R
18836		MATH-111A-01		Algebra	5		LEC	MWF	12:30P-01:40P		Oakes Acad 106	Dong,C.	R
18837		MATH-111A-01A		Discussion		DIS	M		05:30P-06:40P		Oakes Acad 101	Staff	
18838		MATH-111A-01B		Discussion		DIS	M		12:30P-01:40P		Oakes Acad 101	Staff	
24529		MATH-112-01		Math Prob Theory	5		LEC	TTh	10:00A-11:45A		Thimann Lab 101	Suidan,T.	R
18839		MATH-124-01		Intro To Topology	5		LEC	MWF	02:00P-03:10P		Thimann Lab 101	Tamanoi,H.	R
18840		MATH-128A-01		Classical Geometry	5		LEC	MWF	12:30P-01:40P		Soc Sci I 161	Cooperstein,B.N.	R
24141		MATH-145-01		Intro Chaos	5		LEC	TTh	10:00A-11:45A		Soc Sci I 161	Staff	R
24142		MATH-145L-01		Chaos Theory Lab	1		LAB	T	04:00P-06:00P		J Baskin Engr 109	Staff	
		MATH-188-XXX		Supervised Teaching	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-195-XXX		Senior Thesis	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
22550		MATH-200-01		Algebra I	5		LEC	TTh	12:00P-01:45P		J Baskin Engr 360	Boltje,R.	
24487		MATH-203-01		Algebra IV	5		LEC	TTh	12:00P-01:45P		J Baskin Engr 358	Mason,G.	R
24488		MATH-204-01		Analysis I	5		LEC	TTh	10:00A-11:45A		J Baskin Engr 360	Widom,H.	R
24489		MATH-208-01		Manifolds I	5		LEC	TTh	02:00P-03:45P		J Baskin Engr 360	Montgomery,R.	
24149		MATH-223B-01		Algebraic Geom II	5		LEC	MW	12:00P-01:45P		J Baskin Engr 360	Todorov,A.N.	
22553		MATH-225A-01		Lie Algebras	5		LEC	MW	02:00P-03:00P		J Baskin Engr 360	Dong,C.	
18985		MATH-292-01		Seminar	0		SEM	TTh	04:00P-05:45P		J Baskin Engr 295	Dong,C.	
		MATH-297A-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-298-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-299A-XXX		Thesis Research	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
Music													
24152	Y	MUSC-1A-01		Women's Chorale <i>See Enrollment Conditions for instructions</i>	2	A	STU	MW	12:30P-01:40P		Music Center 114	Paiement,N.A.	
19311	Y	MUSC-1C-01		Concert Choir <i>See Enrollment Conditions for instructions</i>	2	A	STU	MW	05:00P-06:45P		Music Center 131	Staff	
19312	Y	MUSC-2-01		Univ Orchestra <i>See Enrollment Conditions for instructions</i>	2	A	STU	TTh	05:00P-07:00P		Music Center 114	Paiement,N.A.	
19313	Y	MUSC-3-01		Large Jazz Ensemble <i>See Enrollment Conditions for instructions</i>	2	A	STU	W	04:00P-06:00P		Music Center 114	Klevan,R.	
19314	Y	MUSC-4A-01		Lat Am Ensem: Voces <i>See Enrollment Conditions for instructions</i>	2	A	STU	TTh	06:00P-07:30P		Music Center 130	Staff	
19315	Y	MUSC-4B-01		Lat Am Ensem: Voces Lat Am En: Taki Nan <i>See Enrollment Conditions for instructions</i>	2	A	STU	TTh	06:00P-07:30P 07:30P-09:30P		Music Center 131 Music Center 131	Nieves-Miranda,D.I. Nieves-Miranda,D.I.	
				Lat Am En: Taki Nan <i>See Enrollment Conditions for instructions</i>				TTh	07:30P-09:30P		Music Center 130	Staff	
19316	Y	MUSC-5A-01		Beg W Java Gamelan <i>See Enrollment Conditions for instructions</i>	2	A	STU	W	02:00P-04:00P		Gamelan Stu 230B	Sumarna,U.	
19317	Y	MUSC-5A-02		Beg W Java Gamelan <i>See Enrollment Conditions for instructions</i>	2	A	STU	Th	11:30A-01:30P		Gamelan Stu 230B	Sumarna,U.	
19318	Y	MUSC-5B-01		Int W Java Gamelan <i>See Enrollment Conditions for instructions</i>	2	A	STU	W	11:30A-01:30P		Gamelan Stu 230B	Sumarna,U.	
19319	Y	MUSC-5C-01		Adv W Java Gamelan <i>See Enrollment Conditions for instructions</i>	2	A	STU	M	07:00P-09:00P		Gamelan Stu 230B	Sumarna,U.	
19321	Y	MUSC-9-01		Wind Ensemble <i>See Enrollment Conditions for instructions</i>	2	A	STU	MW	06:30P-08:00P		Music Center 114	Klevan,R.	
24530		MUSC-11A-01		Intro Western Music	5	HA	LEC	MWF	11:00A-12:10P		Music Center 101	Treadwell,N.K.	
24531		MUSC-11B-01		Intro to Jazz	5	HAE	LEC	TTh	12:00P-01:45P		Music Center 101	Hester,K.E.	
19323		MUSC-13-01		Beg Theory & Mus I	5		LEC	MWF	09:30A-10:40A		Music Center 128	Staff	R
19324		MUSC-13-01A		Secondary Studio			STS	TTh	09:00A-09:50A		Music Center 130	Staff	
19325		MUSC-13-01B		Secondary Studio			STS	TTh	10:00A-10:50A		Music Center 130	Staff	
19326		MUSC-13-01C		Secondary Studio			STS	TTh	11:00A-11:50A		Music Center 130	Staff	
19327		MUSC-13-01D		Secondary Studio			STS		**To Be Arranged**			Staff	
19328		MUSC-13-02		Beg Theory & Mus I	5		LEC	MWF	11:00A-12:10P		Music Center 128	Sackett,J.	R
19329		MUSC-13-02A		Secondary Studio			STS	TTh	01:00P-01:50P		Music Center 130	Staff	
19330		MUSC-13-02B		Secondary Studio			STS	TTh	02:00P-02:50P		Music Center 130	Staff	
19331		MUSC-13-02C		Secondary Studio			STS	TTh	03:00P-03:50P		Music Center 130	Staff	
19332		MUSC-13-02D		Secondary Studio			STS		**To Be Arranged**			Staff	
19333	Y	MUSC-30A-01		Theor, Lit, Music I	5		LEC	MW	09:30A-10:40A		Music Center 131	Leikin,A.	
								MWF	11:00A-12:10P		Music Center 136	Ezerova,M.V.	
19334	Y	MUSC-30A-02		Theor, Lit, Music I <i>See Enrollment Conditions for instructions. Concurrent enrollment in MUSC 30L01 is required</i>	5		LEC	MW	09:30A-10:40A		Music Center 131	Leikin,A.	
								MWF	12:30P-01:40P		Music Center 136	Ezerova,M.V.	
23786	Y	MUSC-30A-03		Theor, Lit, Music I <i>See Enrollment Conditions for instructions. Concurrent enrollment in MUSC 30L02 is required</i>	5		LEC	MW	09:30A-10:40A		Music Center 131	Leikin,A.	
								MWF	11:00A-12:10P		Music Center 130		
19335	Y	MUSC-30L-01		Theory,Lit,Music I <i>See Enrollment Conditions for instructions. Concurrent enrollment in MUSC 30L03 is required.</i>	2		LAB		**To Be Arranged**			Leikin,A.	
19336		MUSC-30L-01A		Secondary Lab <i>Concurrent enrollment in MUSC 30A01 is required</i>			LBS		**To Be Arranged**			Staff	
19337		MUSC-30L-01B		Secondary Lab			LBS		**To Be Arranged**			Staff	
19338		MUSC-30L-01C		Secondary Lab			LBS		**To Be Arranged**			Staff	
19339		MUSC-30L-01D		Secondary Lab			LBS		**To Be Arranged**			Staff	
19340		MUSC-30L-01E		Secondary Lab			LBS		**To Be Arranged**			Staff	
19344	Y	MUSC-30L-02		Theory,Lit,Music I <i>Concurrent enrollment in MUSC 30A02 is required.</i>	2		LAB		**To Be Arranged**			Leikin,A.	
19345		MUSC-30L-02A		Secondary Lab			LBS		**To Be Arranged**			Staff	
19346		MUSC-30L-02B		Secondary Lab			LBS		**To Be Arranged**			Staff	
19347		MUSC-30L-02C		Secondary Lab			LBS		**To Be Arranged**			Staff	
19348		MUSC-30L-02D		Secondary Lab			LBS		**To Be Arranged**			Staff	
19349		MUSC-30L-02E		Secondary Lab			LBS		**To Be Arranged**			Staff	
23787	Y	MUSC-30L-03		Theory,Lit,Music I <i>Concurrent enrollment in MUSC 30A03 is required.</i>	2		LAB		**To Be Arranged**			Leikin,A.	
23788	Y	MUSC-30L-03A		Secondary Lab			LBS		**To Be Arranged**			Staff	
23789	Y	MUSC-30L-03B		Secondary Lab			LBS		**To Be Arranged**			Staff	
23790	Y	MUSC-30L-03C		Secondary Lab			LBS		**To Be Arranged**			Staff	
23791	Y	MUSC-30L-03D		Secondary Lab			LBS		**To Be Arranged**			Staff	
23792	Y	MUSC-30L-03E		Secondary Lab			LBS		**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19353	Y	MUSC-51-01		Vocal Repertoire Class <i>See Enrollment Conditions for instructions.</i>	2	A	STU	TTh	02:00P-03:00P		Music Center 131	Staufenbiel,B.J.	
19354	Y	MUSC-51-02		Vocal Repertoire Class <i>See Enrollment Conditions for instructions.</i>	2	A	STU	TTh	03:00P-04:00P		Music Center 131	Maginnis,P.	
24163	Y	MUSC-54-01		N.Indian Music Wrk <i>See Enrollment Conditions for instructions.</i>	2	A	STU	Th	02:00P-04:30P		Music Center 114	Neuman,D.A.	
19355	Y	MUSC-60-01		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2		STU	TTh	08:45A-09:45A		Music Center 134	Arulanantham,E.L.	
19356	Y	MUSC-60-02		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2		STU	TTh	09:45A-10:45A		Music Center 134	Arulanantham,E.L.	
19357	Y	MUSC-60-03		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2		STU	TTh	10:45A-11:45A		Music Center 134	Arulanantham,E.L.	
19358	Y	MUSC-60-04		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2		STU	TTh	11:45A-12:45P		Music Center 134	Arulanantham,E.L.	
		MUSC-61-XXX		Inv Lsson Half Hour <i>See sponsoring agency for class number</i>	2		STI		**To Be Arranged**			Staff	
		MUSC-62-XXX		Inv Lesson One Hour <i>See sponsoring agency for class number</i>	3		STI		**To Be Arranged**			Staff	
		MUSC-63-XXX		Grp Instrum & Vocal <i>See sponsoring agency for class number</i>	2		STI		**To Be Arranged**			Staff	
19419		MUSC-80C-01		Hist Electronic Mus	5	6A	LEC	TTh	02:00P-03:45P		Music Center 101	Bassermann,G.	
24766		MUSC-80U-01		Verdi in Synagogue	5	4AE	LEC	TTh	10:00A-11:45A		Music Center 131	Spagnolo,F.	
24171		MUSC-80X-01		Music Of India	5	4AE	LEC	TTh	10:00A-11:45A		Music Center 101	Neuman,D.A.	
		MUSC-94-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		MUSC-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		MUSC-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2		IND		**To Be Arranged**			Staff	
19442		MUSC-100A-01		Theory,Lit,Music II	5		LEC	MWF	09:30A-10:40A		Music Center 138	Carson,B.L.	R
19443		MUSC-100A-01A		Secondary Studio			STS		**To Be Arranged**			Staff	
19444		MUSC-100A-01B		Secondary Studio			STS		**To Be Arranged**			Staff	
19445		MUSC-100A-01C		Secondary Studio			STS		**To Be Arranged**			Staff	
19446		MUSC-100A-02		Theory,Lit,Music II	5		LEC	MWF	11:00A-12:10P		Music Center 138	Nauert,P.	R
19447		MUSC-100A-02A		Secondary Studio			STS		**To Be Arranged**			Staff	
19448		MUSC-100A-02B		Secondary Studio			STS		**To Be Arranged**			Staff	
19449		MUSC-100A-02C		Secondary Studio			STS		**To Be Arranged**			Staff	
19450		MUSC-101C-01		Hist West Art Music	5		LEC	MWF	12:30P-01:40P		Music Center 131	Beal,A.C.	R
24756	Y	MUSC-102-01		University Orchestra	2		STU	TTh	05:00P-07:00P		Music Center 114	Paiement,N.A.	
24711		MUSC-111B-01		Sem: Jazz Analysis	5		SEM	TTh	02:00P-03:45P		Music Center 128	Hester,K.E.	R
19451		MUSC-125-01		Adv Elec Sound Synt	5		STU	TTh	02:00P-03:45P		Music Center 191A	Elsa,P.Q.	R
19452		MUSC-130-01		Orchestration	5		LEC	TTh	10:00A-11:45A		Music Center 136	Kim,H.K.	R
19453	Y	MUSC-159A-01		Opera Workshop <i>See Enrollment Conditions for instructions.</i>	2	A	STU	TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
19454	Y	MUSC-159B-01		Opera Workshop <i>See Enrollment Conditions for instructions.</i>	3	A	STU	TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
		MUSC-161-XXX		Inv Lesson One Hour <i>See sponsoring agency for class number</i>	3		STI		**To Be Arranged**			Staff	
		MUSC-162-XXX		Adv Inv Lsson One H <i>See sponsoring agency for class number</i>	5		STI		**To Be Arranged**			Staff	
19509	Y	MUSC-164-01		Jazz Ensembles <i>See Enrollment Conditions for instructions.</i>	2		STU	W	02:00P-04:00P		Music Center 114	Poplin,S.E.	
		MUSC-165-XXX		Chamber Music Wkshp <i>See sponsoring agency for class number</i>	2		STI		**To Be Arranged**			Staff	
19536	Y	MUSC-166-01		Chamber Singers <i>See Enrollment Conditions for instructions.</i>	2	A	STU	MWF	02:00P-04:00P		Music Center 131	Paiement,N.A.	
19537		MUSC-167-01		Wksp Electron Music	2		STU		**To Be Arranged**		Music Center 191A	Elsa,P.Q.	R
		MUSC-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		MUSC-195A-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		MUSC-195B-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		MUSC-196A-XXX		Sen Rec W/O Lessons <i>See sponsoring agency for class number</i>	5		STI		**To Be Arranged**			Staff	
		MUSC-196B-XXX		Sen Rec W/Lessons <i>See sponsoring agency for class number</i>	5		STI		**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		MUSC-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		MUSC-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
19626		MUSC-200-01		Intro Res Methods	5	SEM	M		04:00P-07:00P		Music Center 130	Miller,L.E.	
24173		MUSC-203G-01		Issu/Prac Ethnmusic	5	SEM	W		04:00P-07:00P		Music Center 130	Schechter,J.M.	
24684		MUSC-219A-01		Technique/Composition	2	SEM			**To Be Arranged**			Kim,H.K.	R
24678		MUSC-224-01		CognitveApproachMusic <i>Also offered as DANM 224</i>	5	SEM			**To Be Arranged**			Carson,B.L.	R
		MUSC-261-XXX		Grad Applied Instru <i>See sponsoring agency for class number</i>	3	STI			**To Be Arranged**			Staff	
		MUSC-265-XXX		Grad Ensem Particip <i>See sponsoring agency for class number</i>	2	STI			**To Be Arranged**			Staff	
		MUSC-295-XXX		Directed Reading <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		MUSC-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		MUSC-298-XXX		Graduate Recital <i>See sponsoring agency for class number</i>	5	STI			**To Be Arranged**			Staff	
		MUSC-299-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

