

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

OFFICE OF THE REGISTRAR

Fall 2004 Schedule of Classes



Heads Up—Changes Are Here!

AIS, the new Academic Information System, will be rolled out for fall 2004 priority enrollment. AIS will provide enhanced one-stop, online access to enrollment, billing, financial aid, and more. And it will be available 24/7! What does that mean to you? New student ID, password, and portal services. See pages 13–16 for enrollment information.

Important Billing Address Information

Bills for fall quarter will be mailed and viewable on the portal on August 23, 2004. Refer to page 24 for Statement of Account mailing address information, and make any address changes on the Student Portal.

State Law on Hepatitis B

It may affect your enrollment; see page 5 for more information.

Fall Registration Fees

Registration fees are due by 4:00 P.M. on September 14, 2004. If you have not paid by the deadline, you will be dropped from your classes and assessed a \$50 late fee! See page 24 for more information.

UNIVERSITY OF CALIFORNIA, SANTA CRUZ



1156 High Street
Santa Cruz, CA 95064

Schedule of Classes Fall 2004

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 and the UCSC Transfer Credit Summary if you are a transfer student;
- 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 Student 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. **Department orientation meetings:** page 11. **New student orientation information:** pages 5 and 11.

3 Classes

How to read the class listings: page 77
Class listings begin: page 78
Final exam schedule: page 8

4 Placement Exams

Placement exam schedule: page 10

5 AIS Enrollment

Appointment schedules: pages 13 and 18
Access to AIS enrollment
 new students: pages 13 and 16
 continuing students: pages 14–15
Schedule planner: page 17

6 Registration Fee Payment

Bills mailed and viewable on Student Portal: August 23, 2004
Payment due: September 14, 2004
Classes are dropped if fees are not paid by: September 14, 2004

ONLINE RESOURCES

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](http://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 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 2004 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!*

June 18, Friday

Frosh program

June 22, Tuesday

Frosh program

June 24, Thursday

Frosh program

June 26, Saturday

Transfer program

June 28, Monday

Frosh program

June 30, Wednesday

Frosh program

ACADEMIC AND ADMINISTRATIVE CALENDAR 2004–05

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 '04	Winter '05	Spring '05	Fall '04	Winter '05	Spring '05	
QUARTER BEGINS	Sept 18 Sat	Jan 3 Mon	Mar 28 Mon	BILLING STATEMENTS MAILED/AVAILABLE ONLINE including registration and housing fees.	Aug 23 Mon	Nov 29 Mon	Feb 28 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.				HOUSING FEES DUE Cashier's Office.	Sept 14 Tues	Dec 17 Fri	Mar 18 Fri
INSTRUCTION BEGINS	Sept 23 Thur	Jan 4 Tues	Mar 28 Mon	REGISTRATION FEES DUE Undergraduates 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 14 Tues	Dec 17 Fri	Mar 18 Fri
HOLIDAYS (falling within the quarter)	Nov 11, 25, 26 Thur, Thur, Fri	Jan 17, Feb 21 Mon, Mon	May 30 Mon	ADD/DROP/SWAP CLASSES BEGINS Minimum/maximum credit limits enforced. Enrollment blocked if registration fees not paid.	Sept 23 Thur	Jan 4 Tues	Mar 28 Mon
INSTRUCTION ENDS	Dec 3 Fri	Mar 14 Mon	June 3 Fri	STUDENT HEALTH INSURANCE Last day to apply for waiver. Cowell Student Health Center.	Sept 24 Fri	Jan 7 Fri	Apr 1 Fri
FINAL EXAMINATIONS	Dec 6–9 Mon–Thur	Mar 15–18 Tues–Fri	June 6–9 Mon–Thur	ENROLLMENT DEADLINE Students must be enrolled in one class by this date, or \$50 late enrollment fee assessed.	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
QUARTER ENDS	Dec 9 Thur	Mar 18 Fri	June 9 Thur	REGISTRATION FEES DUE Graduate Students \$50 late fee after this date. Cashier's Office.	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
COMMENCEMENTS			June 10–12 Fri–Sun	REQUEST FOR NON-RELEASE OF PUBLIC INFORMATION Deadline to have information excluded from the online student directory. Office of the Registrar.	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
HOLIDAYS (not falling within the quarter)	Sept 6, Dec 24, 27, 30, 31 Mon, Fri, Mon, Thur, Fri	Mar 25 Fri	July 4 Mon	PART-TIME PROGRAM Graduate Students Last day to apply for a reduced class load and fees. Department.	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
CAMPUS CLOSURE DATES The campus is closed from Friday, December 24 through Sunday, January 2. In addition to the holidays listed above, employees are required to take the following two days off during this period: December 28 and 29. Contact Staff Human Resources at www2.ucsc.edu/staff_hr/ for details.				CLASS PERMISSION NUMBERS REQUIRED for all classes.	Oct 2 Sat	Jan 13 Thur	Apr 6 Wed

Advising and Advance Enrollment

	Fall '04	Winter '05	Spring '05
Continuing and Readmitted Students			
ADVISING WEEK	May 24–28 Mon–Fri	Oct 27–Nov 2 Wed–Tues	Feb 9–15 Wed–Tues
PRIORITY ENROLLMENT	June 1–9 Tues–Wed	Nov 3–17 Wed–Wed	Feb 16–Mar 2 Wed–Wed
OPEN ENROLLMENT	June 11–Sept 14 Fri–Tues	Nov 19–Dec 16 Fri–Thurs	Mar 4–18 Fri–Fri
CLASS PERMISSION NUMBERS VALID	June 11 Fri	Nov 19 Fri	Mar 4 Fri
	First day students can use class permission numbers.		

New Students			
PRIORITY ENROLLMENT	June 17 Thur		
PRIORITY ENROLLMENT	June 18–30 Fri–Wed		
PRIORITY ENROLLMENT	July 1 Thur		
OPEN ENROLLMENT BEGINS	July 2 Fri		

ADD/DROP/SWAP CLASSES BEGINS	Sept 23 Thur	Jan 4 Tues	Mar 28 Mon
STUDENT HEALTH INSURANCE	Sept 24 Fri	Jan 7 Fri	Apr 1 Fri
ENROLLMENT DEADLINE	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
REGISTRATION FEES DUE	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
REQUEST FOR NON-RELEASE OF PUBLIC INFORMATION	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
PART-TIME PROGRAM	Oct 1 Fri	Jan 12 Wed	Apr 5 Tues
CLASS PERMISSION NUMBERS REQUIRED	Oct 2 Sat	Jan 13 Thur	Apr 6 Wed
ADD/DROP/SWAP CLASSES ENDS	Oct 13 Wed	Jan 25 Tues	Apr 15 Fri
GRADE OPTION	Oct 13 Wed	Jan 25 Tues	Apr 15 Fri
PART-TIME PROGRAM	Oct 13 Wed	Jan 25 Tues	Apr 15 Fri
ADD BY PETITION BEGINS	Oct 14 Thur	Jan 26 Wed	Apr 18 Mon
WITHDRAW FROM A CLASS BEGINS	Oct 14 Thur	Jan 26 Wed	Apr 18 Mon
DECLARATION/CHANGE OF MAJOR/MINOR	Oct 20 Wed	Feb 2 Wed	Apr 27 Wed
WITHDRAW FROM THE UNIVERSITY	Oct 27 Wed	Feb 7 Mon	May 2 Mon
CHANGE OF COLLEGE	Nov 8 Mon	Feb 9 Wed	May 4 Wed

ACADEMIC AND ADMINISTRATIVE CALENDAR 2004–05

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 '04	Winter '05	Spring '05	Summer '05
WITHDRAW FROM A CLASS ENDS Undergraduates final date to drop with a W (Withdraw) notation, except for emergency reasons. College Office.	Nov 3 Wed	Feb 14 Mon	May 9 Mon	
CREDIT BY PETITION ENDS Undergraduates Last day to file petition to challenge a class (\$10 fee). Office of the Registrar.	Nov 3 Wed	Feb 14 Mon	May 9 Mon	
ADD BY PETITION ENDS Last day to add a class by petition (\$10 fee). Office of the Registrar.	Nov 3 Wed	Feb 14 Mon	May 9 Mon	
REMOVAL OF INCOMPLETE Undergraduates Deadline to file petition (\$10 fee) and submit class work for Incomplete grade from preceding quarter. Office of the Registrar.	Dec 9 Thur	Mar 18 Fri	June 9 Thur	
Graduate Students Deadline to file petition (\$10 fee) and submit class work for Incomplete grade within the last three quarters. Office of the Registrar.				
LEAVE OF ABSENCE Last day to petition for leave beginning the next quarter. College office/Division of Graduate Studies.	Dec 9 Thur	Mar 18 Fri	Aug 26 Fri	
GRADES DUE from instructors by noon. Department offices.	Dec 14 Tues	Mar 22 Tues	June 14 Tues	
EVALUATIONS DUE from instructors.	Jan 10 Mon	Apr 8 Fri	June 30 Thur	
ENROLLMENT ADJUSTMENT PETITION Undergraduates One-time exception to petition to correct enrollment (\$10 fee). Office of the Registrar.	Mar 18 Fri	June 9 Thur	Dec 8 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 8 Fri	Jan 14 Fri	Apr 15 Fri	June 24 Fri
UNDERGRADUATES announcing for bachelor's degree. Deadline to submit form. Office of the Registrar.	Oct 20 Wed	Feb 2 Wed	Apr 27 Wed	July 20 Wed
GRADUATE STUDENTS last day to complete all requirements for degree.	Dec 9 Thur	Mar 18 Fri	May 27 Thur	Sept 1 Thur
UNDERGRADUATES last day to complete all requirements for degree and for the Office of the Registrar to receive transcripts from other institutions.	Dec 9 Thur	Mar 18 Fri	June 9 Thur	Aug 26 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 29, 2003 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 2004, file by March 1, 2004
 - for enrollment in fall 2005, file by March 1, 2005
- 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 '04	Winter '05	Spring '05
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READMISSION APPLICATION Undergraduates

Filing deadline for priority enrollment. Office of Admissions.

Apr 1, 2004 Thur	Oct 1, 2004 Fri	Jan 1, 2005 Sat
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READMISSION APPLICATION FINAL FILING DEADLINE

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

July 31 Sat	Oct 31 Sun	Jan 31, 2005 Mon
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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/04_05calendar.pdf; for key dates, go to reg.ucsc.edu/keydates2004_05.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 2004 Final Examination Schedule

Class	Start	Exam Date	Exam Times
MWF	8:00 A.M.	Wednesday, December 8	8:00–11:00 A.M.
MWF	9:30 A.M.	Monday, December 6	4:00–7:00 P.M.
MWF	11:00 A.M.	Tuesday, December 7	12:00–3:00 P.M.
MWF	12:30 P.M.	Thursday, December 9	8:00–11:00 A.M.
MWF	2:00 P.M.	Monday, December 6	12:00–3:00 P.M.
MWF	3:30 P.M.	Tuesday, December 7	4:00–7:00 P.M.
MW	5:00 P.M.	Wednesday, December 8	7:30–10:30 P.M.
MW	7:00 P.M.	Monday, December 6	7:30–10:30 P.M.
TuTh	8:00 A.M.	Monday, December 6	8:00–11:00 A.M.
TuTh	10:00 A.M.	Wednesday, December 8	12:00–3:00 P.M.
TuTh	12:00 noon	Thursday, December 9	12:00–3:00 P.M.
TuTh	2:00 P.M.	Wednesday, December 8	4:00–7:00 P.M.
TuTh	4:00 P.M.	Tuesday, December 7	8:00–11:00 A.M.
TuTh	6:00 P.M.	Thursday, December 9	4:00–7:00 P.M.
Non-Standard 1*		Thursday, December 9	7:30–10:30 P.M.
Non-Standard 2**		Tuesday, December 7	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 2004 Final Exam Schedule by Time Block

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

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 2004 Final Examination Schedule

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

The Coalition for Student Academic Success (CSAS)

sponsors a series of **workshops** every quarter to support your goals of persevering and succeeding at the university. Workshops are held at a variety of locations on campus. Fall quarter's workshops will include the following topics:

Effective Reading Strategies

Writing Skills

Note-taking Techniques

Stress and Time Management

Test Anxiety

Look for flyers with details about these workshops at the beginning of fall quarter. CSAS Workshops are open to all UCSC students. Take advantage of this opportunity to enhance your academic skills!

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 entry into Arabic 1.

BIOLOGY

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

CHEMISTRY

5/18–5/20, 5:30–9:00 P.M.,
Kresge Computer Lab, room 317
Students should take the exam according to the evenings designated below, alphabetically by last name.
May 18 (Tuesday): Letters “A” through “K”
May 19 (Wednesday): Letters “J” through “R”
May 20 (Thursday): Letters “S” through “Z”

Placement Exam 9/20 and 9/21, 1:00–5:00 P.M.,
Soc Sci I Computer Lab, 123 and 135 Soc Sci I

CHINESE LANGUAGE

See Chinese instructors during their office hours. Check at 239 Cowell for Chinese faculty office locations. Approximately 15 minutes to complete the interview style placement exam.
9/21, 1:00–2:30 P.M., see faculty in 212 or 219 Cowell

ENVIRONMENTAL STUDIES

Ecology Waiver Exam
9/21, 1:00–3:00 P.M., 417 ISB

FRENCH LANGUAGE

See French instructors during their office hours. Check at 239 Cowell for French faculty office locations.
9/21, 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. Check at 239 Cowell for German faculty office locations.

GREEK LANGUAGE

No placement exam is necessary for entry into Greek 1.

HEBREW LANGUAGE

Call the Language Program, (831) 459-2054, for information.