Ocean Sciences

19890		OCEA-1-01		The Oceans <i>Enroll in lecture and associated discussion section.</i>	5	NQ LEC		MWF	03:30P-04:40P		Classroom 001	Staff	
19891		OCEA-1-01A		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19892		OCEA-1-01B		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19893		OCEA-1-01C		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19894		OCEA-1-01D		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19895		OCEA-1-01E		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19896		OCEA-1-01F		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19897		OCEA-1-01G		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19898		OCEA-1-01H		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19899		OCEA-1-01I		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19900		OCEA-80A-01		Life In The Sea <i>Enroll in lecture and associated discussion section.</i>	5	2 LEC		MWF	11:00A-12:10P		Earth&Marine B206	Silver,M.E.	
19901		OCEA-80A-01A		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19902		OCEA-80A-01B		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19903		OCEA-80A-01C		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19904		OCEA-80A-01D		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19905		OCEA-80A-01E		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19906		OCEA-80A-01F		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19907		OCEA-80A-01G		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19908		OCEA-80A-01H		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19909		OCEA-80A-01I		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19910		OCEA-80A-01J		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19911		OCEA-80A-01K		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19912		OCEA-80A-01L		Discussion		DIS			**To Be Arranged**		Earth&Marine D266	Staff	
19915		OCEA-200-01		Physcl Oceanography	5	LEC		TTh	02:00P-03:45P		Porter Acad 250	Edwards,C.A.	
24174		OCEA-200-01A		Discussion		DIS		M	02:00P-03:10P		J Baskin Engr 169	Staff	
19916		OCEA-280-01		Marine Geology <i>Taught in conjunction with EART 102</i>	5	LEC		TTh	10:00A-11:45A		Earth&Marine D226	Delaney,M.L.	R
19917		OCEA-280-01A		Discussion		DIS		F	09:30A-10:40A		Earth&Marine D226	Delaney,M.L.	
24767		OCEA-285-01		Past Climate Change	5	LEC		MWF	12:30P-01:40P		Crown Clrm 104	Ravelo,A.C.	
19918		OCEA-292-01		Seminar	0	SEM		W	03:30P-05:00P		Earth&Marine A340	Staff	
19919		OCEA-296-01		Teaching Ocean Sci	2	LEC		W	09:30A-10:40A			Edwards,C.A.	R
		OCEA-297A-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		OCEA-297B-XXX		Independent Study <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**			Staff	
		OCEA-297C-XXX		Independent Study <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**			Staff	
		OCEA-299A-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		OCEA-299B-XXX		Thesis Research <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**			Staff	
		OCEA-299C-XXX		Thesis Research <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**			Staff	

Philosophy

24668		PHIL-9-01		Intro To Logic	5	HQ	LEC	MWF	11:00A-12:10P		Oakes Acad 105	Staff	
24758		PHIL-9-01A		Discussion			DIS	M	07:00P-08:10P		Cowell Acad 223	Staff	
24759		PHIL-9-01B		Discussion			DIS	T	08:30A-09:40A		Cowell Acad 216	Staff	
24760		PHIL-9-01C		Discussion			DIS	Th	07:30P-08:40P		Cowell Acad 223	Staff	
24761		PHIL-9-01D		Discussion			DIS	F	08:00A-09:10A		Cowell Acad 216	Staff	
24762		PHIL-9-01E		Discussion			DIS	Th	12:00P-01:10P		Cowell Acad 216	Staff	
24763		PHIL-9-01F		Discussion			DIS	Th	10:00A-11:10A		Soc Sci 2 363	Staff	
24764		PHIL-9-01G		Discussion			DIS	Th	06:00P-07:10P		Soc Sci 2 363	Staff	
24765		PHIL-9-01H		Discussion			DIS	F	08:00A-09:10A		Oakes Acad 103	Staff	
20055		PHIL-11-01		Intro To Philosophy	5	H	LEC	TTh	10:00A-11:45A		Thim Lecture 003	Neu,J.	
20056		PHIL-11-01A		Discussion			DIS	Th	12:30P-01:40P		Soc Sci 1 153	Staff	
20057		PHIL-11-01B		Discussion			DIS	Th	02:00P-03:10P		Soc Sci 1 153	Staff	
20058		PHIL-11-01C		Discussion			DIS	Th	06:00P-07:10P		Soc Sci 1 153	Staff	
20059		PHIL-11-01D		Discussion			DIS	Th	06:00P-07:00P		Soc Sci 2 141	Staff	
20060		PHIL-11-01E		Discussion			DIS	Th	07:30P-08:40P		Soc Sci 2 141	Staff	
20061		PHIL-11-01F		Discussion			DIS	F	08:00A-09:10A		Cowell Acad 223	Staff	
20062		PHIL-11-01G		Discussion			DIS	F	02:00P-03:10P		Cowell Acad 223	Staff	
20063		PHIL-11-01H		Discussion			DIS	F	03:30P-04:30P		Cowell Acad 223	Staff	
24177		PHIL-22-01		Ethical Theory	5	H	LEC	TTh	08:00A-09:45A		Steven Acad 150	Tannenbaum,J.A.	
24178		PHIL-22-01A		Discussion			DIS	M	03:30P-04:40P		Cowell Acad 216	Staff	
24179		PHIL-22-01B		Discussion			DIS	M	05:00P-06:10P		Cowell Acad 216	Staff	
24180		PHIL-22-01C		Discussion			DIS	M	06:30P-07:40P		Cowell Acad 216	Staff	
24181		PHIL-22-01D		Discussion			DIS	W	07:00P-08:10P		Cowell Acad 223	Staff	
24182		PHIL-22-01E		Discussion			DIS	Th	10:00A-11:10A		Cowell Acad 223	Staff	
24183		PHIL-22-01F		Discussion			DIS	W	08:00A-09:10A		Cowell Acad 216	Staff	
24184		PHIL-22-01G		Discussion			DIS	Th	06:00P-07:10P		Cowell Acad 216	Staff	
24185		PHIL-22-01H		Discussion			DIS	Th	07:30P-08:40P		Cowell Acad 216	Staff	
20069		PHIL-91-01		Ancient Greek Phil	5		LEC	MW	05:00P-06:45P		Steven Acad 150	Staff	
20070		PHIL-91-01A		Discussion			DIS	T	02:00P-03:10P		Soc Sci 2 165	Staff	
20071		PHIL-91-01B		Discussion			DIS	Th	08:30A-09:40A		Soc Sci 2 165	Staff	
22560		PHIL-91-01C		Discussion			DIS	Th	02:00P-03:10P		Soc Sci 2 165	Staff	
22561		PHIL-91-01D		Discussion			DIS	F	08:00A-09:10A		Soc Sci 2 165	Staff	
		PHIL-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
24669		PHIL-111-01		Continentl Philsphy	5		LEC	TTh	02:00P-03:45P		Cowell Acad 113	Godzich,W.B.	R
20087		PHIL-121-01		Knowledge&Rationlty	5		LEC	TTh	12:00P-01:45P		Crown Clrm 208	Ellis,J.E.	
22563		PHIL-133-01		Philosophy Of Mind	5		LEC	TTh	06:00P-07:45P		Engineer 2 192	Ellis,J.E.	R
23355		PHIL-180H-01		Philos Colloquia	2		LEC		**To Be Arranged**			Staff	R
24670		PHIL-190S-01		Phil Of Science	5		SEM	TTh	12:00P-01:45P		Cowell Acad 223	Staff	R
24202		PHIL-190Z-01		Moral Psychology	5		SEM	W	04:00P-07:00P		Cowell Acad 216	Tannenbaum,J.A.	R
		PHIL-195A-XXX		Senior Essay	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-195B-XXX		Senior Essay	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
20179		PHIL-201-01		First Qtrr Seminar	5		SEM		**To Be Arranged**			Staff	R
22995		PHIL-236-01		On Insults	5		SEM	T	03:00P-06:00P		Steven Acad 230	Neu,J.	R
		PHIL-294-XXX		Teach Related Ind	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-295-XXX		Directed Reading	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-297-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-299-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

Physical Education

20265	Y	PHYE-5A-01		Swimming Level I (non-swimmers)	0	STU	TTh		01:00P-02:00P		50 Mtr Pool	Kimball,J.H.	
20266	Y	PHYE-5A-02		Swimming Level I	0	STU	MW		10:00A-11:00A		50 Mtr Pool	Kimball,J.H.	
20267	Y	PHYE-5B-01		Swimming Level II	0	STU	MW		09:00A-10:00A		50 Mtr Pool	Kimball,J.H.	
20268	Y	PHYE-5C-01		Aquat:Swim Levl III	0	STU	MW		10:00A-11:00A		50 Mtr Pool	McCallum,J.R.	
20269	Y	PHYE-5E-01		Lifeguard Training	0	STU	TTh		09:30A-12:00P		50 Mtr Pool	Musch,K.I.	
20270	Y	PHYE-5G-01		Swim Conditioning	0	STU	MW		11:00A-12:00P		50 Mtr Pool	Musch,K.I.	
20271	Y	PHYE-5G-02		Swim Conditioning	0	STU	MW		09:00A-10:00A		50 Mtr Pool	McCallum,J.R.	
20272	Y	PHYE-5R-01		Basic Scuba Diving	0	STU	T		07:00P-09:30P		Cowell Clrm 131	Shin,C.J.	
				<i>Class meeting for 5R is in Cowell 131; if pool lab meets first, go to the lab of your choice</i>					09:30A-12:00P		50 Mtr Pool		
									To Be Arranged		Ocean		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
20273	Y	PHYE-5R-02		Basic Scuba Diving <i>Class meeting for 5R is in Cowell 131; if pool lab meets first, go to the lab of your choice</i>	0	STU	T	Th	07:00P-09:30P 04:30P-07:00P **To Be Arranged**		Cowell Clrm 131 50 Mtr Pool Ocean	Shin,C.J. Mackenzie,A.R.	
20274	Y	PHYE-5T-01		Advan Scuba Diving <i>First two weeks only; remainder of class TBA (Ocean, weekends)</i>	0	STU	F		04:00P-08:00P		50 Mtr Pool	Shin,C.J.	
20275	Y	PHYE-5U-01		Scuba instruction <i>First meeting only; remainder of class TBA (50M Pool, Ocean).</i>	0	STU	Su		07:00P-09:00P		Martial Arts	Shin,C.J.	
20276	Y	PHYE-5U-01E		Scuba Rescue Diving	0	STU	T		04:00P-06:00P		OPERS Conference 211E	Shin,C.J.	
20277	Y	PHYE-5U-01N		Scuba Divemaster	0	STU	W		04:00P-06:00P		OPERS Conference 211E	Shin,C.J.	
20278		PHYE-9B-01		Basic Sailing <i>First meeting of 9B held at East Field House, main entrance to Admin Building.</i>	0	STU	M		12:30P-03:00P		Harbor	Vandenberg,P.C.	
20279		PHYE-9B-02		Basic Sailing <i>Participants Must Be Able To Swim. Please Attend First Meeting Even If Teleslug Indicates Class Is Full.</i>	0	STU	T		09:30A-12:00P		Harbor	Vandenberg,P.C.	
20280		PHYE-9B-03		Basic Sailing	0	STU	W	Th	09:30A-12:00P		Harbor	Vandenberg,P.C.	
20281		PHYE-9B-04		Basic Sailing	0	STU	Th		09:30A-12:00P		Harbor	Vandenberg,P.C.	
20282		PHYE-9B-05		Basic Sailing	0	STU	F		09:30A-12:00P		Harbor	Kingon,R.L.	
20283		PHYE-9B-06		Basic Sailing	0	STU	F		12:30P-03:00P		Harbor	Kingon,R.L.	
20284		PHYE-9C-01		Inter Sail Dinghy <i>First meeting of 9C held at East Field House, main entrance to Admin Building. Please attend first meeting even if Teleslug says that class is full.</i>	0	STU	T		01:00P-03:30P		Harbor	Kingon,R.L.	R
20285		PHYE-9C-02		Inter Sail Dinghy	0	STU	W		12:30P-03:00P		Harbor	Kingon,R.L.	R
20286		PHYE-9C-03		Inter Sail Keel	0	STU	T		12:30P-03:00P		Harbor	Vandenberg,P.C.	R
20287		PHYE-9E-01		Competitive Sailing	0	STU	WF		03:00P-04:30P		Harbor	Vandenberg,P.C.	
20288		PHYE-9H-01		Intermed Rowing <i>All 9H and 9J sections meet for 6 weeks only; first class meeting at East Field main entrance to Administration Building all Rowing participants must be able to swim. Please show up at the first class even if Teleslug shows class is full.</i>	0	STU	MW		08:20A-10:00A		Harbor	Kingon,R.L.	
20289		PHYE-9J-01		Basic Rowing	0	STU	MW		10:00A-11:40A		Harbor	Kingon,R.L.	
20290		PHYE-9J-02		Basic Rowing	0	STU	TTh		07:40A-09:20A		Harbor	Kingon,R.L.	
20291		PHYE-9J-03		Basic Rowing	0	STU	TTh		09:20A-11:00A		Harbor	Kingon,R.L.	
20292		PHYE-9J-04		Basic Rowing	0	STU	TTh		11:00A-12:40P		Harbor	Kingon,R.L.	
20293		PHYE-15B-01		Beginning Basketball	0	STU	MW		12:30P-01:30P		West Gym	Johnson,G.D.	
20294		PHYE-15B-02		Basketball Conditioning	0	STU			**To Be Arranged**		West Gym	Johnson,G.D.	
20295		PHYE-15H-01		Racquetball	0	STU	Th		06:00P-08:00P		E Racquet Ct	George,C.C.	
20296		PHYE-15N-01		Beginning Tennis	0	STU	MW		09:00A-10:00A		E Tennis Ct	Muldawer,D.A.	
20297		PHYE-15N-02		Beginning Tennis	0	STU	TTh		10:00A-11:00A		E Tennis Ct	Muldawer,D.A.	
20298		PHYE-15N-03		Intermediate Tennis	0	STU	MW		10:00A-11:00A		E Tennis Ct	Muldawer,D.A.	
20299		PHYE-15N-04		Intermediate Tennis	0	STU	TTh		09:00A-10:00A		E Tennis Ct	Muldawer,D.A.	
20300	Y	PHYE-15N-05		Advanced Tennis	0	STU	MW		11:00A-12:00P		E Tennis Ct	Muldawer,D.A.	
20301	Y	PHYE-15N-06		Competitive Tennis-Women	0	STU			**To Be Arranged**		E Tennis Ct	Muldawer,D.A.	
20302		PHYE-15T-02		Int/Adv Volleyball	0	STU	TTh		12:30P-02:00P		West Gym	Teitelbaum,S.B.	
20303		PHYE-20A-01		Ballet I	0	STU	TTh		10:15A-11:45A		Dance Studio	Cochlin,R.V.	
20304		PHYE-20A-02		Continuing Ballet I	0	STU	MW		09:00A-10:30A		Dance Studio	Norris,L.K.	
20305		PHYE-20A-03		Ballet II	0	STU	MW		10:30A-12:00P		Dance Studio	Norris,L.K.	
20306		PHYE-20A-04		Ballet III	0	STU	TTh		01:00P-02:30P		Dance Studio	Norris,L.K.	
20307		PHYE-20B-01		Folk Dance Internatl	0	STU	TTh		12:00P-01:00P		Dance Studio	Cochlin,R.V.	
20308		PHYE-20C-01		Jazz Dance I	0	STU	TTh		06:00P-07:30P		Dance Studio	Buck,R.F.	
20309		PHYE-20C-02		Jazz Dance I	0	STU	TTh		02:30P-04:00P		Dance Studio	Norris,L.K.	
20310		PHYE-20C-03		Jazz Dance II	0	STU	MW		12:30P-02:00P		Dance Studio	Norris,L.K.	
20311		PHYE-20C-04		Jazz Dance III	0	STU	F		11:45A-01:45P		Dance Studio	Norris,L.K.	
20312		PHYE-20D-01		Modern Dance I	0	STU	TTh		04:15P-05:45P		Dance Studio	Buck,R.F.	
20313		PHYE-20D-02		Modern Dance I	0	STU	MW		03:30P-05:00P		Dance Studio	Buck,R.F.	
20314		PHYE-20D-03		Modern Dance II	0	STU	MW		02:00P-03:30P		Dance Studio	Cochlin,R.V.	
20315		PHYE-20D-04		Modern Dance III	0	STU	TTh		08:45A-10:15A		Dance Studio	Cochlin,R.V.	
20316	Y	PHYE-20F-01		Indiv Study Dance <i>See Theater Arts for additional Dance courses</i>	0	STU			**To Be Arranged**		TBA	Cochlin,R.V.	
20317		PHYE-25A-01		Fencing: Epee	0	STU	TTh		10:00A-11:00A		East Gym	Blackburn,C.A.	
20318		PHYE-25B-01		Fencing: Foil	0	STU	MW		02:00P-03:00P		East Gym	Blackburn,C.A.	
20319		PHYE-25C-01		Fencing: Sabre	0	STU	TTh		02:00P-03:00P		East Gym	Blackburn,C.A.	
20320		PHYE-28J-01		Rugby Football	0	STU	TTh		01:00P-02:30P		East Remote Field	Staff	
20321		PHYE-28K-01		Beg/Int Soccer	0	STU	TTh		04:00P-05:30P		East Remote Field	Holocher,P.A.	
20322		PHYE-30G-01		Cardio Boxing	0	STU	MW		09:00A-10:15A		OPERS Multi Purpose	Nutt,P.A.	
20323		PHYE-30G-02		Aerobics	0	STU	MW		01:30P-02:45P		OPERS Multi Purpose	Chinn,T.D.	
20324		PHYE-30G-03		Cardio Boxing	0	STU	TTh		09:00A-10:15A		OPERS Multi Purpose	Nutt,P.A.	
20325		PHYE-30G-04		Total Body Condition	0	STU	MW		12:15P-01:15P		OPERS Multi Purpose	Chinn,T.D.	
20326		PHYE-30H-01		Tai Chi Chuan	0	STU	TTh		03:10P-04:40P		OPERS Multi Purpose	Blackburn,C.A.	
20327		PHYE-30H-02		Tai Chi Chuan	0	STU	MW		03:10P-04:40P		OPERS Multi Purpose	Blackburn,C.A.	
20328		PHYE-30J-01		Begin Weight Training-Wmn	0	STU	MW		01:00P-02:00P		Fitness/Wellness	Mori,C.A.	
20329		PHYE-30J-02		Begin Weight Training	0	STU	TTh		11:00A-12:00P		Fitness/Wellness	Mori,C.A.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
20330		PHYE-30J-03		Begin Weight Training	0	STU	MW		02:00P-03:00P		Fitness/Wellness	Andrews,R.	
20331		PHYE-30J-04		Begin Weight Training	0	STU	MW		09:30A-10:30A		Fitness/Wellness	Lewis,D.R.	
20332		PHYE-30J-05		Inter Weight Training	0	STU	TTh		10:00A-11:00A		Fitness/Wellness	Lewis,D.R.	
23099		PHYE-30J-06		Athletic Conditioning	0	STU	TTh		01:00P-02:00P		Fitness/Wellness	Andrews,R.	
20333		PHYE-30J-07		Cardio Weight Training	0	STU	MW		03:00P-04:15P		Fitness/Wellness	Chinn,T.D.	
20334		PHYE-30J-08		Cardio Weight Training	0	STU	MW		10:30A-12:00P		Fitness/Wellness	Mori,C.A.	
20335		PHYE-30L-01		Beginning Yoga	0	STU	WF		10:00A-11:30A		PE Activity Rm	Cochlin,R.V.	
20336		PHYE-30L-03		Beginning Yoga	0	STU	MW		11:30A-01:00P		Martial Arts	Kimball,J.H.	
20337		PHYE-30L-04		Beginning Yoga	0	STU	TTh		10:15A-11:45A		Martial Arts	Kimball,J.H.	
20338		PHYE-30L-05		Cont Beginning Yoga	0	STU	MW		01:00P-02:30P		Martial Arts	Kimball,J.H.	
20339		PHYE-30L-06		Cont Beginning Yoga	0	STU	TTh		08:30A-10:00A		Martial Arts	Kimball,J.H.	
20340		PHYE-43A-01		Begin Tae Kwon Do	0	STU	MW		08:30A-10:00A		Martial Arts	Shibata,Y.	
20341		PHYE-43A-02		Beg/Inter Aikido	0	STU	TTh		01:15P-02:45P		Martial Arts	Shibata,Y.	
20342		PHYE-43A-03		Int/Adv Aikido	0	STU	TTh		03:00P-04:30P		Martial Arts	Shibata,Y.	
<i>Sections 43A 03-04 are for students who have had some Aikido training.</i>													
20343		PHYE-43A-04		Int/Adv Aikido	0	STU	MW		10:15A-11:15A		Martial Arts	Shibata,Y.	
20344		PHYE-43G-01		Begin Tae Kwon Do	0	STU	MW		11:00A-12:30P		West Gym	Song,S.	
20345		PHYE-43G-02		Int/Adv Tae Kwon Do	0	STU	MW		09:30A-11:00A		West Gym	Song,S.	