HINDI LANGUAGE

No placement exam is necessary for entry into 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. Check at 239 Cowell for Japanese faculty office locations.
9/21, 1:00–2:30 P.M., 222 Cowell. Arrive promptly at 1:00 P.M. Written exam and short oral interview.

LATIN LANGUAGE

No placement exam is required for entry into Latin 1.

MATHEMATICS

Placement Exam
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.
5/5, 6:00–7:30 P.M., Media Theater
5/13, 6:00–7:30 P.M., Media Theater
9/20, 1:00–2:30 P.M., Media Theater
2:45–4:15 P.M., Media Theater
9/21, 1:00–2:30 P.M., Media Theater
2:45–4:15 P.M., Media Theater
9/22, 1:00–2:30 P.M., Media Theater
2:45–4:15 P.M., Media Theater
11/3, 6:00–7:30 P.M., TBA
11/11, 6:00–7:30 P.M., TBA
Special Accommodations:

1) Completion of the Math Placement Examination Request for Testing Accommodations form, which can be obtained either by calling the Mathematics Department at (831) 459-2969 or via the link at this web site: <http://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

Music Core Curriculum Placement Exam:
9/21, 10:00 A.M.–12:30 P.M., 101 Music Center
Recital Hall

PORTUGUESE LANGUAGE

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

RUSSIAN LANGUAGE

Call the Language Program, (831) 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 <http://www.ic.ucsc.edu/~test/>, and the password is TakeTest.

SPANISH FOR SPANISH SPEAKERS

See information posted at 122 Crown.

WRITING

Placement Exam
9/19, 1:00–3:00 P.M., 321 Kresge, 105 Oakes,
150 Stevenson, Thimann 1, Thimann 3,
B206 Earth & Marine

ORIENTATIONS AND PLACEMENT EXAMS

Department Orientations

AMERICAN STUDIES

9/21, 9:00–10:00 A.M. (AMST), 223 Oakes

9/21, 10:00–11:00 A.M. (EAP), 223 Oakes

ANTHROPOLOGY

9/21, 9:00 A.M.–12:00 noon, 110 Soc Sci 1

ART

9/21, 10:00 A.M.–12:00 noon,

D-101 Baskin Visual Arts Seminar Room

BIOINFORMATICS

9/21, 10:30 A.M.–12:00 noon, 165 Jack Baskin

BIOLOGICAL SCIENCES

9/21, 9:30–11:00 A.M., Classroom Unit 2

CHEMISTRY & BIOCHEMISTRY

9/21, 10:00–11:00 A.M., 391 Thimann Lab

COMMUNITY STUDIES

9/21, 10:00–11:30 A.M., 105 Oakes

COMPUTER ENGINEERING

9/21, 10:30 A.M.–12:00 noon, 152 Jack Baskin

COMPUTER SCIENCE

9/21, 9:00–10:30 A.M., 152 Jack Baskin

DUAL DEGREE

9/21, 9:00–10:30 A.M., 156 Jack Baskin

EARTH SCIENCES

9/21, 11:00 A.M.–12:00 noon,

D258 Earth and Marine Sciences

ECONOMICS

9/21, 10:00 A.M.–11:30 A.M.,

Engineering Lecture 101

ELECTRICAL ENGINEERING

9/21, 9:00–10:30 A.M., 165 Jack Baskin

ENVIRONMENTAL STUDIES

9/21, Frosh: 9:00–10:00 A.M.;

Transfers: 10:00–11:00 A.M., 221 ISB

9/22, Advising Fair: 10:00 A.M.–12 noon, 221 ISB

FILM and DIGITAL MEDIA

9/21, 10:00 A.M.–12:00 noon,

150 Communications

HISTORY

9/21, 11:00 A.M.–12:30 P.M., Baobab Lounge

HISTORY of ART and VISUAL CULTURE

9/21, 10:00–11:00 A.M. (drop-in),

D-248 Porter

INFORMATION SYSTEMS MANAGEMENT

9/21, 10:30 A.M.–12 noon, 156 Jack Baskin

LEGAL STUDIES

9/21, 10:15–11:15 A.M., Charles E.

Merrill Lounge

LINGUISTICS

9/21, 10:00–11:00 A.M., 134 Cowell

LITERATURE

9/21, 10:00–12:00 noon, 321 Kresge

MATHEMATICS

9/21, 11:00 A.M.–12:00 noon, 283 Kerr Hall

MUSIC

9/21, 9:00–9:45 A.M., 101 Music Center

Recital Hall

PHILOSOPHY

9/21, 10:00 A.M.–11:30 A.M., Cowell

Conference Room

PHYSICS

9/21, 10:00 A.M.–12:00 noon, 231 ISB

POLITICS

9/21, 9:00–10:00 A.M., Charles E.

Merrill Lounge

PSYCHOLOGY

9/21, 10:00–11:00 A.M., B206 Earth and

Marine

Psychology Advising Fair: 9/22, Wed.,

1:30–3:00 P.M., 302 Soc Sci 2

SOCIOLOGY

9/21, 10:00 A.M.–12:00 noon, 240 College Eight

THEATER ARTS

9/21, 10:00 A.M., J102 Theater Arts

WOMEN'S STUDIES

9/21, 11:00 A.M.–12:00 noon, 327 Kresge

College Orientations

COLLEGE EIGHT

College Eight staff will be enrolling our new first-year students in the College Eight core course. Please read the information regarding the Core Course that was sent to you in your College Eight Welcome mailing. You will be mailed College Eight orientation materials in August.

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

9/20, Freshman Orientation, 10:00 A.M.–12:00 noon

9/22, Transfer Orientation, 11:00 A.M.–12:00 noon

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

9/18, Frosh and Transfer Orientations, Merrill College (consult the college orientation packet for details).

OAKES COLLEGE

9/18, Oakes Frosh Orientation

See Oakes College orientation materials or contact the college for more information.

9/20, Oakes Transfer Student Orientation, 9:45 A.M.–12:00 noon,

Oakes College Learning Center

PORTER COLLEGE

Refer to your college materials for a complete schedule.

9/19, Freshman Orientation, 9:00 A.M.–1:00 P.M.

9/20, Transfer Orientation, 12:00–3:00 P.M.

9/22, Freshman Core Course Introduction, 9:00–11:30 A.M.

STEVENSON COLLEGE

Fall quarter Stevenson College Advising Orientation will begin on Sunday, 9/19. Please consult your August mailing from the College 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 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, 162A-B-C-D, 185F, 185L, 189, 280T

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

CMMU 100B, 100M, 100P, 100T

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

CRWN 184A

Restricted to CUIP interns by permission of the program manager.

ENVS 130L (01-04)

Admission will be determined at first class meeting of ENVS 130A.

FILM 150, 170B

Application materials explain application process and entrance essay and are available at department office beginning 5/28.

FILM 172, 176, 178A

Application materials and instructions are available at department office beginning 5/28. 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 freshmen 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 1C, 2, 9, 165, 166

For audition/enrollment information, please check bulletin board outside 127 Music Center beginning 9/20.

MUSC 3, 164

For audition/enrollment information, please check bulletin board outside 127 Music Center beginning 9/20.

MUSC 4A-B, 5A-B-C, 8, 30L, 51, 60, 100A, 174A

Admission by instructor determination at first class meeting.

MUSC 30A

Admission by taking the Core Curriculum Placement Exam (given 9/21, 10:00 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 permission number 9/23–10/1 from 244 Music Center—lesson application signed by instructor required. Application forms available 9/20 outside 127 Music Center.

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

(Applied Instruction) Application forms available 9/22 outside 127 Music Center. Meet instructors 9/22, 1:30–4:30 P.M.; see bulletin board upstairs in the Music Center for details. Obtain call number 9/22–10/1 from 244 Music Center—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, and 261.

MUSC 159A-B

Admission by permission of vocal instructor or by audition (audition information posted outside 127 Music Center beginning 9/20).

MUSC 165, 265

Faculty sponsor required for chamber music workshops. Audition/enrollment information posted outside 127 Music Center beginning 9/20. 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.

PRTR 21C

Meet with director, Wednesday, September 22, from 4:00–5:30 P.M. in C-002 Porter.

PRTR 80H

By advance application only.

PSYC 191A, 194A-B-C

Pre-enroll at Psychology Department, 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 151-01, 151-02, 155-01, 155-02

Contact department for audition information.

THEA 121, 126

Audition at first class meeting.

WMST 196

Interviews with instructor completed in winter quarter 2004.

WRIT 169-01, 169-02

Qualifications determined by the instructor at the first class meeting.

ENROLLMENT

Enrollment Procedure for New Undergraduate Students

Enrollment and other services will be available to you using the new Academic Information System (AIS), available at my.ucsc.edu, the Student Portal.

New undergraduates attending a summer orientation program may begin the enrollment process the day they participate in summer orientation.

New undergraduates unable to attend a summer orientation program may begin the enrollment process July 1. Your appointment time on July 1 will be available to you via the Student Portal.

Be sure to verify your enrollments before logging out of AIS.

What if I need help?

- If you need technical support, including help with your student ID and password, please call (831) 459-1611; or e-mail ais-help@ucsc.edu.
- If you need help enrolling in a class, check the enrollment FAQs at reg.ucsc.edu; call the enrollment Help Line at (831) 459-3939; or e-mail enroll@ucsc.edu.

Open enrollment continues through September 14.

Key Dates for Registration and Enrollment

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

Priority Enrollment

Continuing and Readmitted Students
June 1–June 9

Open Enrollment

June 11–September 14

Registration Fees Due

September 14 *

Enrollment Deadline

October 1 †

Permission Numbers Required

October 2

Add/Drop/Swap

September 23–October 13

Grade Option Deadline

October 13

Withdraw from a Class

October 14–November 3

Add by Petition Deadline

November 3

* You will be dropped from your courses and assessed a \$50 late fee if payment is not received by 4:00 P.M. at the Cashier's Office.

† You must be enrolled in at least one course or a \$50 late fee is assessed.

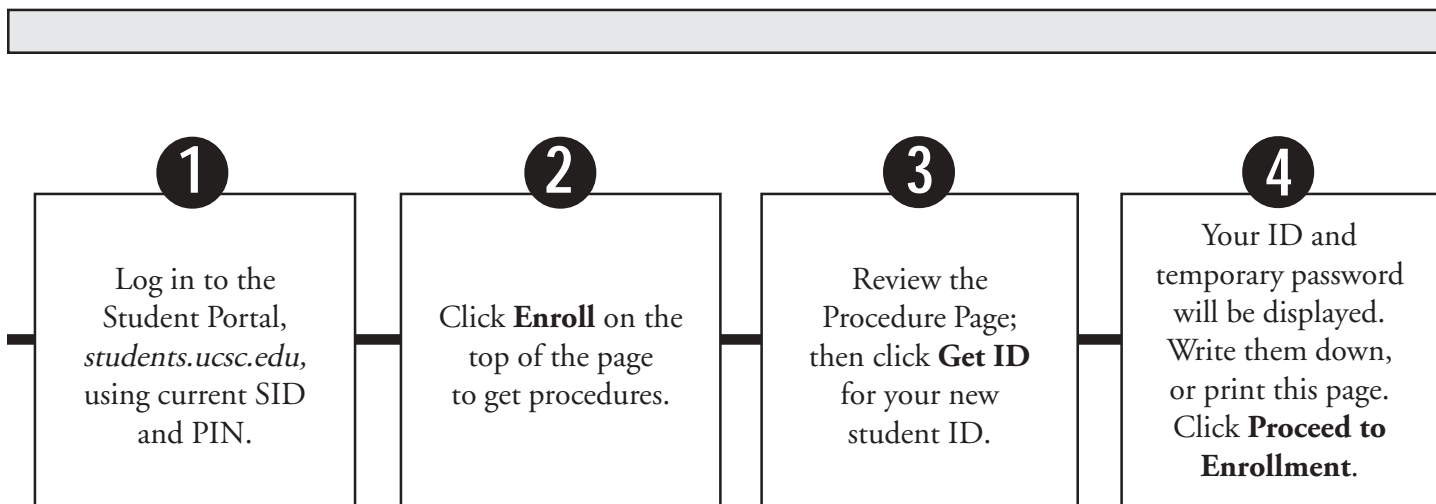
ENROLLMENT

Enrollment Procedure for Continuing Undergraduate and Graduate Students

This applies to all continuing students, including readmits and students returning from a leave of absence.

Enroll in your fall 2004 classes using the new Academic Information System (AIS).

During the transition period, as we move from our current Student Information System (SIS) to the new Academic Information System (AIS), there is going to be a two-step log in. You will first need to log in to *students.ucsc.edu*, and then log in to AIS to enroll in classes.



Questions and Answers

What if I forget my new student ID and/or new password?

Follow boxes 1 to 4 above. Note: if you've changed your AIS password, it won't display. Contact AIS Help for assistance.

What do I do if I don't have access to a computer?

You may use one of the computers in any of the 14 computer labs on campus, McHenry Library, the Science Library, or the ARC Center. Many public libraries also have computers for public use.

How do I submit a change of address?

*Log in to *students.ucsc.edu* with your current SID and PIN; then use the Change Address tab at the top of the page. Please remember that it is your responsibility to keep your address(es) current.*

Can I still view my billing statement online?