Physics

20346		PHYS-5A-01		Intro Physics I	5	NQ	LEC	MWF	11:00A-12:10P		Thim Lecture 003	Primack,J.R.	R
<i>Concurrent enrollment in PHYS 5L is required.</i>													
20347		PHYS-5A-01A		Discussion			DIS	M	05:00P-06:30P		ISB 231	Staff	
20348		PHYS-5A-01B		Discussion			DIS	W	05:00P-06:30P		ISB 231	Staff	
20349		PHYS-5D-01		Heat,Thermo&Kinetic	2		LEC	T	02:00P-03:45P		Thim Lecture 003	Deutsch,J.	R
20350		PHYS-5L-01		Intro Phys I Lab	1		LAB	M	12:30P-03:30P		Thimann Lab 127	Staff	R
<i>Concurrent enrollment in PHYS 5A is required.</i>													
20351		PHYS-5L-02		Intro Phys I Lab	1		LAB	M	07:00P-10:00P		Thimann Lab 127	Staff	R
20352		PHYS-5L-03		Intro Phys I Lab	1		LAB	T	03:30P-06:30P		Thimann Lab 127	Staff	R
20353		PHYS-5L-04		Intro Phys I Lab	1		LAB	T	07:00P-10:00P		Thimann Lab 127	Staff	R
20354		PHYS-5L-05		Intro Phys I Lab	1		LAB	W	12:30P-03:30P		Thimann Lab 127	Staff	R
20355		PHYS-5L-06		Intro Phys I Lab	1		LAB	W	07:00P-10:00P		Thimann Lab 127	Staff	R
23799		PHYS-5L-07		Intro Phys I Lab	1		LAB	Th	12:00P-03:00P		Thimann Lab 127	Staff	R
23825		PHYS-5L-08		Intro Phys I Lab	1		LAB	Th	07:00P-10:00P		Thimann Lab 127	Staff	R
20356		PHYS-6A-01		Intro Physics I	5	NQ	LEC	MWF	08:00A-09:10A		Thim Lecture 003	Kuttner,F.H.	R
<i>Concurrent enrollment in PHYS 6L is required.</i>													
20357		PHYS-6A-01A		Discussion			DIS	T	04:00P-05:30P		ISB 231	Staff	
20358		PHYS-6A-01B		Discussion			DIS	W	05:00P-06:30P		Thimann Lab 101	Staff	
20359		PHYS-6C-01		Intro Phys III	5	NQ	LEC	MWF	03:30P-04:40P		Thim Lecture 003	Johnson,R.P.	R
<i>Concurrent enrollment in PHYS 6N is required.</i>													
20360		PHYS-6C-01A		Discussion			DIS	T	04:00P-05:30P		ISB 235	Staff	
20361		PHYS-6C-01B		Discussion			DIS	Th	06:00P-07:30P		ISB 235	Staff	
20362		PHYS-6L-01		Intro Phys I Lab	1		LAB	M	02:00P-05:00P		Thimann Lab 115	Staff	R
<i>Concurrent enrollment in PHYS 6A is required.</i>													
20363		PHYS-6L-02		Intro Phys I Lab	1		LAB	M	07:00P-10:00P		Thimann Lab 115	Staff	R
20364		PHYS-6L-03		Intro Phys I Lab	1		LAB	T	08:30A-11:30A		Thimann Lab 115	Staff	R
20365		PHYS-6L-04		Intro Phys I Lab	1		LAB	T	12:00P-03:00P		Thimann Lab 115	Staff	R
20366		PHYS-6L-05		Intro Phys I Lab	1		LAB	T	07:00P-10:00P		Thimann Lab 115	Staff	R
20367		PHYS-6L-06		Intro Phys I Lab	1		LAB	W	02:00P-05:00P		Thimann Lab 115	Staff	R
20368		PHYS-6L-07		Intro Phys I Lab	1		LAB	W	07:00P-10:00P		Thimann Lab 115	Staff	R
20369		PHYS-6L-08		Intro Phys I Lab	1		LAB	Th	08:30A-11:30A		Thimann Lab 115	Staff	R
20370		PHYS-6L-09		Intro Phys I Lab	1		LAB	Th	12:00P-03:00P		Thimann Lab 115	Staff	R
20371		PHYS-6L-10		Intro Phys I Lab	1		LAB	Th	07:00P-10:00P		Thimann Lab 115	Staff	R
20375		PHYS-6N-01		Intro Phys III Lab	1		LAB	M	07:00P-10:00P		Thimann Lab 121	Staff	R
<i>Concurrent enrollment in PHYS 6C is required.</i>													
20376		PHYS-6N-02		Intro Phys III Lab	1		LAB	T	10:00A-01:00P		Thimann Lab 121	Staff	R
20377		PHYS-6N-03		Intro Phys III Lab	1		LAB	T	07:00P-10:00P		Thimann Lab 121	Staff	R
20378		PHYS-6N-04		Intro Phys III Lab	1		LAB	W	07:00P-10:00P		Thimann Lab 121	Staff	R
23386		PHYS-6N-05		Intro Phys III Lab	1		LAB	Th	10:00A-01:00P		Thimann Lab 121	Staff	R
20379		PHYS-10-01		Overview Of Physics	2		LEC	T	04:00P-05:45P		Thim Lecture 001	Deutsch,J.	
24206		PHYS-80A-01		Psychophisic Music	5	2Q	LEC	TTh	12:00P-01:45P		Thim Lecture 001	Mathews,W.G.	
20383		PHYS-101A-01		Intro Modern Phys I	5		LEC	MWF	02:00P-03:10P		N. Sci Annex 101	Schumm,B.A.	R
20384		PHYS-101A-01A		Discussion			DIS	Th	06:00P-07:30P		ISB 231	Staff	
20385		PHYS-105-01		Mechanics	5		LEC	TTh	02:00P-03:45P		Earth&Marine B214	Dine,M.	R
20386		PHYS-105-01A		Discussion			DIS	T	06:00P-07:30P		ISB 231	Staff	
24207		PHYS-107-01		Fluid Dynamics	5		LEC	TTh	08:00A-09:45A		ISB 231	Glatzmaier,G.A.	R
<i>Taught in conjunction with PHYS 227.</i>													
20387		PHYS-116C-01		Math Method Physics	5		LEC	MWF	11:00A-12:10P		Earth&Marine B210	Young,A.P.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
20388		PHYS-116C-01A		Discussion		DIS	W		07:00P-08:30P		ISB 231	Young,A.P.	
24733		PHYS-134-01		Physics Adv Lab	5	LAB			**To Be Arranged**		Nat Sci 2 110	Carter,S.A.	R
				<i>Enroll in lab and associated secondary lab</i>									
24734		PHYS-134-01A		Secondary Lab		LBS	MW		02:00P-06:00P		Nat Sci 2 110	Staff	
24735		PHYS-134-01B		Secondary Lab		LBS	TTh		02:00P-06:00P		Nat Sci 2 110	Staff	
23022		PHYS-135A-01		Astrophys Adv Lab	3	LAB	Th		12:00P-01:45P		Nat Sci 2 110	Dewey,R.J.	R
				<i>Enroll in lab and associated secondary lab; some evenings required for night-time observing; also offered as ASTR 135A.</i>									
24490		PHYS-135A-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
20390		PHYS-139B-01		Quantum Mechanics	5	LEC	MWF		12:30P-01:40P		ISB 235	Schlesinger,Z.	R
20391		PHYS-171-01		Genl Relativity	5	LEC	TTh		10:00A-11:45A		ISB 231	Aguirre,A.N.	R
				<i>Also offered as ASTR 171.</i>									
20392		PHYS-195A-01		Sr Thesis Research	3	SEM	T		12:00P-01:45P		ISB 235	Heusch,C.A.	
20465		PHYS-210-01		Classical Mechanics	5	LEC	MWF		12:30P-01:40P		ISB 231	Belanger,D.P.	R
20466		PHYS-212-01		Electromagnetism I	5	LEC	MWF		09:30A-10:40A		ISB 231	Narayan,O.	R
20467		PHYS-217-01		Quant Fld Theory I	5	LEC	TTh		02:00P-03:45P		ISB 231	Haber,H.E.	R
20468		PHYS-221A-01		Int Particle Phys I	5	LEC	MW		11:00A-12:45P		ISB 356	Seiden,A.	R
24692		PHYS-227-01		Fluid Dynamics	5	LEC	TTh		08:00A-09:45A		ISB 231	Glatzmaier,G.A.	R
20469		PHYS-231-01		Intro Condes Matter	5	LEC	TTh		12:00P-01:45P		ISB 231	Shastry,B.S.	R
20470		PHYS-291A-01		Cosmology	2	SEM	T		12:00P-01:00P		TBA	Primack,J.R.	R
20471		PHYS-291C-01		Particle Physics	2	SEM	W		12:00P-01:00P		TBA	Dine,M.	R
20472		PHYS-292-01		Seminar	0	SEM	Th		04:00P-05:45P		Thim Lecture 001	Belanger,D.P.	R
Politics													
22573		POLI-4-01		Citizenship & Action	5	S LEC	TTh		10:00A-11:45A		Media Theater M110	Mathiowetz,D.P.	
				<i>Enroll in lecture and associated discussion section</i>									
22574		POLI-4-01A		Discussion		DIS	W		08:00A-09:10A		Porter Acad 144	Staff	
22575		POLI-4-01B		Discussion		DIS	F		03:30P-04:40P		Soc Sci 2 179	Staff	
22576		POLI-4-01C		Discussion		DIS	W		07:00P-08:10P		Porter Acad 144	Staff	
22577		POLI-4-01D		Discussion		DIS	Th		04:00P-05:10P		Porter Acad 144	Staff	
22578		POLI-4-01E		Discussion		DIS	Th		06:00P-07:10P		Porter Acad 144	Staff	
24768		POLI-4-01F		Discussion		DIS	F		08:00A-09:10A		Porter Acad 144	Staff	
24271		POLI-5-01		Political Freedom	5	S LEC	TTh		04:00P-05:45P		Thim Lecture 003	Schoenman,R.	
				<i>Enroll in lecture and associated discussion section</i>									
24769		POLI-5-01A		Discussion		DIS	M		03:30P-04:40P		Cowell Clrm 131	Staff	
24770		POLI-5-01B		Discussion		DIS	W		05:00P-06:10P		Cowell Clrm 131	Staff	
24771		POLI-5-01C		Discussion		DIS	W		06:30P-07:40P		Cowell Clrm 131	Staff	
24772		POLI-5-01D		Discussion		DIS	F		03:30P-04:40P		Cowell Clrm 131	Staff	
20658		POLI-100-01		Core Seminar Polit	5	W SEM	TTh		04:00P-05:45P		Cowell Acad 216	Urban,M.E.	R
20659		POLI-100-02		Core Seminar Polit	5	W SEM	TTh		10:00A-11:45A		Crown Clrm 201	Clear,A.M.	R
24008		POLI-105A-01		Ancient Pol Thought	5	LEC	MWF		09:30A-10:40A		Merrill Acad 102	Mathiowetz,D.P.	R
				<i>Enroll in lecture and associated discussion section; also offered as LGST 105A</i>									
24009		POLI-105A-01A		Discussion		DIS	M		06:30P-07:40P		Cowell Clrm 131	Staff	
24010		POLI-105A-01B		Discussion		DIS	T		04:00P-05:10P		Cowell Clrm 131	Staff	
24011		POLI-105A-01C		Discussion		DIS	Th		12:00P-01:10P		Soc Sci 2 179	Staff	
24012		POLI-105A-01D		Discussion		DIS	F		02:00P-03:10P		Porter Acad 148	Staff	
24013		POLI-107-01		Morality/Survr/Recov	5	LEC	TTh		02:00P-03:45P		Kresge Clrm 321	Meister,R.L.	R
				<i>Enroll in lecture and associated discussion section; also offered as LGST 107</i>									
24014		POLI-107-01A		Discussion		DIS	M		08:00A-09:10A		Porter Acad 144	Staff	
24015		POLI-107-01B		Discussion		DIS	M		06:30P-07:40P		Soc Sci 2 179	Staff	
24016		POLI-107-01C		Discussion		DIS	Th		07:30P-08:40P		Soc Sci 2 179	Staff	
24017		POLI-107-01D		Discussion		DIS	F		12:30P-01:40P		Porter Acad 148	Staff	
24773		POLI-109-01		Orientalism	5	LEC	TTh		08:00A-09:45A		Crown Clrm 208	Staff	R
24342		POLI-112-01		Women and the Law	5	LEC	TTh		02:00P-03:45P		Merrill Acad 102	Dent,G.	R
				<i>Also offered as WMST 112; mandatory sections to be assigned first week of class</i>									
24018		POLI-120C-01		Capit Amer Pol Dev	5	LEC	MWF		12:30P-01:40P		Thim Lecture 001	Bertram,E.C.	R
				<i>Enroll in lecture and associated discussion section; also offered as LGST 120C</i>									
24019		POLI-120C-01A		Discussion		DIS	M		08:00A-09:10A		Soc Sci 2 179	Staff	
24020		POLI-120C-01B		Discussion		DIS	M		06:30P-07:40P		Crown Clrm 208	Staff	
24021		POLI-120C-01C		Discussion		DIS	Th		04:00P-05:10P		Soc Sci 2 165	Staff	
24022		POLI-120C-01D		Discussion		DIS	F		03:30P-04:40P		Porter Acad 148	Staff	
24779		POLI-132-01		Ca Water Law/Policy	5	LEC	TTh		02:00P-03:45P		Eight Acad 252	Langridge,R.	
				<i>Also offered as LGST 132</i>									
24774		POLI-140A-01		Indstrlized Society	5	LEC	TTh		06:00P-07:45P		Oakes Acad 105	Pasotti,E.	R
				<i>Enroll in lecture and associated discussion section.</i>									
24775		POLI-140A-01A		Discussion		DIS	M		08:00A-09:10A		Engineer 2 194	Staff	
24776		POLI-140A-01B		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 179	Staff	
24777		POLI-140A-01C		Discussion		DIS	Th		10:00A-11:10A		Earth&Marine B210	Staff	
24778		POLI-140A-01D		Discussion		DIS	Th		12:00P-01:10P		Oakes Acad 102	Staff	
24282		POLI-160B-01		Global Organization	5	LEC	TTh		04:00P-05:45P		Kresge Clrm 321	Clear,A.M.	R
				<i>Enroll in lecture and associated discussion section.</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24286		POLI-160B-01A		Discussion		DIS	F		03:30P-04:40P		Earth&Marine B 214	Staff	
24287		POLI-160B-01B		Discussion		DIS	T		08:00P-09:10P		Earth&Marine B 214	Staff	
24289		POLI-160B-01C		Discussion		DIS	W		08:00A-09:10A		Crown Clrm 208	Staff	
24290		POLI-160B-01D		Discussion		DIS	W		05:00P-06:10P		Soc Sci 1 149	Staff	
20669		POLI-176-01		Intl Political Econ	5	LEC	TTh		12:00P-01:45P		Earth&Marine B214	Schoenman,R.	R
24387		POLI-190X-01		Global Civil Society	5	SEM	TTh		12:00P-01:45P		Soc Sci 1 149	Lipschutz,R.D.	R
24294		POLI-200C-01		State & Poli Instit	5	SEM	M		02:00P-05:00P		Crown Clrm 235	Wirls,D.J.	R
24784		POLI-205-01		Politic/SocialThought	5	SEM	W		10:00A-01:00P		Steven Acad 230	Meister,R.L.	R