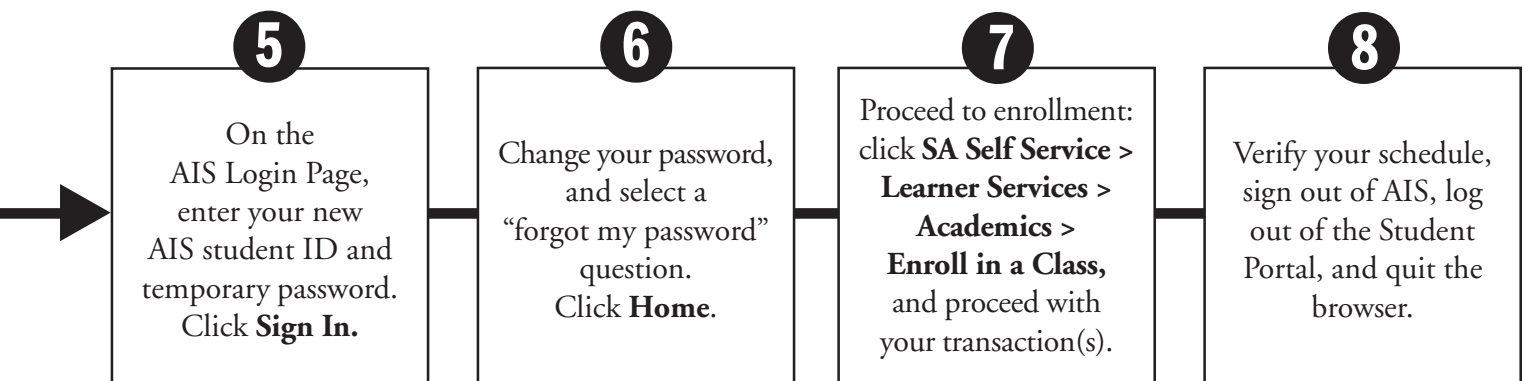
*Yes, it will still be available at *students.ucsc.edu*.*

ENROLLMENT

What if I need help?

If you need technical support, including help with your student ID and password, please call (831) 459-1611; or e-mail ais-help@ucsc.edu.

If you need help enrolling in a class, check the enrollment FAQs at reg.ucsc.edu; call the enrollment Help Line at (831) 459-3939; or e-mail enroll@ucsc.edu.



Can I still view my evaluations and academic summary?

Yes, both will still be available at students.ucsc.edu.

Can I still view my grades?

Yes, click **Grades** at the top of students.ucsc.edu; then log in using your current SID and PIN (see box 1 above).

Where do I view my fall classes?

Fall classes appear only in AIS. During the transition, navigate to AIS through students.ucsc.edu.

What can I expect after the transition?

Your new Student Portal will take you directly to the new Academic Information System (AIS).

ENROLLMENT

Enrollment Procedure for New Graduate Students

Enrollment and other services will be available to you using the new Academic Information System (AIS), available at *my.ucsc.edu*, the Student Portal.

You will receive a communication from the Graduate Admissions Office providing you with your AIS student ID and password, which you'll use to access the Student Portal for enrollment and other services.

New graduate students may begin the enrollment process June 17. Your appointment time on June 17 will be available to you via the Student Portal.

Be sure to verify your enrollments before logging out of AIS.

What if I need help?

- *If you need technical support, including help with your student ID and password, please call (831) 459-1611; or e-mail ais-help@ucsc.edu.*
- *If you need help enrolling in a class, check the enrollment FAQs at reg.ucsc.edu; call the enrollment Help Line at (831) 459-3939; or e-mail enroll@ucsc.edu.*

Open enrollment continues through September 14.

ADVERTISEMENT

Career Center

305 Bay Tree Building, 3rd Floor

Career Center Services

- Career Advising
- Workshops
- Graduate School Services
- Computer Lab
- On-Campus Interviews
- Career Positions
- Internships
- Resource Library
- On- and Off-Campus (Part-Time Jobs)

Special Events

Graduate and Professional School Fair

Monday, October 25, 2004 •• 10:00 A.M.–2:00 P.M. •• West Field House, College Eight

Early Bird Job and Internship Fair

Wednesday, October 6, 2004 •• 1:00–4:30 P.M. •• Location: TBA

(831) 459-4420 • FAX (831) 459-4018 • <http://www2.ucsc.edu/careers/>

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.

ENROLLMENT INFORMATION

Continuing/Readmitted Student Appointment Schedule

Appointment times are based on last name and anticipated academic level. To calculate your anticipated level, add your total earned credits (UCSC credits earned through winter 2003 and transfer credits) plus spring quarter attempted credits. **Students may begin enrolling for classes at the designated appointment time and continue through the end of Open Enrollment. See the Academic and Administrative Calendar on pages 6–7 for deadline dates.**

Graduate Students

Tuesday, June 1

AAA-ZZZ 7:00 A.M.

Students with Disabilities, Regents/ Leadership Opportunity Scholars

Tuesday, June 1

GAA-MIK 7:00 A.M.

MIL-WIR 8:00 A.M.

WIS-FZZ 9:00 A.M.

Seniors, Visitors, EAP Reciprocity

Tuesday, June 1

GAA-GRH 10:00 A.M.

GRI-HER 11:00 A.M.

HES-JOK 12:00 noon

JOL-KNZ 1:00 P.M.

KO-LEV 2:00 P.M.

LEW-MAR 3:00 P.M.

MAS-MIS 4:00 P.M.

MIT-NIB 5:00 P.M.

Wednesday, June 2

NIC-PEC 7:00 A.M.

PED-REM 8:00 A.M.

REN-SAF 9:00 A.M.

SAG-SIL 10:00 A.M.

SIM-SUZ 11:00 A.M.

SVA-VAB 12:00 noon

VAC-WIM 1:00 P.M.

WIN-ACZ 2:00 P.M.

ADA-BAM 3:00 P.M.

BAN-BOR 4:00 P.M.

BOS-CAS 5:00 P.M.

Thursday, June 3

CAT-COT 7:00 A.M.

COU-DOX 8:00 A.M.

DOY-FOQ 9:00 A.M.

FOR-FZZ 10:00 A.M.

Juniors

Thursday, June 3

GAA-GZZ 11:00 A.M.

HAA-HUK 12:00 noon

HUL-KEL 1:00 P.M.

KEM-LAV 2:00 P.M.

LAW-LOU 3:00 P.M.

LOV-MDZ 4:00 P.M.

MEA-MUR 5:00 P.M.

Friday, June 4

MUS-PAR 7:00 A.M.

PAS-REF 8:00 A.M.

REG-SAO 9:00 A.M.

SAP-SMN 10:00 A.M.

SMO-TER 11:00 A.M.

TES-VID 12:00 noon

VIE-WOM 1:00 P.M.

WON-ALU 2:00 P.M.

ALV-BER 3:00 P.M.

BES-CAL 4:00 P.M.

CAM-CIL 5:00 P.M.

Monday, June 7

CIM-DEL 7:00 A.M.

DEM-FAX 8:00 A.M.

FAY-FZZ 9:00 A.M.

Sophomores

Monday, June 7

GAA-GRH 10:00 A.M.

GRI-HER 11:00 A.M.

HES-JEM 12:00 noon

JEN-KNZ 1:00 P.M.

KO-LER 2:00 P.M.

LES-MAM 3:00 P.M.

MAN-MEY 4:00 P.M.

MEZ-NEL 5:00 P.M.

Tuesday, June 8

NEM-PAR 7:00 A.M.

PAS-RAM 8:00 A.M.

RAN-RUS 9:00 A.M.

RUT-SIA 10:00 A.M.

SIB-SUM 11:00 A.M.

SUN-TTZ 12:00 noon

TUA-WHX 1:00 P.M.

WHY-ZAC 2:00 P.M.

ZAD-ARC 3:00 P.M.

ARD-BER 4:00 P.M.

BES-CAA 5:00 P.M.

Wednesday, June 9

CAB-CHN 7:00 A.M.

CHO-DAV 8:00 A.M.

DAW-ELR 9:00 A.M.

ELS-FZZ 10:00 A.M.

Frosh

Wednesday, June 9

GAA-KIM 11:00 A.M.

KIN-MEQ 12:00 noon

MER-POK 1:00 P.M.

POL-TAJ 2:00 P.M.

TAK-ACZ 3:00 P.M.

ADA-CER 4:00 P.M.

CES-FZZ 5:00 P.M.

OPEN ENROLLMENT
June 11–September 14

Determining Your Academic Level

Frosh: 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. Consult this *Schedule of Classes*. Check the listing of courses offered this quarter, 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.

Appointment Time Problems

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

- check the appointment schedule to verify your 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 immediately;
- if you are barred or disqualified, contact your college.

If you cannot determine the reason for the discrepancy in your appointment time, 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, minimum credits are not enforced to reduce difficulties in processing exchanges. 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 are not allowed to enroll in 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 when you have obtained approval from 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*. If a class is available by interview only, you will see Y in the second column, Consent Required. To enroll in one of these classes, read the section, Enrollment Conditions for Interview Only, on page 12. Obtain a permission number from the instructor or department in order to enroll.

If a class is an independent study, admission is available by petition only. To enroll in this class, you must 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 77, or to the *UCSC General Catalog* to verify how to fulfill a prerequisite or restriction.

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 not for credit and is taken as part of a credit course. Secondary sections/labs are always listed directly below the main lecture. Not all secondary sections require enrollment.

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, call the Help Line at 459-3939 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 a four-digit number which allows you to enroll in a class. It is specific to a class and can be used only once. With AIS, there may be a deadline for using a permission number. 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.

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 the need to wait until the day after the first class meeting to enroll.

ENROLLMENT INFORMATION

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.

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. You must wait until the day after the first class meeting before enrolling in the course.

Verify Your Enrollments

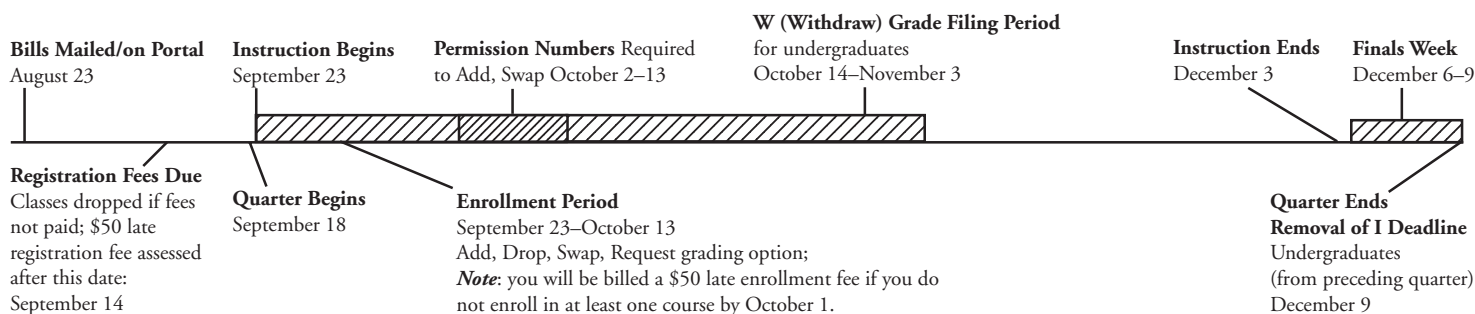
It is recommended that you verify your classes and grade options after you complete your enrollment transactions.

U.S. Ethnic Studies Courses for Fall 2004

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 125E	<i>Jazz Cultures</i>
AMST 125X	<i>Hip Hop Music Culture</i>
AMST 127A	<i>Aspects of Asian American Culture</i>
CMMU 80B	<i>Civil Rights Movement: Grassroots Change and American Society</i>
CMMU 80F	<i>Transgressive Sexualities and Genders</i>
EDUC 181	<i>Race, Class, and Culture in Education</i>
HIS 143A	<i>African American History to 1877</i>
LALS 1	<i>Introduction to Latin American and Latino Studies</i>
LALS 80F	<i>Latinos in the U.S.: A Comparative Perspective</i>
LALS 173	<i>Latin American Immigration to the U.S.</i>
LTEL 190H	<i>Picturing California: Memoir and Image</i>
LTMO 144D	<i>Jewish Writers and the American City</i>
SOCY 122C	<i>Chicanas/os and the Law</i>
SOCY 170	<i>Ethnic and Status Groups</i>
STEV 80H	<i>Rainbow Theater: An Introduction to Multicultural Theater</i>
THEA 161R	<i>Theater of American Cultures</i>

Fall 2004 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 2004–05. 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* \$30
 ART 24 *Introduction to Painting (Oil)* \$48
 ART 26 *Introduction to Printmaking* \$65
 ART 28 *Introduction to Figurative Sculpture* \$75
 ART 29 *Begin Intermedia: 3D Approaches* ... \$42
 ART 30 *Intro to Photography for Art Majors* \$65
 ART 37 *Material Metaphor I* \$42
 ART 40 *Sculpture I* \$53
 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* \$30
 ART 110 *Special Topics: Interactive Art* \$16
 ART 112 *Intaglio I* \$55
 ART 113 *Relief and Intaglio Printmaking II* . \$55
 ART 114 *Lithography I* \$55
 ART 115 *Lithography II* \$65
 ART 116A-B *Sr. Studio Printmaking* \$65
 ART 117 *Special Topics in Printmaking* \$65
 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* \$60
 ART 126 *Art of Bookmaking* \$55
 ART 130 *Intermediate Photography* \$65
 ART 131 *Advanced Photography* \$65
 ART 132 *Color in Photography* \$75
 ART 133A-B *Sr. Studio in Photography* \$65
 ART 134 *Special Topics in Photography* \$70
 ART 135 *Intro Digital Photography* \$50
 ART 136 *Adv Digital Photography* \$50
 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 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* .. \$25
 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 121L *Micropro Syst Design Lab* .. \$105–\$180
 CMPE 123A *Engineering Design Project I* . \$10–\$100
 CMPE 123B *Engineering Design Project II* \$10–\$100
 CMPE 125L *Logic Design w/ Verilog Lab* . \$10–\$100
 CMPE 126L *Advanced Logic Design Lab* \$0–\$40
 CMPE 127 *Computer-Aided Synthesis of VLSI Circuits* \$0–\$40
 CMPE 151 *Network Administration* \$10–\$40
 CMPE 163L *Multimedia Processing/Applications Laboratory* \$10–\$100

CMPE 172L *Linear/Non-Linear Circuits* 25–\$210
 CMPE 173L *Hi Speed Dig Design Lab* \$25–\$210

Earth Sciences

EART 5 *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 *Magmas 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* .. \$10–\$100
 EE 123B *Engineering Design Project II* . \$10–\$100
 EE 125 *Electrical Eng Hardware Design I* \$10–\$40
 EE 126 *Electrical Eng Hardware Design II* . \$10–\$80
 EE 130L *Intro to Optoelectronics Lab* \$0–\$40
 EE 135L *Electromagnetic Flds & Waves Lab* \$45
 EE 145L *Properties of Materials Lab* \$55
 EE 151 *Communications Systems* \$0–\$40
 EE 153 *Digital Signal Processing* \$0–\$40
 EE 154 *Feedback Control Systems* \$0–\$40
 EE 171L *Analog Electronics Lab* \$30
 EE 178 *Device Electronics* \$0–\$30

Engineering

For more information on fees for School of Engineering courses, see the web site at www.soe.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. Contact the Film and Digital Media Department for more information.

FILM 20A *The Film Experience* \$15
 FILM 20B *Intro to TV Culture and Society* ... \$4
 FILM 20C *Intro to Digital Media* \$7
 FILM 20P *Intro to Production Technique* \$15
 FILM 80A *Technothrillers* \$4–\$5
 FILM 120 *Intro to Film Theory & Criticism* \$10–\$15
 FILM 130 *Silent Cinema* \$20
 FILM 132A-B *International Cinema to 1960* \$20
 FILM 132C *Gender and Global Cinema* \$15

Continued on next page

COURSES WITH FEES

FILM 134A <i>American Film, 1930–1960</i>	\$20	PHYE 9D <i>Boating: Adv Sailing: Dinghy</i>	\$45
FILM 134B <i>American Film, 1960–Present</i> ...	\$20	PHYE 9D <i>Boating: Adv Sailing: Keelboat</i>	\$50
FILM 136A <i>Experimental Film and Video</i> ...	\$20	PHYE 9J <i>Boating: Basic & Intermed Rowing</i>	\$40
FILM 136B <i>History of Television</i>	\$15	PHYE 15N <i>Court Sports: Tennis</i>	\$8
FILM 136C <i>Visual Culture and Technology</i> .	\$20	PHYE 20A <i>Dance: Ballet</i>	\$15
FILM 142 <i>Beyond Cybernetics: Adv Topics in New Media Technologies</i>	\$15	PHYE 20C <i>Dance: Jazz</i>	\$10
FILM 160 <i>Film Genres</i>	\$20	PHYE 20D <i>Dance: Modern</i>	\$15
FILM 161 <i>Documentary Film and Video</i>	\$20	PHYE 25A <i>Fencing: Épée</i>	\$10
FILM 162 <i>Film Authors</i>	\$20	PHYE 25B <i>Fencing: Foil</i>	\$10
FILM 165A <i>Film, Video, and Gender</i>	\$20	PHYE 25C <i>Fencing: Sabre</i>	\$10
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 Productn</i>	\$20		
FILM 197 <i>Sr. Digital Media Workshop</i>	\$20		
FILM 283 <i>New Media Art and Digital Culture</i>	\$20		

Music

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 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 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

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>	\$15
THEA 32 <i>Introduction to Ballet</i>	\$15
THEA 33 <i>Advanced Intro Modern Dance</i>	\$15
THEA 36 <i>Introduction to Dance Composition</i>	\$15
THEA 80Y <i>The Broadway Musical</i>	\$15
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>	\$15
THEA 130 <i>Intermediate Modern Dance Theory and Technique</i>	\$15
THEA 131 <i>Advanced Modern Dance Theory and Technique</i>	\$15
THEA 132 <i>Modern Dance Studio</i>	\$15
THEA 135 <i>Dance Improvisation and Theory</i> ..	\$15
THEA 136 <i>Intermediate Ballet</i>	\$15
THEA 137 <i>Studies in Performance (Dance)</i> ..	\$15
THEA 139 <i>Random: With a Purpose</i>	\$15
THEA 161V <i>The Broadway Musical</i>	\$15

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)

* 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 Student Information System and to locate and maintain your records.

Check out our web site at www2.ucsc.edu/accts-rec.

REGISTRATION PAYMENT INFORMATION

Registration Fee Payment

For undergraduate students, the deadline to pay fall 2004 registration fees is Tuesday, September 14. Your classes will be dropped, and you will be assessed a \$50 late registration fee if your payment is not received by the UCSC cashier by 4 P.M. on the due date. Postmarks are not used to validate on-time payments.

For graduate students, the deadline is Friday, October 1.

Plan Ahead

In advance of receipt of your fall quarter billing statement, prepare for the September 14 deadline by checking (and updating) your mailing address on the Student Portal, paying off any campus debts, submitting all documents requested by the Financial Aid Office, or signing up for the Deferred Payment Plan. If applicable, apply for the Part-Time Program; or petition for change of residency status (see reg.ucsc.edu); or submit a waiver from the university's health insurance (see www2.ucsc.edu/healthcenter).

Billing Methods

A paper billing statement for fall charges will be printed from AIS, the new Academic Information System.

Students who have campus debts from Summer Session (or earlier) will also receive a separate billing statement from SIS, the old Student Information System.

The statement with fall charges will be viewable on the Student Portal, and it will update to reflect payments you make; additional financial aid, loans, or scholarships received; or new charges.

Take time to familiarize yourself with the new billing format!

If you do not receive a paper Statement of Account, you are still responsible for meeting payment deadlines. Prior statements cannot be reproduced, but you can see a copy of your most recent statement on the Student Portal at students.ucsc.edu. If you have questions about your fees, call the Office of the Registrar at (831) 459-4412; or e-mail registrar@ucsc.edu. Questions about making the payment are answered by Student Business Services at (831) 459-2107 and (831) 459-2519 or oarinfo@ucsc.edu.

Payment of Fees

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 Statement of Account.

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 14, 2004. 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 on the due date. Payments can be made up until 4 P.M. through the cashier's window or up until 3 P.M. through the cashier's depository (located on the north wall in the Hahn Building); all payments received after 4 P.M. are subject to late fees. The campus does not accept credit cards for payment.

Graduate students will be assessed the \$50 late fee if fees are not paid by October 1, 2004. Graduate student enrollments are not dropped for nonpayment.

See Course Fees, page 21, for information about course fees.

See Withdrawal during a Quarter, page 25, 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. You may not enroll for the next quarter 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 October 1, you will be assessed both the \$50 late registration fee and the \$50 late enrollment fee. October 13 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, 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) 459-2519, or at oarinfo@ucsc.edu. See the DPP Application on page 26.

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 2004, petition for change of residence status at the Office of the Registrar prior to paying registration fees. Petitions must be filed before fall 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 the 2003–04 academic year, the undergraduate insurance fee was \$177 per quarter; graduate students paid \$504 per quarter. Rates are expected to increase for 2004–05.

Breakdown of Registration Fees

The fees for fall 2004 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	\$ 238.00	\$ 238.00
Educational Fee	1,657.00	1,852.00
Campus Fees	<u>257.35</u>	<u>242.75</u>
Total (residents)	\$ 2,152.35	\$ 2,332.75
Nonresident Tuition	<u>5,492.00</u>	<u>4,898.00</u>
Educational Fee Differential	160.00	82.00
Total (nonresidents)	\$ 7,804.35	\$ 7,312.75

REGISTRATION INFORMATION

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 2004 is October 13.

For information regarding the Part-Time Program, check reg.ucsc.edu; or call the Office of the Registrar at 459-4412 before the deadline listed in the calendar in this schedule.

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 UCSC Statement of Account.

Log on to the Student Portal before the registration deadline to determine why your aid is being held and what you must do to receive your aid so that you will not be dropped from the classes in which you enrolled. You may also 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 UCSC Statement of Account.

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. You must enroll in at least 6 units to receive these funds. Students enrolled in less than 6 units are generally not eligible to receive financial aid, although some students may qualify to receive a partial Pell Grant. 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 of Financial Aid Refunds

Financial aid refunds are offered via Electronic Funds Transfer (EFT) or mail only. Sign up for EFT to have your financial aid refunds directly deposited into your

personal bank account. EFT assures that students receive their financial aid in the most efficient and direct manner. Notification of direct deposit will be sent to the student's college box. Students are asked to complete an EFT authorization form (see page 23 for a copy of the EFT form) and return it to the Office of Student Business Services (203 Hahn Student Services Building) by September 20, 2004, to guarantee that the EFT will be set up in time for the first disbursement of fall quarter 2004. If EFT has not been authorized, a check will be generated and mailed to the student's local address. Applications are accepted throughout the year at the Office of Student Business Services.

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 registration 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 27). 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 2 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, 2004. 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 459-2519 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 the address indicated on the withdrawal petition.

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.

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 reentering 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 frosh receiving federal financial aid who withdraw during their first quarter. For more information, contact the Office of the Registrar, 459-4412.

REGISTRATION INFORMATION

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 CATS Information Resource Center to avoid account closure. The application fee is nonrefundable and nontransferable.

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

Readmission

You are encouraged to file your application for readmission as soon as possible and no later than the date in the Academic and Administrative

Calendar. The registration fee payment procedure for readmitted students is the same as for continuing students. If you do not get a bill for registration fees, contact the Office of the Registrar at 459-4412 before the fee payment deadline. You are expected to meet the registration deadline.

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 Student Information System and to locate and maintain your records.

Contact our office to determine the amount of your first payment at (831) 459-2519 or 459-2107, or e-mail us at oarinfo@ucsc.edu.

Fax your application to (831) 459-3918.

For more information about DPP, check out our web site at www2.ucsc.edu/accts-rec/dpp.htm#application.

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>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>	<p>② There is no limit on the number of credits graded Pass/No Pass which may be applied toward graduation.</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.

Pass/No Pass Only Courses

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
Earth Sciences 190
Economics 93, 191, 193, 193F, 198, 198F
Environmental Studies 83, 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
Theater Arts 45
Writing 10A-B-C, 11A-B-C, 20, 21, 22, 180, 191D

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 by Web and Phone

You may access your grades for any quarter via the Student 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 quarters) 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 each credit course in which they enroll.

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 insure 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 UCSC Student 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.

College address (fall, winter, spring quarters):

This address is assigned by your college. The Financial Aid Office uses this address as a secondary address for mailings to students who do not have a local address or whose mail is returned.

Please remember you must separately register a forwarding address with your college for your United States Postal Service (USPS) mail to be forwarded. Colleges can forward USPS mail for a period of one year in case of graduation or leave of absence.

Local (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. Other mailings to this address may include credit balance refunds and general mailings from campus units. The Financial Aid Office uses this address as the primary address for all mailings.
- 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 local address updated during the summer, so you do not miss important communications and deadlines. Students in residence for the summer should check at their place of residence (college, the Village, the UCSC Inn, or University Town Center [UTC]) for specific summer mail policies.

Please remember you must separately register a forwarding address with your college for your USPS mail to be forwarded. Colleges can forward USPS mail for a period of one year in the case of graduation or a leave of absence.

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; and, 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.

A Release of Information (ROI) allows the Student Business Services office to discuss your Statement of Account with whomever you authorize. No specific information regarding financial activity will be released to or discussed with a third party, including parents, without the consent of the student. The ROI applies only to the Statement of Account and does not release you from financial responsibility.

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.

Announcing Candidacy to Graduate

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.

GENERAL INFORMATION

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 advanced 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.

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 **UCSC 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, portal, and other services. Your UCSC Identity is

assigned when you enroll for classes, before you come to campus in the fall quarter. There is no cost for your UCSC 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, or at a café with an ocean view 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. See <http://cruznet.ucsc.edu>.
- 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 that includes technical support (by phone or room visits when necessary) provided by ResNet staff. See <http://resnet.ucsc.edu>.
- 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. Most labs have wireless service also. See <http://ic.ucsc.edu>.

Purchasing a Computer?

If you are planning on buying a new computer, and using it for at least four years while on campus, UCSC recommends purchasing a **laptop with both wired and wireless network capability**. This year, 98 percent of UCSC on-campus students have a personally owned computer in his/her residential housing room. Laptops are owned by 45 percent of students, and the percentage is rising.

An excellent source for purchasing computers and computer products is the university's Bay Tree Bookstore, right on campus (<http://slugstore.ucsc.edu>; phone: (831) 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 pick-up 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 OS X 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 to use for backing up files. In general, if you are 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 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 OS X. 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 900MHz instead.

For more recommendations on computer hardware and software, please visit the ResNet web site at <http://resnet.ucsc.edu>.

Your UCSC Identity Account and Cruzmail

To use the computing and networking resources at UCSC, you must first activate your UCSC Identity that was assigned when you enrolled for your first quarter at UCSC. You can activate your UCSC Identity by following the instructions at <https://webmaint.ucsc.edu/cats/cgi-bin/register.pl>, or receive assistance in any staffed instructional computing lab. See <http://ic.ucsc.edu/labs/>.

All students should activate a UCSC Identity account even if they use another e-mail address. A UCSC account is an online ID that gives access to secure online resources. Faculty expect students to have a UCSC account to receive class information.

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CruzMail is web mail service for UCSC accounts. Students can access their UCSC e-mail by opening a web browser and going to <http://cruzmail.ucsc.edu/>. E-mail may be stored and managed on the CruzMail server.