Portuguese

20843		PORT-1A-01		Elmentry Portuguese	5	LEC	MWF		12:30P-01:40P		Merrill Acad 130	Seara,A.M.	
20844		PORT-60A-01		Beg-Intr Portuguese	5	LEC	MWF		02:00P-03:10P		Merrill Acad 132	Seara,A.M.	R
20845		PORT-65B-01		Intermed Portuguese	5	H LEC	MWF		03:30P-04:40P		Crown Clrm 201	Seara,A.M.	R

Psychology

20899		PSYC-1-01		Intro Psychology	5	S LEC	TTh		12:00P-01:45P		Media Theater M110	Byrne,C.C. Callanan,M. Kawamoto,A.H.	
<i>Enroll in lecture and associated discussion section.</i>													
20900		PSYC-1-01A		Discussion		DIS	T		06:00P-07:10P		Soc Sci 2 141	Staff	
20901		PSYC-1-01B		Discussion		DIS	T		07:30P-08:40P		Soc Sci 2 141	Staff	
20902		PSYC-1-01C		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 141	Staff	
20903		PSYC-1-01D		Discussion		DIS	W		03:30P-04:40P		Soc Sci 2 141	Staff	
20904		PSYC-1-01E		Discussion		DIS	W		05:00P-06:10P		Soc Sci 2 141	Staff	
20905		PSYC-1-01F		Discussion		DIS	W		06:30P-07:40P		Soc Sci 2 141	Staff	
20906		PSYC-1-01G		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 2 141	Staff	
20907		PSYC-1-01H		Discussion		DIS	T		04:00P-05:10P		Oakes Acad 103	Staff	
20908		PSYC-1-01I		Discussion		DIS	W		08:00A-09:10A		Oakes Acad 103	Staff	
20909		PSYC-1-01J		Discussion		DIS	T		04:00P-05:10P		Soc Sci 1 153	Staff	
20910		PSYC-1-01K		Discussion		DIS	T		06:00P-07:10P		Soc Sci 1 153	Staff	
20911		PSYC-1-01L		Discussion		DIS	W		03:30P-04:40P		Soc Sci 1 153	Staff	
20912		PSYC-1-01M		Discussion		DIS	W		05:00P-06:10P		Soc Sci 1 153	Staff	
22619		PSYC-2-01		Intro Psys Stats	5	Q LEC	MWF		11:00A-12:10P		Merrill Acad 102	Staff	R
<i>Enroll in lecture and associated discussion section.</i>													
22620		PSYC-2-01A		Discussion		DIS	T		08:30A-09:40A		Steven Acad 151	Staff	
22621		PSYC-2-01B		Discussion		DIS	T		04:00P-05:10P		Merrill Acad 132	Staff	
22622		PSYC-2-01C		Discussion		DIS	Th		06:00P-07:10P		Merrill Acad 132	Staff	
22623		PSYC-2-01D		Discussion		DIS	F		08:00A-09:10A		Merrill Acad 132	Staff	
20913		PSYC-3-01		Research Methods	7	LEC	MWF		02:00P-03:10P		Oakes Acad 105	Crosby,F.J.	R
<i>Enroll in lecture and associated discussion section.</i>													
20914		PSYC-3-01A		Discussion		DIS	M		04:00P-06:00P		Soc Sci 2 104	Staff	
20915		PSYC-3-01B		Discussion		DIS	M		06:00P-08:00P		Soc Sci 2 104	Staff	
20916		PSYC-3-01C		Discussion		DIS	T		08:00A-10:00A		Soc Sci 2 104	Staff	
20917		PSYC-3-01D		Discussion		DIS	T		10:00A-12:00P		Soc Sci 2 104	Staff	
20918		PSYC-3-01E		Discussion		DIS	T		12:00P-02:00P		Soc Sci 2 104	Staff	
20919		PSYC-3-01F		Discussion		DIS	T		02:00P-04:00P		Soc Sci 2 104	Staff	
20920		PSYC-3-01G		Discussion		DIS	T		04:00P-06:00P		Soc Sci 2 104	Staff	
20921		PSYC-3-01H		Discussion		DIS	T		06:00P-08:00P		Soc Sci 2 104	Staff	
20922		PSYC-3-01I		Discussion		DIS	W		08:00A-10:00A		Soc Sci 2 104	Staff	
20923		PSYC-3-01J		Discussion		DIS	W		10:00A-12:00P		Soc Sci 2 104	Staff	
24729		PSYC-3-01K		Discussion		DIS	M		08:00P-10:00P		Soc Sci 2 104	Staff	
24730		PSYC-3-01L		Discussion		DIS	T		08:00P-10:00P		Soc Sci 2 104	Staff	
20924		PSYC-10-01		Intro Develop Psych	5	LEC	MWF		12:30P-01:40P		Merrill Acad 102	Korobov,N.	R
<i>Enroll in lecture and associated discussion section.</i>													
20925		PSYC-10-01A		Discussion		DIS	T		08:30A-09:40A		Eight Acad 242	Staff	
20926		PSYC-10-01B		Discussion		DIS	F		03:30P-04:40P		Eight Acad 242	Staff	
20927		PSYC-10-01C		Discussion		DIS	M		07:00P-08:10P		Kresge Clrm 325	Staff	
20928		PSYC-10-01D		Discussion		DIS	T		02:00P-03:10P		Oakes Acad 102	Staff	
20929		PSYC-40-01		Intro Social Psych	5	LEC	MW		07:00P-08:45P		Merrill Acad 102	Staff	R
20930		PSYC-40-01A		Discussion		DIS	T		02:00P-03:10P		Oakes Acad 222	Staff	
20931		PSYC-40-01B		Discussion		DIS	T		08:00P-09:10P		Eight Acad 242	Staff	
20932		PSYC-40-01C		Discussion		DIS	W		08:00A-09:10A		Eight Acad 242	Staff	
20933		PSYC-40-01D		Discussion		DIS	F		08:00A-09:10A		Eight Acad 242	Staff	
24295		PSYC-60-01		Personality Psych	5	LEC	TTh		04:00P-05:45P		Steven Acad 150	Harrington,D.M.	R
24296		PSYC-60-01A		Discussion		DIS	W		03:30P-04:40P		Kresge Acad 194	Staff	
24297		PSYC-60-01B		Discussion		DIS	Th		08:30A-09:40A		Eight Acad 242	Staff	
24298		PSYC-60-01C		Discussion		DIS	T		07:30P-08:40P		Oakes Acad 102	Staff	
24299		PSYC-60-01D		Discussion		DIS	W		07:00P-08:10P		Eight Acad 242	Staff	
20934		PSYC-80A-01		Psych and Religion	5	3 LEC	TTh		02:00P-03:45P		Media Theater M110	Quinn,R.H.	
20935		PSYC-80A-01A		Discussion		DIS	M		07:00P-08:10P		Oakes Acad 106	Staff	
20936		PSYC-80A-01B		Discussion		DIS	T		08:30A-09:40A		Oakes Acad 106	Staff	
20937		PSYC-80A-01C		Discussion		DIS	T		12:00P-01:10P		Eight Acad 252	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22633		PSYC-80A-01D		Discussion		DIS	Th		08:00A-09:10A		Eight Acad 252	Staff	
20938		PSYC-80A-01E		Discussion		DIS	F		08:00A-09:10A		Oakes Acad 106	Staff	
22634		PSYC-80A-01F		Discussion		DIS	M		05:00P-06:10P		Eight Acad 252	Staff	
20939		PSYC-80A-01G		Discussion		DIS	T		08:00P-09:10P		Cowell Com 134	Staff	
20940		PSYC-80A-01H		Discussion		DIS	W		05:00P-06:10P		Eight Acad 252	Staff	
20941		PSYC-80A-01I		Discussion		DIS	Th		12:00P-01:10P		Eight Acad 252	Staff	
20942		PSYC-80A-01J		Discussion		DIS	Th		06:00P-07:10P		Cowell Com 134	Staff	
24300		PSYC-103-01		Language Developmnt	5	SEM	MWF		12:30P-01:40P		J Baskin Engr 165	Akhtar,N.N.	R
24301		PSYC-107-01		Develop in Infancy	5	LEC	TTh		10:00A-11:45A		Earth&Marine B214	Wang,S.	R
22644		PSYC-109-01		Adult Devel & Aging	5	LEC	TTh		04:00P-05:45P		Soc Sci 2 075	Martyrna,W.	R
22645		PSYC-109-01A		Discussion		DIS	M		07:00P-08:10P		Cowell Com 134	Staff	
22646		PSYC-109-01B		Discussion		DIS	W		08:00A-09:10A		Cowell Com 134	Staff	
20943		PSYC-117-01		Children's Thinking	5	LEC	MWF		02:00P-03:10P		Soc Sci 2 071	Staff	R
20944		PSYC-117-01A		Discussion		DIS	T		04:00P-05:10P		Oakes Acad 106	Staff	
20945		PSYC-117-01B		Discussion		DIS	Th		08:30A-09:40A		Cowell Com 134	Staff	
24302		PSYC-120D-01		Deafness/Sign Lang	5	SEM	MWF		12:30P-01:40P		Earth&Marine B214	Wilson,M.L.	R
24400		PSYC-120E-01		Consciousness	5	SEM	TTh		04:00P-05:45P		Soc Sci 1 161	Gibbs,R.W.	R
20946		PSYC-124-01		Psych of Reading	5	LEC	TTh		02:00P-03:45P		Cowell Com 134	Kawamoto,A.H.	R
24303		PSYC-125-01		Psych of Language	5	W LEC	TTh		10:00A-11:45A		Steven Acad 150	Fox Tree,J.E.	R
24304		PSYC-125-01A		Discussion		DIS	M		07:00P-08:10P		Merrill Acad 132	Staff	
24305		PSYC-125-01B		Discussion		DIS	W		08:00A-09:10A		Kresge Acad 194	Staff	
24306		PSYC-125-01C		Discussion		DIS	F		03:30P-04:40P		Steven Acad 151	Staff	
24307		PSYC-125-01D		Discussion		DIS	T		08:30A-09:40A		Merrill Acad 132	Staff	
22974		PSYC-130-01		Visual/Spatial Cogn	5	LEC	MWF		11:00A-12:10P		Porter Acad 144	Staff	R
22975		PSYC-130-01A		Discussion		DIS	M		08:00A-09:10A		Eight Acad 242	Staff	
22976		PSYC-130-01B		Discussion		DIS	T		06:00P-07:10P		Eight Acad 242	Staff	
24731		PSYC-140A-01		Women's Lives Pract	2	FLD			**To Be Arranged**			Bullock,H.E.	R
23129		PSYC-140C-01		Health Psychology	5	LEC	MW		07:00P-08:45P		Soc Sci 2 071	Kaup,J.W.	R
23847		PSYC-140C-01A		Discussion		DIS	T		12:00P-01:10P		Oakes Acad 106	Staff	
23848		PSYC-140C-01B		Discussion		DIS	Th		06:00P-07:10P		Oakes Acad 106	Staff	
24532		PSYC-140G-01		Women's Lives	5	LEC	MW		07:00P-08:45P		Kresge Clrm 321	Bullock,H.E.	R
24533		PSYC-140G-01A		Discussion		DIS	W		03:30P-04:40P		Eight Acad 242	Staff	
24534		PSYC-140G-01B		Discussion		DIS	M		05:00P-06:10P		Oakes Acad 222	Staff	
24535		PSYC-140G-01C		Discussion		DIS	Th		02:00P-03:10P		Oakes Acad 222	Staff	
24536		PSYC-140G-01D		Discussion		DIS	T		08:30A-09:40A		J Baskin Engr 165	Staff	
24308		PSYC-140T-01		Psychology / Trauma	5	LEC	MW		05:00P-06:45P		Kresge Clrm 321	Zurbriggen,E.L.	R
				<i>Enroll in lecture and associated discussion section.</i>									
24309		PSYC-140T-01A		Discussion		DIS	T		02:00P-03:10P		J Baskin Engr 165	Staff	
24310		PSYC-140T-01B		Discussion		DIS	T		06:00P-07:10P		Cowell Acad 113	Staff	
24311		PSYC-140T-01C		Discussion		DIS	W		08:00A-09:10A		Cowell Acad 113	Staff	
24312		PSYC-140T-01D		Discussion		DIS	Th		10:00A-11:10A		Cowell Acad 113	Staff	
20951		PSYC-169-01		Community Psyc	5	LEC	TTh		06:00P-07:45P		Merrill Acad 102	Tonay,V.K.	R
22648		PSYC-169-01A		Discussion		DIS	M		07:00P-08:10P		Oakes Acad 222	Staff	
22649		PSYC-169-01B		Discussion		DIS	Th		02:00P-03:10P		J Baskin Engr 165	Staff	
20952		PSYC-169-01C		Discussion		DIS	T		10:00A-11:10A		Cowell Acad 113	Staff	
20953		PSYC-169-01D		Discussion		DIS	F		08:00A-09:10A		Cowell Acad 113	Staff	
24313		PSYC-170-01		Abnormal Psychology	5	LEC	TTh		02:00P-03:45P		Classroom 001	Gjerde,P.F.	R
24314		PSYC-170-01A		Discussion		DIS	M		07:00P-08:10P		Steven Acad 152	Staff	
24315		PSYC-170-01B		Discussion		DIS	T		06:00P-07:10P		Steven Acad 152	Staff	
24316		PSYC-170-01C		Discussion		DIS	Th		08:30A-09:40A		Steven Acad 152	Staff	
24317		PSYC-170-01D		Discussion		DIS	M		08:00A-09:10A		J Baskin Engr 165	Staff	
24318		PSYC-170-01E		Discussion		DIS	Th		10:00A-11:10A		J Baskin Engr 165	Staff	