Cruznet Wireless, Ethernet, Modem, and Phone Access

CruzNet Wireless Network

Wireless access to the campus network is available in many public areas across campus. See <http://cruznet.ucsc.edu> for more information. 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.

Network and Phones for Students Living on Campus

Student Communication Services (SCS) is a partnership between Housing, Dining, and Child Care Services and Communications and Technology 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 (831) 459-4638. Please check the web site at <http://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 (831) 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 your computer from off campus, you can connect via a university modem pool at no charge, but with limited connection hours per week. See <http://www2.ucsc.edu/cats/sc/services/remote.access.shtml> for more information on configuring your computer software for these options.

Security Software to Prevent Viruses and Worms

Student-owned computers coming to campus may be vulnerable or already infected with worms or viruses, and these target Windows more than other operating systems. A computer that is infected with a virus or worm can infect many others when it is connected to the network. Note that if you use the campus modem pool, you are connecting to the campus network.

The UCSC Security Team and ResNet have tools in place to identify vulnerable and infected computers. If you live on campus, contact ResNet for assistance; and if you live off campus, go to <http://security.ucsc.edu> for assistance. **Vulnerable or infected computers will be disconnected from the network.**

Computing Labs for Classes and Drop-In Access

Instructional Computing (IC) manages 15 computer labs throughout the campus. These include digital media labs in the arts and the social sciences and

Solaris Unix labs for students in the sciences and engineering. 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 <http://ic.ucsc.edu/labs/labdescriptions/arc/>). The 15 labs have over 360 computers available for students to use including PCs, Macs, and Sun workstations.

The computing labs are used like classrooms and may 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 to have academic software 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.

Technical training is available for students in the computer labs. In addition, faculty or teaching assistants can request that CATS/IC staff 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 <http://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, 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 tailor the lecture accordingly. Students must have established their UCSC account to be enrolled in WebCT courses. See more information about WebCT and other UCSC course web sites at <http://ic.ucsc.edu/docs/webct> and <http://ic.ucsc.edu/courses>.

Computing Use 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 <http://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 L of the *UCSC Student Policies and Regulations Handbook*: <http://www2.ucsc.edu/judicial/handbook.html>, and the ResNet RUP is online at <http://resnet.ucsc.edu/ResNetPolicy.shtml>.

Campus academic divisions also may 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.

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://www2.ucsc.edu/cats/sc/help/policies>. While this policies web page lists many of the university policies, it in no way is meant as an exhaustive and complete list. New regulations, policies, and procedures are constantly evolving. Also, laws, policies, or other regulations on aspects not specific to networks or computing may apply, e.g., student conduct, personnel policy or contract, sexual harassment, chain letter laws, or other regulations.
- Web pages at UCSC (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.

Need Disability Accommodations for Computing?

If you have a disability and will 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?

If you have any questions about UCSC Identity account, network access, or general computer questions, you can

- view <http://www2.ucsc.edu/cats/sc/help/intro/> for an introduction to CATS computing services, such as UCSC Identity accounts, networking, and other topics;
- view Frequently Asked Questions (FAQs) at

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<http://ic.ucsc.edu/help>, and ask questions online if your question-answer isn't there already;

- phone the Communications and Technology Services (CATS) Information Resource Center at (831) 459-4357 or 459-HELP;
- visit the Information Resource Center, 50 Communications Building. The IRC is open Monday through Friday, 8 A.M. to noon and 1 P.M. to 5 P.M. for drop-in consulting (up to 15 minutes per session).

Need a Job?

Instructional Computing has about 80 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 e-mail ic@ucsc.edu if you are interested in lab consultant and technical support specialist positions.

See <http://ic.ucsc.edu/faculty/webdev/> for information about the web developer program, and e-mail fitc@ucsc.edu if you want to apply.

The Information Resource Center hires student consultants through the UCSC Career Center. For more information, see <http://www2.ucsc.edu/careers/>.

Related Information

UCSC hosts a number of interesting and informative web pages. A useful starting place is the UCSC home page (<http://www.ucsc.edu/>). Here are other useful sites:

- Virtual Tour (on the web) of UC Santa Cruz: <http://admissions.ucsc.edu/see/virtualTour>
- Orientation in the summer for students entering in the fall: <http://admissions.ucsc.edu/orientation/index.cfm>
- Campus Portal puts an array of customized information at students' fingertips: <https://students.ucsc.edu>.
- University Library home page is a starting point for the UCSC and UC-wide library catalogs, CruzCAT, and Melvyl: <http://library.ucsc.edu>
- Campus Housing provides information on UCSC Colleges, Housing, Dining, and Child Care Services: <http://cuhs.ucsc.edu>
- Financial Aid home page: <http://www2.ucsc.edu/fin-aid/>
- Career Center help finding on-campus jobs and information about careers, student employment, and internships: <http://www2.ucsc.edu/careers>

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 2003–04 fee was \$10, but we expect an increase for 2004–05 (the fee is subject to change by action of the state legislature).

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.

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 their 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, file a Request for Nonrelease of Public Information at the Office of the Registrar by the date specified in the calendar at the front of this schedule. 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 in writing.

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 af-

fixed 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.

Student Identification Number (SID)

UCSC students have an assigned SID. See page 14.

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 expedites 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 \$15 for up to three transcripts going to the same address. The additional charge for Federal Express outside the U.S. is \$20 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.

Instructions and Transcript Request Forms are available at the Office of the Registrar or 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. In this instance, the request form will be returned to the student.

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,

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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.

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 here 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 459-2754 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 will be 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, 41 percent of students who entered UCSC as freshmen in 1991 graduated after four years, and 61 percent of those who entered in 1990 graduated after five years. In recent years, students who entered as freshmen 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.

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, (831) 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. 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, (831) 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, (831) 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, (831) 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, (831) 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, (831) 459-2089 (voice); (831) 459-4806 (TTY); or by e-mail at disable@ucsc.edu.

Alternate formats of this document—such as large-print, audiotope, braille, or electronic diskette—can be provided. Please call (831) 459-4446 for referral.

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Sexual Harassment and the Title IX Office

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 ([831] 459-2462 or rew@ucsc.edu) to receive information and advice about your options and/or to file a complaint.

ADVERTISEMENT



Physical Education Classes

Important Information!

If you are trying to enroll in a physical education class on TELESUG and the system indicates the class is full—do not despair.

Instead, come to the first day of class. There is a strong possibility that you will be able to enroll at that point.

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. The Admissions Office will provide you with a Transfer Credit Summary (TCS) Evaluation which lists the general education requirements that you have satisfied.

Brief Descriptions of General Education Codes

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* and *The Navigator*. The descriptive codes for these requirements are explained below.

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. They 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, 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.

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.

C

Composition requirement (C code): This requirement is usually fulfilled by Writing 1, *Composition and Rhetoric*, which stresses essay development. Some sections of the Stevenson Core Course also fulfill the C requirement; see page 38 for a complete list of composition courses. Students must complete the University Subject A requirement before enrolling in a course which 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 Subject A requirement and satisfy the Composition requirement before enrolling in a course which satisfies the writing-intensive requirement.

A

Arts requirement (A code): This requirement was established in recognition of the differences between the humanities and the arts and of the necessity for 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 78 to identify general education courses offered in fall quarter.

Introduction 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, 5, 6
History 10, 20A, 20B, 21, 25A, 25B, 29, 30A, 30B, 30C, 32, 33, 34A, 34B, 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, 61M
Spanish Literature 60
Music 11
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

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

For general education purposes, anthropology and environmental studies courses designated IN are considered to be from the Biology Department. Transfer courses designated IN from anatomy, botany, physiology, and zoology departments are considered to be biology courses.

Applied Mathematics and Statistics 5, 7
Anthropology 1
Astronomy and Astrophysics 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18
Biology 20A, 21A, 70
Biomolecular Engineering 60
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
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, 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, 5, 7, 10, 20, 25, 43, 70, 72, 73
Psychology 1, 41, 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 (but not both); the three topical course requirements must be satisfied with three different courses. 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, 80D
Biochemistry and Molecular Biology 80A
Biology 80A, 80D, 80F, 80H, 80J, 80L, 80N, 80P
Biomolecular Engineering 80G
Chemistry and Biochemistry 80A, 80G, 80H
Computer Engineering 80N
Computer Science 80B, 80C, 80G, 80V
Crown College 80S
Earth Sciences 80A, 80B, 80C, 80D, 80F, 80G
Electrical Engineering 80T
Environmental Toxicology 80E
Linguistics 80G
Ocean Sciences 80A, 80B, 80C
Philosophy 80G
Physics 80A

T3—Social Sciences

Anthropology 80B, 80C, 80D, 80F, 80I, 80J, 80K, 80L, 80O, 80P, 80Y
College Eight 80
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, 80I, 80M, 80N, 80Q
Merrill College 80, 80B, 80X
Politics 80T
Psychology 80A, 80B, 80E
Sociology 80E, 80I, 80Z

T4—Humanities and Arts

Art 80A, 80C, 80D
Cowell College 80, 80S
Film and Digital Media 80B, 80C, 80D
Hebrew 80
History 80K, 80W, 80Y
History of Consciousness 80A, 80B, 80E, 80L
Kresge College 80B
Language Program 80D, 80E
Linguistics 80B, 80V
Literature 80I, 80L, 80M, 80Z
Merrill College 80Y
Music 80A, 80B, 80D, 80E, 80F, 80G, 80H, 80J, 80K, 80M, 80N, 80P, 80Q, 80S, 80T, 80V, 80W, 80X, 80Y
Philosophy 80D, 80H, 80T
Porter College 80, 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 80S

T5—Humanities and Arts or Social Sciences

American Studies 80C, 80D, 80E, 80F, 80G
Economics 80J
Film and Digital Media 80A
History 80M
History of Art and Visual Culture 80A, 80B, 80D, 80E, 80F, 80G, 80K, 80L, 80M, 80N, 80P, 80Q, 80S, 80T, 80V
History of Consciousness 80C, 80F, 80J, 80K, 80O, 80Q, 80Y
Kresge College 80, 80H, 80T
Latin American and Latino Studies 80X
Linguistics 80C, 80D
Merrill College 80C
Oakes College 80
Philosophy 80L
Stevenson College 80A-B-C, 80T
Women's Studies 80Y

T6—Natural Sciences or Humanities and Arts

Art 80F
Computer Engineering 80E
Crown College 80, 80H
Music 80C, 80L, 80R
Philosophy 80S
Physics 80D
Porter College 80B

T7—Natural Sciences or Social Sciences

Environmental Studies 80A, 80B
Information Systems Management 80A, 80B, 80C
Physics 80C

GENERAL EDUCATION REQUIREMENTS

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

Applied Mathematics and Statistics 3, 5, 7, 11A, 113

Astronomy and Astrophysics 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18, 80A, 80B, 118

Biology 186

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

Economics 11A, 11B, 113

Environmental Toxicology 80E

Information Systems Management 80A, 80B, 80C

Mathematics 3, 11A, 11B, 19A, 19B, 21, 110

Ocean Sciences 1

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 (5 credits)

Merrill College 80Z

Stevenson College 80B-C (for specific sections)

Writing 1

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

American Studies 100, 105A

Anthropology 150, 152, 170, 172, 194A, 194B, 194C, 194E, 194F, 194G, 194H, 194I, 194J, 194K, 194M, 194N, 194O, 194P, 194Q, 194R, 194S, 194V, 194X

Biology 141L, 165A, 169L

Chemistry and Biochemistry 122

Community Studies 121, 194

Computer Engineering 185

Crown College 123

Earth Sciences 120

Economics 106, 107, 128, 142, 165, 183, 184, 195

Environmental Studies 100L (concurrent enrollment in 100 required), 104A, 129, 140, 149, 156, 157, 172

Environmental Toxicology 151

Film and Digital Media 120, 150, 194B, 194C, 194D, 196B

History 194C, 194D, 194E, 194J, 194M, 194O, 194Q, 194R, 194U, 194V, 194W, 194X, 194Y, 195B, 196A, 196B, 196D, 196F, 196G, 196H, 196I, 196K, 196M, 196N, 196R, 196S, 196Y, 196Z

History of Art and Visual Culture 100A

Information Systems Management 158

Kresge College 80T

Latin American and Latino Studies 100B, 195A

Legal Studies 128, 149, 183, 196

Linguistics 52, 55, 101, 113

Literature 1, 101

Music 180B

Philosophy 120, 190M

Physics 195A-B (A: 3 credits; B: 2 credits)

Politics 100

Psychology 100C, 100K, 100L, 100N, 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, 104, 110A, 161, 161A, 163, 165, 166A, 166B, 166D, 167

Courses with W Code for Specific Sections

History of Art and Visual Culture 125, 164

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.

Art 10G, 10H, 20, 21, 22, 23, 24, 26, 28, 30, 40, 60, 70, 80A, 80C, 80D, 80F, 102, 107, 109, 112, 113, 114, 118, 119, 123, 126, 135, 136, 141, 150B, 152

Cowell College 21, 22, 70

Film and Digital Media 20A, 20B, 20C, 20P, 80A, 80B, 80C, 80D, 132A, 132B, 136A, 136B, 151, 160, 165A, 170A, 170B, 176, 185D

History of Art and Visual Culture 10D, 10E, 10F, 10G, 80A, 80B, 80D, 80E, 80F, 80G, 80K, 80L, 80M, 80N, 80P, 80Q, 80S, 80T, 80V, 100A, 100E, 105E, 105H, 105K, 105P, 105U, 106A, 106B, 106D, 107A, 107B, 110A, 110B, 114, 115, 120A, 121A, 121C, 121D, 124, 125, 127, 129, 131, 136, 137, 138, 139, 140, 140A, 141, 147, 149A, 150A, 151A, 153, 154A, 154B, 155, 159B, 160, 161, 163A, 164, 165A, 165B, 166C, 167, 168, 169, 170, 171, 173, 174B, 175, 176, 177, 180, 181, 182, 185A, 185B, 189A, 189N, 189O, 189Q, 189U, 189V, 189W, 190A, 190B, 190C, 190D, 190F, 190G, 190H, 190J, 190K, 190L, 190M, 190N, 190O, 190P, 190Q, 190R, 190S, 190T, 190U, 190W, 191A, 191C, 191D, 191E, 191F, 191G, 191H, 191I, 191J, 191K, 191M, 191P

Kresge College 80B

Latin American and Latino Studies 110A, 110B, 151A, 194W

Literature/Creative Writing 10, 52, 53, 170, 180, 183

Music 1A, 1C, 2, 3, 4A, 4B, 5A, 5B, 5C, 8, 9, 11, 51, 54, 75, 80A, 80B, 80C, 80D, 80E, 80F, 80G, 80H, 80J, 80K, 80L, 80M, 80N, 80P, 80Q, 80R, 80S, 80T, 80V, 80W, 80X, 80Y, 159A, 159B, 160, 166, 170, 180A, 180B

Philosophy 152

Porter College 14, 20A, 20B, 20C, 20D, 21A, 21C, 22, 22A, 22F, 23A, 23B, 23C, 28, 30, 32A, 33, 33A, 34B, 35, 35A, 38B, 39, 80E, 80G, 120, 121, 121C, 121D

Theater Arts 10, 12, 14, 17, 18, 19, 20, 21, 22, 23, 30, 31, 32, 33, 35, 36, 40, 50, 60A, 60B, 60C, 80B, 80E, 80G, 80H, 80L, 80M, 80N, 80O, 80S, 80T, 80U, 80V, 80W, 80X, 80Y, 80Z, 104, 105, 110, 113, 114, 115, 116A, 116B, 117, 118, 119, 121, 122, 124, 126, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 142, 151, 155, 157, 159, 160, 161C, 161D, 161M, 161Q, 161R, 161S, 161T, 161U, 161V, 163A, 163E, 163G, 193, 193F

Women's Studies 80S, 138

U.S. Ethnic Minorities/Non-Western Society Courses (E code)—One course required (5 credits)

American Studies 1, 2, 80C, 80D, 80E, 101, 121C, 123F, 123H, 123M, 123T, 123X, 123Z, 125A, 125E, 125G, 125X, 126B, 127A, 127D, 127E, 127F, 127K, 190H

Anthropology 80B, 80D, 80G, 80I, 80P, 130A, 130B, 130C, 130D, 130E, 130G, 130H, 130I, 130K, 130L, 130N, 130Q, 130S, 130U

Art 150B

Community Studies 80A, 80B, 80F, 80H, 80Q, 100A, 100E, 100J, 100P, 100R, 114, 126, 134, 136

Economics 120, 128

Education 92C, 128, 140, 141, 151, 155, 164, 175, 181

Film and Digital Media 132C, 162A, 163, 165B, 165D, 185B, 185E

History 29, 34B, 37, 39, 40, 46, 50, 80W, 80Y, 110, 121A, 121B, 141, 141A, 141B, 143A, 143B, 144, 145, 149, 150C, 151, 152, 155, 156A, 156B, 157, 158, 159C, 169, 170, 171A, 175B, 177, 186, 194J, 194M, 194O, 194U, 194V, 194W, 196B, 196D, 196H, 196Y

History of Art and Visual Culture 10E, 80B, 80F, 80G, 80M, 80N, 80P, 80T, 100E, 105E, 105P, 106A, 107A, 107B, 121C, 121D, 139, 151A, 155, 160, 161, 182, 185A, 185B, 189U, 190B, 190C, 190L, 190O, 190R, 190U, 191C, 191F, 191P

History of Consciousness 80F, 80Y, 118, 125, 127

Kresge College 80B

Language Program 80E

Latin American and Latino Studies 1, 80A, 80B, 80C, 80D, 80F, 80G, 80H, 80I, 80M, 80N, 80Q, 80X, 100A, 100B, 101, 111, 112, 120, 123A, 123B, 125, 126A, 126B, 127, 129, 140, 142A, 142B, 143, 144, 145, 146, 147, 148, 150, 151A, 160, 165, 166, 167, 168, 169, 170, 173, 175, 176, 177, 178, 179D, 180, 194C, 194D, 194E, 194G, 194J, 194K, 194M, 194N, 195A

Legal Studies 127, 128, 136

Literature 61E, 80L

English-Language Literatures 103I, 150A, 150B, 155D, 160E, 190D, 190G, 190H

French Literature 134

Modern Literary Studies 125D, 125L, 144A, 144B, 144D, 144G, 152D, 180F

Spanish Literature 60, 130D, 130E, 131H, 134C, 134G

World Literature and Cultural Studies 109, 123, 124, 135, 136, 140, 190A, 190B, 190E

Merrill College 80, 80X

Music 80A, 80B, 80D, 80E, 80F, 80Q, 80X, 180A, 180B

Oakes College 80

Politics 127, 140C, 140D, 140E, 141, 156

Porter College 80, 80H

Psychology 100D, 100G, 113, 143, 157A, 158

Sociology 15, 20, 80I, 122C, 133, 162, 169, 170, 174, 175, 188

Stevenson College 80C, 80H, 80T

Theater Arts 22, 80M, 161D, 161R

Women's Studies 1B, 80Y, 102, 110, 132, 138, 139, 145, 151A, 154, 155

Fall 2004 Course Descriptions

The following course descriptions are for fall quarter 2004. Descriptions for individual studies courses are not included in these listings. Please contact the course sponsoring agencies for additional information.

College Eight

42B. SDS: Ecopsychology and Social Change.

Ecopsychology and social change in an interdisciplinary course studying the nature of our relationship to the environment and its implication for personal and social healing. Core idea holds these two as inseparable and interconnected, as is all life. Interview only: submit short essay describing interest in course. Enrollment limited to 20.

80. Environment and Society (College Eight Core Course).

Examines education, identity, nature, community, livelihood, and livability at local and national levels as contemporary global transformations affect them. The Core Course is required of all new College Eight students with fewer than 45 transfer credits. Enrollment restricted to first-year College Eight members. (General Education Code(s): T3-Social Sciences.)

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. International and Global Perspectives: A Writing and Discussion Seminar.

Addresses contemporary issues in the world including cultural practices, international and interethnic conflicts, human rights, and global economics. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): concurrent enrollment in Writing 10 required. Enrollment restricted to first-year College Nine members who have *not* passed Subject A. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

80B. International and Global Perspectives: A Writing and Discussion Seminar.

Addresses contemporary issues in the world including cultural practices, international and interethnic conflicts, human rights, and global economics. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): passed Subject A. Enrollment restricted to first-year College Nine members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

80H. International and Global Perspectives: A Writing and Discussion Seminar (Honors Section).

Addresses contemporary issues in the world including cultural practices, international and interethnic conflicts, human rights, global economics, and ecology. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): permission of instructor; first-year College Nine students selected for this honors version of first-quarter seminar on basis of application submitted prior to fall quarter;

satisfaction of Subject A requirement. Enrollment restricted to first-year College Nine members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

College Ten

80A. Social Justice and Community: A Writing and Discussion Seminar.

Examines issues of social justice including poverty and discrimination. Possible community and governmental strategies for action also considered. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): concurrent enrollment in Writing 10 required. Enrollment restricted to first-year College Ten students who have *not* passed Subject A. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

80B. Social Justice and Community: A Writing and Discussion Seminar.

Examines issues of social justice including poverty and discrimination. Possible community and governmental strategies for action also considered. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): passed Subject A. Enrollment restricted to first-year College Ten members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

80H. Social Justice and Community: Writing and Discussion Seminar (Honors Section).

Examines issues of social justice including poverty and discrimination. Possible community and governmental strategies for action also considered. Taught in small seminar with emphasis on discussion and developing writing skills. Prerequisite(s): permission of instructor; first-year College Ten students selected for this honors version of first-quarter seminar on basis of application submitted prior to fall quarter; satisfaction of Subject A requirement. Enrollment restricted to first-year College Ten members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences.)

Cowell College

70. Book Arts.

Studies in history, theory, and practice of the printer's craft. Learn typesetting, manual press operation, aspects of design, and historical processes with particular emphasis on the book arts. Taught in conjunction with course 111. Does not fulfill a requirement for the art major. (Also offered as Art 70. Students cannot receive credit for both courses.) Enrollment limited to 10. May be repeated for credit. (General Education Code(s): A.)

80. The Cowell Core Course.

Discussion of literary and philosophical texts which develop themes of humanistic study. Emphasis on critical interpretation and expression with frequent writing assignments (including at least five essays). Syllabus revised each year. Seminar groups meet together periodically for lectures, films, or performances. Enrollment restricted to first-

year college members. Enrollment limited to 20. (General Education Code(s): T4-Humanities and Arts.)

Crown College

80. Ethical Issues in Emerging Technologies: Transgenics, Clones, Cyborgs, and Artificial Intelligence.

Explores emerging issues in science and technology—bioengineering, information systems, artificial intelligence, and animal rights—and examines ethical challenges faced as the world is regularly and cataclysmically transformed by the sciences. Prerequisite(s): satisfaction of Subject A requirements for designated sections. Enrollment restricted to first-year college members. (General Education Code(s): T6-Natural Sciences or Humanities and Arts.)

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. Enrollment limited to 40.

Kresge College

80. Cultural Intersections (Kresge Core Course).

Issues of individual responsibility within American communities are approached through two main questions: How do individuals construct their lives within the bounds of society and culture? How can society be changed by the acts of individuals? Race, class, gender, and sexuality as major building blocks of the person, society, and culture are studied through novels, films, and workshops. Enrollment limited to 20. (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

80H. Power and Representation (Kresge Honors Core Course).

Students develop research skills, analyze readings, and write essays regarding late twentieth-century U.S. culture. Prerequisite(s): honors essay applications reviewed by staff. Enrollment restricted to first-year students. Enrollment limited to 24. May be repeated for credit. (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

80T. Cultural Intersections (Kresge Core Course).

Designed primarily for incoming transfer students. Issues of individual responsibility within American communities are approached through two main questions: How do individuals construct their lives within the bounds of society and culture? How can society be changed by the acts of individuals? Race, class, gender, and sexuality as major building blocks of the person, society, and culture are studied through novels, films, and workshops. Prerequisite(s): satisfaction of the Subject A and Composition require-

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ments. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, W.)

Merrill College

80. Cultural Identities and Global Consciousness (Merrill Core Course).

Introduces students to the rapidly evolving global society. Using autobiographies, nonfiction, novels, and film, takes students into lives of ordinary people, both in the U.S. and abroad, struggling with social forces threatening to overwhelm their lives. Taught in small seminars, instructors paying close attention to students' academic progress and writing skills. (General Education Code(s): T3-Social Sciences, E.)

80X. Cultural Identities and Global Consciousness (Freshman Scholars Section: Merrill Core Course).

Introduces students to the rapidly evolving global society. Using autobiographies, nonfiction, novels, and film, takes students into lives of ordinary people, both in the U.S. and abroad, struggling with social forces threatening to overwhelm their lives. Taught in small seminars, instructors paying close attention to students' academic progress and writing skills. Prerequisite(s): Merrill College members are selected for this year-long scholars program on the basis of an application submitted prior to fall quarter. (General Education Code(s): T3-Social Sciences, 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. 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. 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.

80. Values and Change in a Diverse Society (Oakes Core Course).

Examines historical and contemporary aspects of multiculturalism in the U.S. Students explore how social inequality based on race, class, and gender occurs among all levels of society. Students encouraged to continue to address these issues after completion of course. Enrollment restricted to first-year college members. Enrollment limited to 20. (General Education Code(s): T5-Humanities and Arts or Social Sciences, E.)

85. Oakes Community Service (3 credits).

Provides an opportunity for students to do volunteer community service work in a public or private sector organization for six hours per week. Course work includes review of community service literature, skills development, oral presentations, and writing assignments. May

be repeated for credit as a two-quarter sequence. May be repeated for credit.

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.)

80. Arts in a Multicultural Society (Porter Core Course).

Investigates how cultural heritage impacts individual creativity of writers and artists in the multicultural society of California and the Pacific Rim region. Students meet with faculty member in small group tutorials and in section meetings, attend regular lecture/performance, and work with writing tutors. Emphasizes critical reading of contemporary literature, writing, and close intellectual contact with faculty and other students. Readings may vary from section to section. (General Education Code(s): T4-Humanities and Arts, E.)

80H. Arts in a Multicultural Society (Honors Section).

Investigates how cultural heritage impacts individual creativity of writers and artists in the multicultural society of California and the Pacific Rim region. Students meet with faculty member in small group tutorials and in section meetings, attend regular lecture/performance, and work with writing tutors. Emphasizes critical reading of contemporary literature, writing, and close intellectual contact with faculty and other students. Prerequisite(s): permission of instructor; first-year Porter College students selected for this honors version of first-quarter seminar on basis of application submitted prior to fall quarter; satisfaction of Subject A requirement. Enrollment restricted to first-year students. Enrollment limited to 22. (General Education Code(s): T4-Humanities and Arts, E.)

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. Arts in a Multicultural Society: Pedagogical Practicum.

Upper-division students participate in Porter Core Course, joining in seminars and leading small group sections exploring issues of creativity, multiculturalism, and heritage. Participate in weekly seminar dealing with pedagogical practice preparing students to raise issues related to texts, critical thinking, writing, and the artistic process. Enrollment limited to 16.