24319		PSYC-170-01F		Discussion		DIS	W		07:00P-08:10P		J Baskin Engr 165	Staff	
20954		PSYC-171-01		Child Psychopathol	5	LEC	TTh		12:00P-01:45P		Porter Acad 144	Saposnek,D.T.	R
20955		PSYC-171-01A		Discussion		DIS	M		05:00P-06:10P		Merrill Acad 130	Staff	
20956		PSYC-171-01B		Discussion		DIS	T		08:00P-09:10P		Steven Acad 152	Staff	
20957	Y	PSYC-191A-01		Intro to Psychology	5	SEM	F		09:00A-12:00P		Soc Sci 2 104	Kawamoto,A.H.	
				<i>See Enrollment Conditions for instructions.</i>									
21001	Y	PSYC-194A-01		Adv Devel Research	5	LAB			**To Be Arranged**			Thorne,A.	
				<i>See Enrollment Conditions for instructions.</i>									
21002	Y	PSYC-194B-01		Adv Cognitive Res	5	LAB			**To Be Arranged**			Fox Tree,J.E.	
				<i>See Enrollment Conditions for instructions.</i>									
21003	Y	PSYC-194C-01		Adv Social Research	5	LAB			**To Be Arranged**			Hurtado,A.	
				<i>See Enrollment Conditions for instructions.</i>									
21336		PSYC-204-01		Quant Data Analysis	5	SEM	TTh		10:00A-11:45A		Soc Sci 2 137	Vevea,J.L.	R
23153		PSYC-211B-01		Proseminar: Society	5	SEM	Th		06:00P-09:00P		Soc Sci 2 104	Haney,C.W.	R
21337		PSYC-224A-01		Prosem: Cogni Psy I	5	SEM	TTh		04:00P-05:45P		Soc Sci 2 137	Bridgeman,B.	R
				Prosem: Cogni Psy I					04:00P-05:45P		Soc Sci 2 137	Massaro,D.W.	
21338		PSYC-230-01		Cogni Psych Seminar	5	SEM	W		03:30P-05:00P		Soc Sci 2 121	Massaro,D.W.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21339		PSYC-231-01		Social Psych Sem	5	SEM	F		03:30P-05:00P		Soc Sci 2 121	Byrne,C.C.	R
21340		PSYC-242-01		Dev Psyc Seminar	5	SEM	M		03:30P-05:00P		Soc Sci 2 121	Thorne,A.	R
21341		PSYC-244A-01		Prosem I:Lang Devel	5	SEM	TTh		12:00P-01:45P		Steven Acad 217	Akhtar,N.N.	R
24321		PSYC-247-01		Spec Topics Develop	5	SEM	T		09:00A-12:00P		Soc Sci 2 415	Thorne,A.	R
24732		PSYC-252-01		Spec Top: Cognitive	5	SEM	W		05:00P-08:00P		Soc Sci 2 104	Wilson,M.L.	R
21342		PSYC-290B-01		Adv Devel Research	2	SEM	M		09:00A-11:00A		Soc Sci 2 223	Rogoff,B.	R
Russian													
21561		RUSS-1-01		Instr Russian Lang	5	LEC	MWF		11:00A-12:10P		Cowell Com 134	Nickell,W.S.	
21562		RUSS-4-01		Intermed Russian	5	H LEC	MWF		02:00P-03:10P		Soc Sci 2 179	Nickell,W.S.	R
Science Communication													
21585		SCIC-201A-01		Reporting Sci News	5	SEM	TTh		08:00A-09:45A		Kerr Hall 407	Chui,G.G.	R
				Reporting Sci News					08:00A-09:45A		Kerr Hall 407	Rogers,P.R.	
21586		SCIC-202-01		Writ & Edit Wrkshop	5	SEM	TTh		10:00A-11:45A		Kerr Hall 407	McNicholas,J.R.	R
				Writ & Edit Wrkshop					10:00A-11:45A		Kerr Hall 407	Mendoza,M.	
Social Documentaion													
24690		SOCD-200-01		Approach Social Docmt	5	SEM	M		01:00P-04:00P		Eight Acad 301	Rich,B.R.	R
24691		SOCD-202-01		Practice/Social Doc	5	SEM	W		03:30P-06:30P		Eight Acad 301	Tajima,R.	R
Social Sciences													
24609	Y	SOCS-194A-01		UCDC Intern Seminar	5	FLD			**To Be Arranged**			Staff	
				<i>This course is scheduled in Washington, D.C.</i>									
24610	Y	SOCS-194B-01		UCDC Intern Seminar	5	FLD			**To Be Arranged**			Staff	
				<i>This course is scheduled in Washington, D.C.</i>									
Sociology													
21605		SOCY-1-01		Intro Sociology	5	S LEC	MW		05:00P-06:45P		Media Theater M110	Reinarman,C.	
				<i>Enroll in lecture and associated discussion section.</i>									
21606		SOCY-1-01A		Discussion		DIS	M		09:30A-10:40A		Earth&Marine B214	Staff	
21607		SOCY-1-01B		Discussion		DIS	T		08:30A-09:40A		Eight Acad 252	Staff	
21608		SOCY-1-01C		Discussion		DIS	W		02:00P-03:10P		Earth&Marine B214	Staff	
21609		SOCY-1-01D		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 1 161	Staff	
24322		SOCY-1-01E		Discussion		DIS	F		12:30P-01:40P		Engineer 2 192	Staff	
24323		SOCY-1-01F		Discussion		DIS	M		03:30P-04:30P		Earth&Marine B210	Staff	
24324		SOCY-1-01G		Discussion		DIS	T		12:00P-01:10P		Soc Sci 1 161	Staff	
24325		SOCY-1-01H		Discussion		DIS	W		11:00A-12:10P		Earth&Marine B214	Staff	
24326		SOCY-1-01I		Discussion		DIS	Th		02:00P-03:10P		J Baskin Engr 372	Staff	
24327		SOCY-1-01J		Discussion		DIS	F		08:00A-09:10A		Earth&Marine B210	Staff	
24328		SOCY-1-01K		Discussion		DIS	Th		06:00P-07:10P		Eight Acad 242	Staff	
24329		SOCY-1-01L		Discussion		DIS	T		07:30P-08:40P		Soc Sci 1 161	Staff	
21610		SOCY-15-01		World Society	5	SE LEC	TTh		02:00P-03:45P		Classroom 002	Lubeck,P.M.	
21611		SOCY-15-01A		Discussion		DIS	W		05:00P-06:10P		Merrill Acad 130	Staff	
21612		SOCY-15-01B		Discussion		DIS	Th		08:30A-09:40A		J Baskin Engr 165	Staff	
21613		SOCY-15-01C		Discussion		DIS	M		05:00P-06:10P		Steven Acad 152	Staff	
21614		SOCY-15-01D		Discussion		DIS	T		08:30A-09:40A		J Baskin Engr 372	Staff	
21615		SOCY-15-01E		Discussion		DIS	F		02:00P-03:10P		J Baskin Engr 372	Staff	
21616		SOCY-15-01F		Discussion		DIS	M		08:00A-09:10A		Cowell Acad 113	Staff	
22654		SOCY-15-01G		Discussion		DIS	T		12:00P-01:10P		Cowell Acad 113	Staff	
22655		SOCY-15-01H		Discussion		DIS	W		08:00A-09:10A		Earth&Marine B210	Staff	
24330		SOCY-15-01I		Discussion		DIS	Th		06:00P-07:10P		Cowell Acad 113	Staff	
24332		SOCY-15-01J		Discussion		DIS	F		08:00A-09:10A		Earth&Marine B214	Staff	
24333		SOCY-15-01K		Discussion		DIS	M		07:00P-08:10P		Eight Acad 252	Staff	
24334		SOCY-15-01L		Discussion		DIS	W		03:30P-04:40P		Earth&Marine B210	Staff	
24335		SOCY-15-01M		Discussion		DIS	F		11:00A-12:10P		Engineer 2 194	Staff	
24331		SOCY-15-01N		Discussion		DIS	Th		07:30P-08:40P		Cowell Acad 113	Staff	
21617		SOCY-30A-01		Global Info Interns	3	LAB	Th		06:00P-07:45P		Soc Sci 1 123	Lubeck,P.M.	
							T		06:00P-07:45P		Soc Sci 2 179		
21637		SOCY-105A-01		Classical Soc Theor	5	LEC	MWF		09:30A-10:40A		Krsg Town Hall 466	Du Puis,E.M.	R
				<i>Enroll in lecture and associated discussion section.</i>									
21638		SOCY-105A-01A		Discussion		DIS	M		05:00P-06:10P		Oakes Acad 102	Staff	
21639		SOCY-105A-01B		Discussion		DIS	Th		04:00P-05:10P		Cowell Acad 113	Staff	
21640		SOCY-105A-01C		Discussion		DIS	W		08:00A-09:10A		Engineer 2 192	Staff	
21641		SOCY-105A-01D		Discussion		DIS	Th		08:30A-09:40A		Oakes Acad 106	Staff	
21642		SOCY-105A-01E		Discussion		DIS	F		11:00A-12:10P		Engineer 2 192	Staff	
21643		SOCY-105A-01F		Discussion		DIS	M		07:00P-08:10P		Oakes Acad 102	Staff	
21644		SOCY-105A-01G		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 102	Staff	
21645		SOCY-105A-01H		Discussion		DIS	W		12:30P-01:40P		Engineer 2 194	Staff	
21646		SOCY-105A-01I		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 1 161	Staff	
22656		SOCY-105A-01J		Discussion		DIS	F		08:00A-09:10A		Engineer 2 192	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24337		SOCY-116-01		Comm & Mass Media	5	LEC	MWF		08:00A-09:10A		Cowell Clrm 131	Staff	R
24538		SOCY-1281-01		Race & Crimnl Justi	5	LEC	TTh		08:00A-09:45A		Merrill Acad 102	Fukurai,H.	
<i>Enroll in lecture and associated discussion section</i>													
24539		SOCY-1281-01A		Discussion		DIS	M		09:30A-10:40A		Earth&Marine B210	Staff	
24540		SOCY-1281-01B		Discussion		DIS	W		12:30P-01:40P		Engineer 2 192	Staff	
24541		SOCY-1281-01C		Discussion		DIS	F		03:30P-04:40P		Earth&Marine B210	Staff	
24542		SOCY-1281-01D		Discussion		DIS	Th		07:30P-08:40P		Eight Acad 242	Staff	
24338		SOCY-129-01		Popular Culture	5	LEC	TTh		04:00P-05:45P		Porter Acad 148	Bettie,J.	R
24339		SOCY-129-01A		Discussion		DIS	M		09:30A-10:40A		Engineer 2 192	Staff	
24340		SOCY-129-01B		Discussion		DIS	W		05:00P-06:10P		Cowell Acad 113	Staff	
24341		SOCY-135-01		Nonverbal Communic	5	LEC	M		07:00P-10:00P		Eight Acad 242	Archer,D.	
21648		SOCY-136-01		Social Psychology	5	LEC	MW		05:00P-06:45P		Merrill Acad 102	Staff	
21649		SOCY-136-01A		Discussion		DIS	T		10:00A-11:10A		Earth&Marine B210	Staff	
21650		SOCY-136-01B		Discussion		DIS	Th		04:00P-05:10P		Oakes Acad 106	Staff	
21651		SOCY-136-01C		Discussion		DIS	W		07:00P-08:10P		Cowell Com 134	Staff	
21652		SOCY-136-01D		Discussion		DIS	F		08:00A-09:10A		Engineer 2 192	Staff	
24343		SOCY-148-01		Sociol Of Learning	5	LEC	TTh		12:00P-01:45P		Porter Acad 148	Roby,P.A.	R
24344		SOCY-148-01A		Discussion		DIS	M		08:00A-09:10A		Earth&Marine B210	Staff	
24345		SOCY-148-01B		Discussion		DIS	W		05:00P-06:10P		Oakes Acad 106	Staff	
24347		SOCY-165-01		World Syst Perspect	5	SEM	TTh		10:00A-11:45A		Eight Acad 250	Goldfrank,W.L.	R
22659		SOCY-179-01		Nature,Poverty,Prog	5	LEC	TTh		12:00P-01:45P		Soc Sci 2 075	Crow,B.D.	
22660		SOCY-179-01A		Discussion		DIS	W		09:30A-10:40A		Earth&Marine B210	Staff	
24349		SOCY-179-01B		Discussion		DIS	F		02:00P-03:10P		Earth&Marine B214	Staff	
24350		SOCY-185-01		Environ Inequality	5	LEC	TTh		02:00P-03:45P		Oakes Acad 106	Szasz,A.	R
21870		SOCY-201-01		Make Classic Theory	5	SEM	T		09:00A-12:00P		Crown Clrm 105	Szasz,A.	R
21871		SOCY-203-01		Sociol Methods	5	LEC	M		07:00P-10:00P		Steven Acad 213	West,C.	R
21872		SOCY-204-01		Quantitative Analys	5	SEM	Th		09:00A-12:00P		Crown Clrm 105	Takagi,D.	R
24351		SOCY-294-01		Writ Soc Scientists	5	SEM	Th		04:00P-07:00P		Steven Acad 217	West,C.	R

Spanish

21955		SPAN-1-01		Instr Spanish Lang	5	LEC	MWF		08:00A-09:10A		Kresge Clrm 325	Morris,M.D.	R
21956		SPAN-1-02		Instr Spanish Lang	5	LEC	MWF		09:30A-10:40A		Kresge Clrm 325	Morris,M.D.	R
24719		SPAN-1T-01		Instruc Span-Topics	5	LEC	MWF		02:00P-03:10P		Crown Clrm 203	Gonzalez Pagani,M.	R
24720	Y	SPAN-1U-01		Span Lang Instr Lab	2	LAB			**To Be Arranged**			Gonzalez Pagani,M.	
21958		SPAN-2-01		Instr Spanish Lang	5	LEC	MWF		12:30P-01:40P		Kresge Clrm 323	Calierno,C.	R
21959		SPAN-2-02		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Kresge Clrm 323	Calierno,C.	R
21960		SPAN-2-03		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Kresge Clrm 323	Calierno,C.	R
21961		SPAN-2-04		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		Merrill Acad 132	Barcelo,B.	R
21962		SPAN-2-05		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Oakes Acad 106	Ramos-Castro,C.	R
21963		SPAN-2-06		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Oakes Acad 106	Ramos-Castro,C.	R
21964		SPAN-3-01		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Crown Clrm 208	Ramirez,F.A.	R
21965		SPAN-3-02		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Soc Sci 1 149	Perez,A.A.	R
21966		SPAN-3-03		Instr Spanish Lang	5	LEC	MWF		09:30A-10:40A		Crown Clrm 208	Feliu,V.E.	R
21967		SPAN-3-04		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		Steven Acad 152	Feliu,V.E.	R
21968		SPAN-4-01		Intermed Spanish	5	H SEM	MWF		02:00P-03:10P		Eight Acad 250	Romero,A.	R
21969		SPAN-4-02		Intermed Spanish	5	H SEM	MWF		03:30P-04:40P		Eight Acad 250	Romero,A.	R
21970		SPAN-4-03		Intermed Spanish	5	H SEM	MWF		11:00A-12:10P		Soc Sci 2 167	Perez,A.A.	R
21971		SPAN-4-04		Intermed Spanish	5	H SEM	MWF		12:30P-01:40P		Soc Sci 2 159	Perez,A.A.	R
21972		SPAN-5-01		Intermed Spanish	5	H LEC	MWF		11:00A-12:10P		Crown Clrm 208	Ramirez,F.A.	R
21973		SPAN-5-02		Intermed Spanish	5	H LEC	MWF		03:30P-04:40P		Crown Clrm 208	Ramirez,F.A.	R
24031		SPAN-5M-01		Medical Spanish	5	H LEC	MWF		12:30P-01:40P		Merrill Acad 132	Barcelo,B.	R
21974		SPAN-6-01		Intermed/Adv Span	5	H LEC	MWF		11:00A-12:10P		Kresge Clrm 325	Morris,M.D.	R
21975		SPAN-6-02		Intermed/Adv Span	5	H LEC	MWF		03:30P-04:40P		Crown Clrm 203	Gonzalez Pagani,M.	R
24523		SPAN-156E-01		Spanish Culture	5	LEC	MWF		11:00A-12:10P		N. Sci Annex 103	Romero,A.	R

Spanish for Spanish Speakers

22007		SPSS-61-01		Spanish Speakers	5	H LEC	MWF		03:30P-04:40P		Merrill Acad 132	Feliu,V.E.	
22008		SPSS-61-02		Spanish Speakers	5	H LEC	MWF		02:00P-03:10P		Merrill Acad 130	Navarro,M.A.	
24721		SPSS-61-03		Spanish Speakers	5	H LEC	MWF		03:30P-04:40P		Merrill Acad 130	Navarro,M.A.	

Theater Arts

22063		THEA-10-01		Intro to Design	5	A LEC	TTh		02:00P-03:45P		TA 2nd Stage	Edmunds,K.	
23144		THEA-12-01		Production Manage	5	A LEC	TTh		10:00A-11:45A		TA Drama B201	Staff	
22064		THEA-20-01		Intr Studies Acting	5	HA STU	MW		11:00A-12:45P		TA Exp Theater L106	Martinez,A.R.	
<i>Enroll in studio and associated secondary studio</i>													
22065		THEA-20-01A		Secondary Studio		STS	T		12:30P-01:40P		TA Drama B100	Staff	
22066		THEA-20-01B		Secondary Studio		STS	T		02:00P-03:10P		TA Drama B100	Staff	
22067		THEA-20-01C		Secondary Studio		STS	W		12:00P-01:10P		TA Studio C100	Staff	
22068		THEA-20-01D		Secondary Studio		STS	W		01:30P-02:40P		TA Studio C100	Staff	
24353		THEA-20-01E		Secondary Studio		STS	Th		01:30P-02:40P		TA Studio C100	Staff	
24354		THEA-20-01F		Secondary Studio		STS	Th		03:00P-04:10P		TA Studio C100	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22069		THEA-21-01		Acting Studio I	5	A	STU	MWF	09:30A-11:30A		TA Drama B100	Staff	R
22667		THEA-22-01		Indonesian Dance	5	AE	STU	TTh	10:00A-11:45A		TA Mainstage A104	Foley,M.K.	
22070		THEA-30-01		Intr Modern Dance	5	HA	STU	MW	10:00A-12:00P		TA Mainstage A105	Warburton,E.C.	
24356		THEA-30-02		Intr Modern Dance	5	HA	STU	MWF	01:30P-03:00P		TA Mainstage A104	Beal,T.	
22074		THEA-50-01		Fundamen Production	2	A	STU		**To Be Arranged**			Cuthbert,D.L. Scheie,D.	
<i>Enroll in lecture and associated secondary studio; first class meeting Wednesday, 9/28 on TA Main Stage, remainder TBA.</i>													
22075		THEA-50-01A		Secondary Studio			STS		**To Be Arranged**			Staff	
22076		THEA-50-01B		Secondary Studio			STS		**To Be Arranged**			Staff	
23137		THEA-50-01C		Secondary Studio			STS		**To Be Arranged**			Staff	
23138		THEA-50-01D		Secondary Studio			STS		**To Be Arranged**			Staff	
23139		THEA-50-01E		Secondary Studio			STS		**To Be Arranged**			Staff	
23140		THEA-50-01F		Secondary Studio			STS		**To Be Arranged**			Staff	
24607	Y	THEA-55A-01		Barnstorm	5		STU	MTWTh	07:00P-10:00P		Barn Theater 021	Cuthbert,D.L.	
								F	03:30P-06:30P		Barn Theater 021	Scheie,D.	
24608	Y	THEA-55B-01		Barnstorm Lab	2		STU	MTWTh	07:00P-10:00P		Barn Theater 021	Cuthbert,D.L.	
								F	03:30P-06:30P		Barn Theater 021	Scheie,D.	
22077		THEA-60A-01		Develmt Theatr Arts	5	HA	LEC	TTh	12:00P-01:45P		TA 2nd Stage	Mostkoff,P.H.	
<i>Enroll in lecture and associated discussion section.</i>													
22078		THEA-60A-01A		Discussion			DIS	W	10:00A-11:10A		TA Offices J102	Staff	
22079		THEA-60A-01B		Discussion			DIS	W	11:30A-12:40P			Staff	
22080		THEA-60A-01C		Discussion			DIS	Th	02:30P-03:40P		TA Drama B201	Staff	
22081		THEA-60A-01D		Discussion			DIS	Th	04:00P-05:10P		TA Drama B201	Staff	
22082		THEA-60A-01E		Discussion			DIS	F	01:00P-02:10P		TA Offices J102	Staff	
23385		THEA-60A-01F		Discussion			DIS	F	02:30P-03:40P		TA Offices J102	Staff	
24360		THEA-80E-01		Stand-Up Comedy	5	4A	LEC	TTh	12:00P-01:45P		TA Exp Theater L106	Staff	
24361		THEA-80E-02		Stand-Up Comedy	5	4A	LEC	TTh	02:00P-03:45P		TA Exp Theater L106	Holsclaw,D.E.	
22083		THEA-80H-01		Hamlet Conundrums	5	4A	LEC		**To Be Arranged**			Bierman,J.H.	
<i>On-line class. Please visit www.elsinore.ucsc.edu and e-mail elsinore@ucsc.edu for course instructions.</i>													
24362		THEA-80L-01		Muppet Magic	5	4A	LEC	TTh	04:00P-05:45P		TA 2nd Stage	Foley,M.K.	
24363		THEA-80L-01A		Discussion			DIS	W	10:00A-11:10A		TA Lecture E100	Staff	
24364		THEA-80L-01B		Discussion			DIS	W	11:30A-12:40P		TA Lecture E100	Staff	
24365		THEA-80L-01C		Discussion			DIS	W	01:00P-02:10P		TA Lecture E100	Staff	
24366		THEA-80L-01D		Discussion			DIS	W	02:30P-03:40P		TA Lecture E100	Staff	
24367		THEA-80L-01E		Discussion			DIS	F	09:00A-10:10A		TA Lecture E100	Staff	
24368		THEA-80L-01F		Discussion			DIS	F	10:30A-11:40A		TA Lecture E100	Staff	
24369		THEA-80L-01G		Discussion			DIS	F	12:00P-01:10P		TA Lecture E100	Staff	
24370		THEA-80L-01H		Discussion			DIS	F	01:30P-02:40P		TA Lecture E100	Staff	
24371		THEA-80L-01I		Discussion			DIS	Th	10:00A-11:10A		TA Lecture E100	Staff	
24372		THEA-80L-01J		Discussion			DIS	Th	11:30A-12:40P		TA Lecture E100	Staff	
23365		THEA-80Z-01		Indian Dance	5	4A	STU	TTh	04:00P-05:45P		TA Exp Theater L106	Staff	
22087	Y	THEA-121-01		Acting Studio II	5	A	STU	MWF	09:30A-11:30A		TA Studio C100	Staff	
<i>See Enrollment Conditions for instructions.</i>													
24373		THEA-124-01		Movement Performers	5	A	STU	MWF	09:30A-11:00A		TA Mainstage A104	Gallagher,P.M.	
22678	Y	THEA-126-01		Acting Studio III	5	A	STU	MW	03:00P-04:45P		TA Drama B100	Martinez,A.R.	
<i>See Enrollment Conditions for instructions.</i>													
24606		THEA-135-01		Dance Improvisation	5	A	STU	MWF	02:00P-03:30P		TA Mainstage A105	Warburton,E.C.	
22088	Y	THEA-151-01		Stdy Perform Drama	5	A	STU	MTWTh	07:00P-10:00P		TA Mainstage A100	Whitworth,P.	
							F		03:30P-06:30P		TA Mainstage A100		
<i>See Enrollment Conditions for instructions.</i>													
23134		THEA-157-01		Playwriting	5	WA	SEM	TTh	10:00A-11:45A		TA 2nd Stage	Bierman,J.H.	R
24672		THEA-161X-01		Rhetoric/Thea/Perfm	5	A	SEM	TTh	12:00P-01:45P		TA Offices J102	Staff	
22172		THEA-290-01		Special Topics	5		SEM	MW	04:00P-05:45P		TA Offices J101	Franko,M.	R
Women's Studies													
22238		WMST-1A-01		Intro To Feminisms	5	H	LEC	TTh	04:00P-05:45P		Classroom 002	Aptheker,B.F.	
<i>Mandatory sections to be assigned during first week of class</i>													
22902		WMST-112-01		Women and the Law	5		LEC	TTh	02:00P-03:45P		Merrill Acad 102	Dent,G.	R
<i>Also offered as POLI 112; mandatory sections to be assigned during first week of class</i>													
24543		WMST-117-01		Gender and Africa	5	E	SEM	T	10:00A-01:00P		Porter Acad 249	Dent,G.	R
		WMST-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
		WMST-193F-XXX		Field Study	2		FLI		**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
24544		WMST-194C-01		Gender & Globaliztn	5	E	SEM	W	12:30P-03:30P		Kresge Clrm 319	Honig,E.	R
		WMST-195-XXX		Sr Thesis or Projct	5	W	IND		**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
22272	Y	WMST-196-01		Feminist Meth Teach	5		SEM	TTh	12:00P-01:45P		Kresge Clrm 325	Aptheker,B.F.	
		WMST-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		WMST-198F-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
		WMST-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WMST-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
		WMST-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