Stevenson College

80A. Self and Society (Stevenson Core Course).

Students learn relationship between "self" and "society" through introduction to various cultural and social heritages by study of great books. Readings range from ancient texts to the present and are representative of such thinkers as Plato, Shakespeare, Gandhi, Malcolm X, Sor Juana, Woolf, Marx, and Freud and such works as the Bible and Koran. When all three quarters are passed, satisfies the following general education require-

ments: E, T3-Social Sciences, T4-Humanities and Arts, and C for designated sections. (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

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.)

42P. Queer Theory/Star Trek.

Explores how to queer *Star Trek* through intensive reading and discussion of *Star Trek* films and books, fan culture, and slash fiction through the lenses of queer theory, film theory, feminist theories, and cultural studies. Enrollment limited to 18.

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.)

104B. U.S. Labor and the Working-Class History, 1919 to the Present.

Explores the history of work, working-class people, and the labor movement in the U.S. in global perspective with attention to race and gender dynamics and to social and cultural development of the working class and political-economic changes. (Also offered as History 104B. Students cannot receive credit for both courses.) Satisfies American History and Institutions Requirement.

109B. Science Fiction in Multicultural America.

Science fiction by authors and artists of diverse cultural backgrounds, contextualized within the political and economic conditions of the U.S. Enrollment restricted to sophomores, juniors, and seniors.

112. Immigration and Assimilation.

Examines immigration to U.S. from colonial era to present with special emphasis on issues of citizenship, social identities, and social membership.

125E. Jazz Cultures.

Explores the meaning of jazz in American culture, particularly the social and cultural forces that have produced different jazz styles and the various ways that social conflicts and ideals have been displaced onto jazz. A prior familiarity with the music itself will be helpful but is not required. (General Education Code(s): E.)

125X. Hip Hop Music Culture.

Examines hip hop music and culture since its inception and addresses the contexts for its emergence in U.S. cities: sampling, cultural crossings, market forces, aesthetics, popular culture debates, race, culture, gender, sexuality, and class. (General Education Code(s): E.)

127A. Aspects of Asian American Culture.

Selected topics on Asian American culture, religion, music, foodways, literature, theater, film, and/or art. May be repeated for credit. (General Education Code(s): E.)

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.)

80L. Anthropology of Performance.

Introduction to performance studies and theater anthropology investigates performance traditions across cultures. Learn to connect theory and practice by relating class discussions of readings and documentary films to experiences of practical performance exercises led by instructor. (General Education Code(s): T3-Social Sciences.)

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.

130H. Ethnography of Eurasia.

Introduces students to the ethnography of Eurasia, with special attention to the lived experience and legacy of state socialism in this region. Topics include new ideas of personhood, changing economic practices, public health, and international development. (General Education Code(s): E.)

130Q. Mejicanos in Anthropological Discourse.

Provides students with an opportunity to critically analyze various ethnographic accounts of Mexican communities on both sides of the border. Uncovers how anthropologists in this century have approached Mexican culture by examining the methodologies, theories, evidence, and conclusions employed and/or produced in these works. (General Education Code(s): E.)

130X. Special Topics in Ethnography.

This course on special topics in ethnography will be taught on a rotating basis by various faculty members. Precise focus of each year's courses will vary according to the instructor and will be announced by the department. May be repeated for credit.

131. Women in Cross-Cultural Perspective.

Examines the diversity of women's as well as men's roles, experiences, and self-conceptions in a number of societies to explore how women and men shape, and are shaped by, particular forms of social life. Prerequisite(s): course 2. Offered in Alternate Years.

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.

138. Political Anthropology.

The ideas, in selected non-Western societies, about the

nature of power, order, social cohesion, and the political organization of these societies. (Also offered as Legal Studies 118. Students cannot receive credit for both courses.) Offered in alternate years.

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 Subject A and Composition requirements. Enrollment restricted to sophomores and juniors. (General Education Code(s): W.)

165. Anthropological Folklore.

Survey of the major forms of folklore with emphasis upon games, humor, superstitions, and folk-narratives (myth, legend, and folktales). Addresses methodological issues in folklore and theoretical approaches to the study of folklore. Prerequisite(s): course 2. Offered in Alternate Years.

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 Subject A and Composition requirements. Recommended for juniors. Offered in alternate years. (General Education Code(s): W.)

177. European Conquest of the Americas.

Uses ethnographic, archaeological, and historical sources to examine the clash of cultures between Native Americans and Europeans during the fifteenth through nineteenth centuries. Focuses on the social, political, and demographic impacts of contact on Native American societies. Prerequisite(s): courses 2 and 3.

184. Zooarchaeology.

Lectures and seminar on archaeological faunal analysis. Topics include mammalian evolution and osteology, vertebrate taphonomy, reconstruction of human diet from faunal remains, foraging strategy theory, data collection and management, and methods of quantitative analysis. Students cannot receive credit for this course and course 284. Prerequisite(s): course 3.

194C. Food and Medicine.

Critically examines intersections of food, medicine, and culture. Special attention to "studying up" of industrial food system and pharmaceutical industry. Additional focus on anthropology of food, medicine, nutrition, and consumption. Prerequisite(s): courses 1, 2, and 3; satisfaction of Subject A and Composition requirements. Enrollment restricted to senior anthropology majors. Enrollment limited to 20. (General Education Code(s): W.)

194K. Reading Ethnographies.

Explores issues in the representation of culture through reading and discussing ethnographies. Recent experimental ethnographies open topics including the relation between fieldwork and writing, textual strategies, and the politics of ethnographic writing and research. Prerequisite(s): satisfaction of the Subject A and Composition requirements; courses 1, 2, and 3. Enrollment restricted to senior anthropology majors. Enrollment limited to 20. (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 (10 credits per quarter). Enrollment restricted to anthropology graduate students. Enrollment limited to 12.

203. Forensic Anthropology.

Provides training in techniques used in identifying biological profile from the skeleton, assessing the trauma, and estimating time since death. Impact of legal context in which these assessments are made paramount to this course. Enrollment restricted to graduate students. Enrollment limited to 10.

209. Life Histories.

Examines biological and social markers of infant to mature and aged adult stages through life history. Compares and discusses timing and pattern of life history in humans across species, with examples from contemporary and historical societies. Enrollment restricted to graduate students.

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.

229. Constructing Regions.

Discusses centrality of the idea of "regions" in studies of culture, the history of "locating" social theory, and debates about area studies. Students develop area of transregional bibliographies. Primarily for second- or third-year anthropology graduate students reading "area" literatures. Enrollment restricted to graduate students. Enrollment limited to 15.

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 Philosophy 236. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 20.

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.

284. Zooarchaeology.

Lectures and seminar on archaeological faunal analysis. Topics include mammalian evolution and osteology, vertebrate taphonomy, reconstruction of human diet from faunal remains, foraging strategy theory, data collection and management, and methods of quantitative analysis. Students cannot receive credit for this course and course 184. Will be offered in the 2004-05 academic year. Enrollment restricted to graduate students.

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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.

Applied Mathematics 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 2A, 2B, 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. (Formerly Engineering 11A.) (Also offered as Economics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 28 or above on Math Placement Exam. Students who do not place into precalculus should enroll in Math 1. (General Education Code(s): Q.)

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.

221. Bayesian Decision Theory.

Explores conceptual and theoretical bases of statistical decision making under uncertainty. Focuses on axiomatic foundations of expected utility, elicitation of subjective probabilities and utilities, and the value of information and modern computational methods for decision problems. Prerequisite(s): course 206. Enrollment restricted to graduate students.

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 his-

tory 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.)

40. Sculpture I.

Introduction to a range of concepts and forms used to make contemporary sculpture. Assignments facilitate becoming familiar with sculptural techniques and materials to enable students to visually manifest their sculptural ideas. Combines lectures and demonstrations with work time in class. Students are billed 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.)

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. Enrollment restricted to junior transfer art majors. Enrollment limited to 20. (General Education Code(s): A.)

70. Book Arts.

Studies in history, theory, and practice of the printer's craft. Learn typesetting, manual press operation, aspects of design, and historical processes with particular emphasis on the book arts. Taught in conjunction with course 111. Does not fulfill a requirement for the art major. (Also offered as Cowell College 70. Students cannot receive credit for both courses.) Enrollment lim-

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ited to 10. May be repeated for credit. (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 restricted to pre-art and art majors during priority enrollment. Enrollment limited to 140. (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. See the Art Department bulletin board for course content. 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.

104. Special Topics in Painting.

Special studies in painting as announced. 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.

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. Stu-

dents 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.)

118. Computer Art: Theories, Methods, and Practices.

Examines computer interactivity and interface in art making through theory and practice. Students develop interactive installation and sculptural works of art. Assignments may include the acquisition and creation of digital images, two-dimensional animation, programming with MAX/MSP/Jitter, basic electronics and sensors, and digital video and audio. Discussions, readings, and critiques address content, aesthetics, concepts, and expression as well as a practical grasp of relevant software. Students are encouraged to develop research projects and explore experimental practices. Students are billed for a materials fee. Prerequisite(s): course 21 or 22 or 109 or prior basic programming experience and permission of instructor. 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. May be repeated once for credit. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20.

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.)

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 10. 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, 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.)

146. Special Topics in Intermedia/Sculpture: Conceptual and Process-Oriented Approaches.

Special subjects to be offered by regular staff or visiting artists as announced. Students are billed for a materials fee. (Formerly *Intermedia, Special Topics*.) Prerequisite(s): one of the following courses: 23, 28, 29, or 40. Enrollment restricted to junior and senior art majors. Enrollment limited to 20. May be repeated for credit.

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.)

4. Introductory Astronomy: The Stars.

Stellar evolution: observed properties of stars, internal structure of stars, stages of a star's life including stellar births, white dwarfs, supernovae, pulsars, neutron stars, and black holes. Planet and constellation identification. Intended for nonscience majors. Courses 3, 4, and 5 are independent and may be taken separately or sequentially. (General Education Code(s): IN, Q.)

18. Planets and Planetary Systems.

Overview of our solar system and those recently discovered around nearby stars. Topics include formation of planets, structure of planets, moons and rings, asteroids and comets, ground-based and space-based observations, and physical processes. Prerequisite(s): completion of high school algebra and physics recommended; course intended 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.

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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.

204A. Physics of Astrophysics I.

Lagrangian and Hamiltonian dynamics, perturbation theory, action angle variables, classical field, elasticity, kinetic theory, statistical mechanics, quantum mechanics, density matrix, quantum field theory, equation of state. Enrollment restricted to graduate students. Offered in alternate 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.

212. Dynamical Astronomy.

Surveys dynamical processes in astrophysical systems on scales ranging from the planetary to the cosmological, stability and evolution of planetary orbits, scattering processes and the few-body problem, processes in stellar clusters, spiral structure and galactic dynamics, galactic collisions, and evolution of large-scale structure. Enrollment restricted to graduate students.

220A. Stellar Structure and Evolution.

Survey of stellar structure and evolution. Physical properties of stellar material. Convective and radiative energy transport. Stellar models and evolutionary tracks through all phases. Comparison with observations. Enrollment restricted to graduate students.

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. Orga-

nized 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.

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): courses 20A and 20B; satisfaction of the Subject A and Composition requirements for writing-intensive sections. 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 techniques, 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. Offered in alternate years. (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.

100L. Biochemistry Laboratory.

Basic techniques and principles of laboratory biochemistry including isolation and characterization of a natural product, manipulation of proteins and nucleic acids to demonstrate basic physical and chemical properties; and characterization of enzyme substrate interactions. Students are billed for a materials fee. Prerequisite(s): course 100 (may enroll concurrently). Enrollment limited to 20.

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.

105L. Eukaryotic Genetics Laboratory.

Classical and newly developed molecular-genetic techniques used to explore genetic variation in wild populations of the fruit fly *Drosophila melanogaster*. Topics include Mendelian fundamentals, mapping, design of genetic screens, bio-informatic and database analysis, genetic enhancers, and population genetics. Students are billed for a materials fee. (Formerly *Genetics Laboratory*.) Prerequisite(s): course 105; course 100 or Biochemistry and Molecular Biology 100A recommended.

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.

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.

128. Advanced Cellular and Developmental Neurobiology.

Emphasizes comparative studies in both invertebrate and vertebrate nervous systems to provide rigorous, first hand knowledge in neural development. Specific topics include neurogenesis, fate determination, migration, axonal guidance, and synaptogenesis. Students must participate actively in lectures and discussions. Students cannot receive credit for this course and course 228. Prerequisite(s): permission of instructor; students need a solid background in molecular, cellular, and developmental biology. Enrollment limited to 10.

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.

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.

162A. Marine Ecology Field Quarter: Marine Ecology with Laboratory.

Total immersion in marine ecology for very motivated students. Students develop a research project during first five weeks on campus and then spend five weeks of immersion in directed research without distraction in isolated locations off campus (past locations include the Gulf of California in Mexico and Moorea in French Polynesia). Not available through University Extension. No other courses may be taken during this quarter. Students must sign a contract agreeing to standards of behavior outlined in the *UCSC Rule Book* and by the instructors. Students are billed for a materials, transportation (not airfare), and room and board fee. Paradigms and designs in marine ecology. A review of the paradigms that have shaped our understanding of marine ecology and analysis and discussion of experiments with these paradigms. Students carry out a complete research project, including the formation of hypotheses; the design and implementation of experiments; the collection, analysis, and interpretation of data; and the write-up and oral presentation of results. Prerequisite(s): by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly *Marine*

Ecology with Laboratory.) Enrollment limited to 26. Offered in Alternate Years.

162B. Marine Ecology Field Quarter: Ichthyology with Laboratory.