Writing

22323		WRIT-1-01		Compos & Rhetoric	5	C SEM	MWF	08:00A-09:10A			Soc Sci 2 167	Arthur,D.L.	R
22324		WRIT-1-02		Compos & Rhetoric	5	C SEM	MWF	02:00P-03:10P			Kresge Acad 194	Arthur,D.L.	R
22325		WRIT-1-03		Compos & Rhetoric	5	C SEM	MWF	12:30P-01:40P			Crown Clrm 208	Freeman,C.M.	R
22326		WRIT-1-04		Compos & Rhetoric	5	C SEM	TTh	10:00A-11:45A			Merrill Acad 132	Hart,E.L.	R
22327		WRIT-1-05		Compos & Rhetoric	5	C SEM	TTh	12:00P-01:45P			Merrill Acad 132	Hart,E.L.	R
22328		WRIT-1-06		Compos & Rhetoric	5	C SEM	TTh	04:00P-05:45P			Soc Sci 1 145	Lunine,B.D.	R
22329		WRIT-1-07		Compos & Rhetoric	5	C SEM	TTh	10:00A-11:45A			Eight Com 201	Spafford,R.L.	R
22330		WRIT-1-08		Compos & Rhetoric	5	C SEM	MWF	02:00P-03:10P			Kresge Clrm 325	Weaver,A.L.	R
22331		WRIT-1-09		Compos & Rhetoric	5	C SEM	MWF	11:00A-12:10P			Kresge Acad 194	Staff	R
22332		WRIT-1-10		Compos & Rhetoric	5	C SEM	MW	05:00P-06:45P			Soc Sci 1 145	Staff	R
22333		WRIT-1-11		Compos & Rhetoric	5	C SEM	TTh	02:00P-03:45P			Soc Sci 1 145	Staff	R
24378		WRIT-1-12		Compos & Rhetoric	5	C SEM	TTh	06:00P-07:45P			Soc Sci 2 165	Staff	R
22362		WRIT-22A-01		Grammar & Editing	3	SEM	TTh	02:00P-03:45P			Soc Sci 2 141	Krusoe,N.	
22363		WRIT-22A-02		Grammar & Editing	3	SEM	TTh	04:00P-05:45P			Soc Sci 2 141	Krusoe,N.	
22686		WRIT-22A-03		Grammar & Editing	3	SEM	MW	02:00P-03:10P			Cowell Acad 223	Scripture,D.D.	
22364		WRIT-22B-01		Grammar & Editing	3	SEM	MW	02:00P-03:10P			Cowell Acad 216	Freeman,M.C.	
23759		WRIT-22B-02		Grammar & Editing	3	SEM	MW	03:30P-04:40P			Cowell Acad 223	Freeman,M.C.	
		WRIT-93-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-93F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
		WRIT-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
22383	Y	WRIT-169-01		Tutoring Writing	5	SEM	MWF	02:00P-03:10P			Cowell Acad 113	Baker,M.	
22384	Y	WRIT-169-02		Tutoring Writing	5	SEM	MWF	12:30P-01:40P			Kresge Acad 194	King,R.Y.	
		WRIT-189-XXX		Teaching Writing <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-191A-XXX		Intern In Writing <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-191B-XXX		Intern In Editing <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-191C-XXX		Intern In Publish <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-191D-XXX		Intern In Broadcast <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-193F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
		WRIT-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-195-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		WRIT-198F-XXX		Indepen Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
		WRIT-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		WRIT-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	

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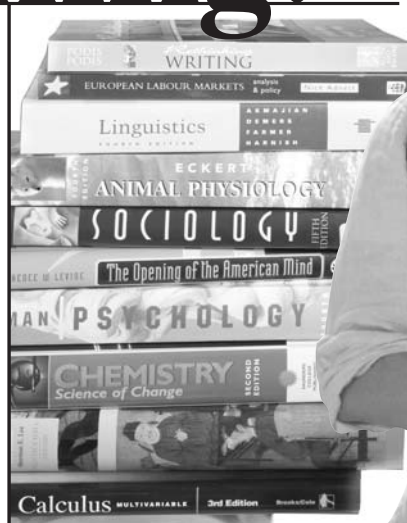
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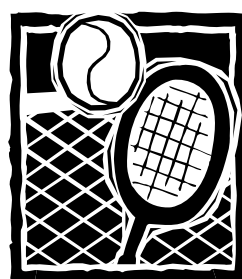
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USEFUL PHONE NUMBERS

When dialing from non-university telephones, add the 459- prefix to these extension numbers. When dialing from university telephones, precede these extension numbers with 9.

Admissions	Health Center	2211
General information	Insurance	2389
Evaluation and processing	Housing	
Transfer credit	Campus Housing Office	2394
Restrictive Programs: Second Bachelor's Degree,	Family Student Housing	2549
Limited Status, High School Honors	Student Community Rental Program	4435
Articulation	ID Card Information	2990
Arts & Lectures	Information (offices not listed)	0111
Box Office	International Programs	2858
Campus Calendar Information	KZSC Radio	
Bay Tree Bookstore	Office	2811
Box Office	Request Line	4036
Career Center	Libraries	
Cashier's Office	McHenry Library Reference Desk	2711
Chancellor's Office	Science Library Information	2050
Child Care Services	Loan Collections	2940
Colleges and University Housing Services	Lost and Found	2231
Granary Child Development Center	Ombudsman	2073
City on a Hill Press	Parking Office	4543
Colleges	Physical Education, Recreation, and Sports	2531
College Eight	Police	2231
College Nine	Post Office	2765
College Ten	Printing Services	2925
Cowell College	Rape Prevention Education	2721
Crown College	Registrar's Office (general information)	4412
Kresge College	Enrollment Help Line	3939
Merrill College	Legal Residence	2754
Oakes College	Registration	4412
Porter College	Special Programs: ICV, UNH, UNM	3459
Stevenson College	Student Records and Transcripts	4412
Computer Center	Services for Transfer and Re-entry Students (STARS)	2552
Office	Sexual Harassment Officer/Title IX Officer	2462
Information Resource Center	Student Affairs Office	4446
Instructional Computing Labs	Student Business Services	2107
Express access dial-in lines (15-minute limit)	Student Organization Advising and Resources (SOAR)	
General access dial-in lines	Office	2934
Faculty dial-in lines	Student Union	3167
Staff dial-in lines	Summer Session Office	2524
Copy Center	Veterans' Services	1358
Counseling and Psychological Services	Women's Center	2072
Departments, Directory		
Directory Assistance (staff, faculty, office numbers)		
Disability Resource Center		
General information		
TTY only, for hearing- and speech-impaired		
Educational Opportunity Programs		
Emergencies		
Enrollment Helpline		
Financial Aid Office		
Fire Department		
Graduate Studies Office		

*If using an on-campus phone, precede with a 6.

SCHEDULE PLANNER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
8:00							
8:30							
9:00	class # _____		class # _____		class # _____		
9:30		class # _____		class # _____			
10:00							
10:30	class # _____		class # _____		class # _____		
11:00							
11:30		class # _____		class # _____			
12:00	class # _____		class # _____		class # _____		
12:30							
1:00							
1:30	class # _____	class # _____	class # _____	class # _____	class # _____		
2:00							
2:30							
3:00	class # _____		class # _____		class # _____		
3:30		class # _____		class # _____			
4:00							
4:30	class # _____		class # _____		class # _____		
5:00							
5:30		class # _____		class # _____			
6:00							
6:30	class # _____		class # _____		class # _____		
7:00							
7:30		class # _____		class # _____			
8:00							
8:30	class # _____		class # _____		class # _____		
9:00							
9:30							
10:00							
10:30	class # _____	class # _____	class # _____	class # _____	class # _____		

MWF 8:00–9:10 A.M.
 MWF 9:30–10:40 A.M.
 MWF 11:00 A.M.–12:10 P.M.
 MWF 12:30–1:40 P.M.
 MWF 2:00–3:10 P.M.
 MWF 3:30–4:40 P.M.
 MW 5:00–6:45 P.M.
 MW 7:00–8:45 P.M.

TTH 8:00–9:45 A.M.
 TTH 10:00–11:45 A.M.
 TTH 12:00–1:45 P.M.
 TTH 2:00–3:45 P.M.
 TTH 4:00–5:45 P.M.
 TTH 6:00–7:45 P.M.
 TTH 8:00–9:45 P.M.

(20-minute breaks between classes)

(15-minute breaks between classes)

Saturday meeting times vary.

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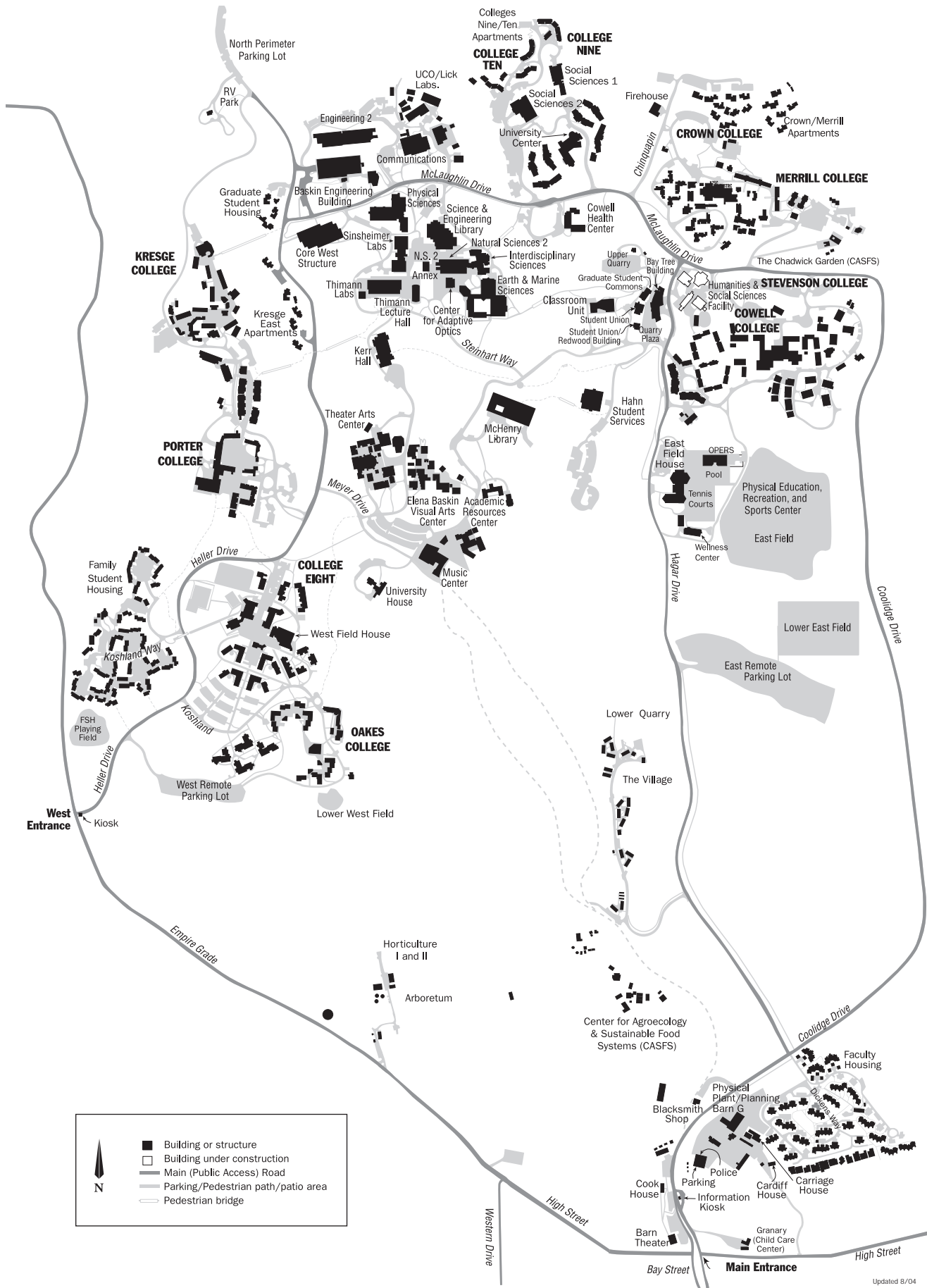
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- | | |
|--|------------------------------------|
| | Building or structure |
| | Building under construction |
| | Main (Public Access) Road |
| | Parking/Pedestrian path/patio area |
| | Pedestrian bridge |