An introduction to the biology of jawless, cartilaginous, and bony fishes—their classification, evolution, form, physiology, and ecology. Prerequisite(s): by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly *Ichthyology with Laboratory*.) Enrollment limited to 26. Offered in Alternate Years.

162C. Marine Ecology Field Quarter: Methods in Field Ecology.

Students learn quantitative methods for field experiments and surveys. Emphasis will be on marine environments, but there will also be exposure to terrestrial systems. This is the lecture component to course 162D. No text is required for this course; instead, readings from the current literature will be assigned. Students are evaluated on written independent field project proposals and class participation. Prerequisite(s): by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly *Methods in Field Ecology*.) Enrollment limited to 26. Offered in Alternate Years.

162D. Marine Ecology Field Quarter: Methods in Field Ecology Laboratory (4 credits).

This is laboratory portion of course 162C. Students carry out independent field projects under the supervision of course instructors. All work is done during the 5–6 week off-campus portion of course 162. Students are evaluated on field techniques, the final write-up of their independent field projects, and class participation. Prerequisite(s): by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly *Methods in Field Ecology Laboratory*.) Enrollment limited to 26. Offered in Alternate 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 particular 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 course 165 or 269. Prerequisite(s): course 20C or Environmental Studies 24. Course 150 is recommended. Enrollment limited to 30.

169L. Field Methods in Plant Ecology.

Hands-on exploration of the concepts and techniques of plant ecology. A combination of lab, greenhouse, and field-based exercises (irrespective of weather conditions). Statistical analysis and scientific writing. One required weekend field trip. Students cannot receive credit for this course and course 165 or 269L. Students are billed for a materials fee. Prerequisite(s): satisfaction of the Subject A and Composition requirements, course 20C or Environmental Studies 24. Concurrent enrollment in course 169 is required. Course 150 is recommended. Enrollment limited to 30. (General Education Code(s): W.)

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. Prerequisite(s): 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. Prerequisite(s): permission of instructor. Enrollment limited to 25.

187L. 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 287L. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, 20C, 20L, 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.

228. Advanced Topics in Cellular and Developmental Neurobiology.

Emphasizes comparative studies in both invertebrate and vertebrate nervous systems to provide rigorous, first-hand knowledge in neural development. Specific topics include neurogenesis, fate determination, migration, axonal guidance, and synaptogenesis. Students must participate actively in lectures and discussions. Students cannot receive credit for this course and course 128. Enrollment restricted to graduate students. Undergraduates may enroll by interview only. Enrollment limited to 15.

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 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.

269L. Field Methods in Plant Ecology Laboratory.

Hands-on exploration of the concepts and techniques of plant ecology. A combination of lab, greenhouse, and field-based exercises (irrespective of weather conditions), statistical analysis, and scientific writing. One required weekend field trip. Students cannot receive credit for this course and course 169. Concurrent enrollment in course 269 is required. Enrollment restricted to graduate students. Enrollment limited to 2.

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.

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*.

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.

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.

280H. Topics on Research into Chromatin and Transcription.

Seminar covering research into the effects of chromatin on transcription in yeast. Enrollment restricted to graduate students; undergraduates may enroll with permission of instructor. Enrollment limited to 10. May be repeated for credit.

280J. Structures of Macromolecular Complexes (2 credits).

Focuses on structure and function of the spliceosome using electron microscopy and x-ray crystallography. Participants present results from their own research and relevant journal articles. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 20. May be repeated for credit.

280K. Topics in Cell Cycle Research.

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.

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.

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.

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.

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.

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.

280V. Genetic Responses to Metal Ions.

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 detoxification is discussed. (Also offered as Environmental Toxicology 281Z. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 18. May be repeated for credit.

280W. Membrane Proteins (2 credits).

Seminar on recent research on membrane proteins, with an emphasis on ion-pumping ATPase. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 20. 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.

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

281D. Discussions in Population and Community Ecology (2 credits).

Involves readings of current papers in population and community ecology of interest to the group, as well as manuscripts and grant proposals authored by student participants. Students will lead some discussions and participate in all meetings. 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.

281G. Molecular Biology of Algae (2 credits).

An intensive seminar covering the major research being done in molecular, cellular, and evolutionary studies of algae. Recent research and publications in the field are discussed weekly. Students must participate in all reading discussions and present their own research at least once per quarter. Prerequisite(s): consent of the instructor. Enrollment restricted to graduate students. Enrollment limited to 20.

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.

281P. Topics in Plant Population Ecology.

An intensive seminar on selected topics in plant ecology and population biology. Students present results from their own research and discuss recent advances from the literature. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission from instructor. 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.

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 Environmental Toxicology 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.

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.

291A. Molecular, Cellular, and Developmental Biology Seminar (no credit).

Topics of current interest in molecular, cellular, and developmental biology are presented weekly by graduate students, faculty, and guest speakers. One course credit given in spring quarter by enrolling in course 291C. Multiple-term course; the grade and evaluation submitted for the final quarter apply to previous quarters. May be repeated for credit.

292. MCD Seminar (no credit).

Various topics by weekly guest speakers.

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

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

Biomolecular Engineering

80G. Bioethics in the Twenty-First Century: Science, Business, and Society.

Serves science and non-science majors interested in bioethics. Guest speakers and instructors lead discussions of major ethical questions having arisen from research in genetics, medicine, and industries supported by this knowledge. (Also offered as Philosophy 80G and Chemistry and Biochemistry 80G. Students cannot receive credit for all three courses.) (General Education Code(s): T2-Natural Sciences.)

100. Introduction to Bioinformatics.

Introduction to bioinformatics, 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. The emphasis is on DNA and protein sequence alignment and analysis. Prerequisite(s): Computer Science 12B or 13H; Computer Engineering 107 or Engineering 131; concurrent enrollment in course 100L required. Corequisite: Biochemistry 100A. Enrollment limited to 30.

100L. Introduction to Bioinformatics Laboratory (1 credit).

Introduction to bioinformatics, 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. The emphasis is on DNA and protein sequence alignment and analysis. Prerequisite(s): Computer Science 12B; Computer Engineering 107 or Engineering 131; concurrent enrollment in course 100 required. Corequisite: Biochemistry 100A. Enrollment limited to 30.

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.

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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.

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.

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.

80G. Bioethics in the Twenty-First Century: Science, Business, and Society.

Serves science and non-science majors interested in bioethics. Guest speakers and instructors lead discussions of major ethical questions having arisen from research in genetics, medicine, and industries supported by this knowledge. (Also offered as Philosophy 80G and Biomolecular Engineering 80G. Students cannot receive credit for all three courses.) (General Education Code(s): T2-Natural Sciences.)

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 Subject A 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.

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.

231. Enzyme Mechanisms and Kinetics.

A study of enzyme kinetics, mechanisms, and factors involved in enzymic catalysis. Lecture: 3-1/2 hours. Offered in alternate years.

240A. Kinetics and Mechanisms of Organic Reactions (3 credits).

Basic principles and methods of the kinetic study of reaction mechanisms are covered, including linear free energy relationships. Theories are examined concerning how reactions choose a mechanism.

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.

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.

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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.

290. Proseminar in Computational Chemistry.

Weekly meetings devoted to the study of computational chemistry. Topics include molecular modeling, synthesis planning, drug design, and others from current literature and research interests of the participants.

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).

Prerequisite(s): 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. Elementary Chinese (Mandarin).

Instruction in elementary spoken and written Chinese (Mandarin). Conversation, structural analysis, and an introduction to character texts. This sequence 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.

4. Intermediate Chinese (Mandarin).

Instruction in intermediate spoken and written Chinese (Mandarin). Conversation, composition, and the reading of modern texts. This sequence 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.)

80F. Transgressive Sexualities and Genders.

Historical and ethnographic examination of lesbian/gay subcultures, institutions, and politics in contemporary U.S. Topics include growth of urban gay communities, lesbian/gay people of color, family, youth, sex/gender theory, the law, and repression and resistance. General introduction to "queer studies." (Formerly *Changing Sexualities and Genders*.) (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.)

100B. Theory and Practice of Media and Social Change.

Uses case study approach to analyze use of films and videos in relation to social change movements. Students produce a video as final project. Interview only: admission determined at first class meeting. Enrollment restricted to sophomores and juniors. Concurrent enrollment in course 170 is required. Course 80L is recommended. 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. Prerequisite(s): admission determined at first class meeting. Enrollment limited to 25. (General Education Code(s): IS.)

100P. Theory and Practice of Resistance and Social Movements.

Where do ideas for democratic social change come from? How are new social movements formed? Emphasis will be placed on subaltern groups including slaves, peasants, workers, utopians, and "second-class citizens" of the global economy from 1492 to the present. Prerequisite(s): admission determined at first class meeting. Enrollment limited to 25. (General Education Code(s): IS, E.)

100T. Theory and Practice of Social Justice and Sustainability in Agro-Food Systems.

Explores current arenas of agro-food activism such as organic farming, food aid, eco-labeling, fair trade, and relocalization. Assesses both theoretical and practical efforts to link social justice, food quality, and ecological sustainability in alternative food and agriculture movements. Interview only: admission determined at first class meeting. Enrollment limited to 25. (General Education Code(s): IS.)

121. Health and Human Rights in Prison.

Critical analysis of health and human rights conditions for prisoners. Includes examination of contemporary theory and practice of punishment, health care in prison, and community and legal intervention in jail and prison conditions. Previous course work or background in the criminal justice area preferred. Prerequisite(s): satisfaction of the Subject A and Composition requirements. Enrollment limited to 25. (General Education Code(s): W.)

122. Experiments in Community: History of Communes in California.

Traces history and flowering of urban and rural communal experiments in postwar California. Critically examines the counterculture—both alternative and revolutionary wings—and its legacy of, for example, sexual politics, childrearing, art and culture, foodways, environmentalism, architecture, and anticapitalism.

134. Youth Cultures and Identity Politics.

What is "youth culture?" What does it have to do with race, class, and gender politics? Combining sociology of race with cultural studies, the course addresses these questions and examines the potential of youth cultures to affect social change. (General Education Code(s): E.)

136. Black Liberation in the African Diaspora.

Critically examines anti-slavery, anti-colonial, revolutionary, and civil rights struggles in the African diaspora from slavery to freedom: dynamics of racial oppression, debates within black communities, and the impact of gender, class, and cultural differences in the shaping of contemporary protest traditions. (General Education Code(s): E.)

149. Political Economy of Food and Agriculture.

Intensive reading course, focusing on key concepts in agrarian political economy and historical development of world food system. Enrollment limited to 25.

161A. Strategic Management and Entrepreneurship in the Nonprofit (2 credits).

Taught in conjunction with the Professions Training Program to provide students and host organizations with a meaningful learning experience. Students learn current cutting edge theory on topics of strategic management and entrepreneurship in the nonprofit sector. Enrollment limited to 25.

170. Video Laboratory (2 credits).

Trains students in the techniques of documentary film making. Through lectures, demonstrations, hands-on instruction, and review of work in progress, students learn the fundamentals of film-video pre-production, production, and post-production skills. Prerequisite(s): concurrent enrollment in course 100S.

189. Methods of Teaching Community Studies.

Each student serves as a facilitator for small discussion groups in connection with core community studies courses. Facilitators complete course readings and meet with instructor as a group to discuss the teaching process. May not be counted toward upper-division major requirements. Prerequisite(s): prior course work in the major.

194. Analysis of Field Materials.

A seminar for students who have completed a full-time field study. Devoted to the systematic analysis of field materials, integrating appropriate concepts and relevant literature, as well as utilizing the experience of other students. Prerequisite(s): satisfaction of the Subject A and Composition requirements, course 198. Enrollment restricted to community studies majors. (General Education Code(s): W.)

Computer Engineering

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): Computer Science 12A 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): Computer Science 12B or 13H; previous or concurrent enrollment in course 12 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.)

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. CATS accounts are recommended. 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): course 16 or 16H; previous or concurrent enrollment in course 100L required. Enrollment limited to 60.

100L. Logic Design Laboratory (1 credit).

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): course 16 or 16H; previous or concurrent enrollment in course 100L 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, discrete-time stochastic processes, and Markov chains. Instructor's choice of ad-

ditional 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 Engineering 131. Prerequisite(s): course 16 or 16H and Mathematics 24.

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 12C, 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 (1 credit).

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. Students are billed for a materials fee. (Also offered as Electrical Engineering 123A. Students cannot receive credit for both courses.) Prerequisite(s): course 121 or electrical engineering 171; previous or concurrent enrollment in course 185; must have passed core exam if computer engineering major; permission of department and instructor.

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 required 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

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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 12C, 12L, and 16.

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.

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.

225. Introduction to ASIC Systems Design.

Introduction to system prototyping using field-programmable gate arrays (FPGAs). Topics include architectures of FPGAs, behavioral design specification, system partitioning, synthesis tools, design verification, and studies of novel systems implemented with FPGAs. Intended to familiarize students with the techniques and tools in ASIC designs. Final project is the complete design of a small system using FPGAs. Enrollment restricted to graduate students; undergraduates may enroll if they have completed courses 100/L and 202. Enrollment limited to 10. Offered in alternate years.

250. Multimedia Systems.

Study of state-of-the-art technology for networked multimedia systems. Data processing and communication requirements for distributed multimedia systems. Topics include audio, image, and video delivery and compression standards, networking for multimedia, scene composition, and digital television. Proficiency in C++ required; experience in designing user interfaces recommended. Prerequisite(s): undergraduates may enroll if they have completed course 150 and either course 108 or Electrical Engineering 103. Enrollment restricted to graduate students.

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.

278. Introduction to the Theory of Discrete Systems.

Introduction to methods for modeling, analyzing, and reasoning about discrete systems, such as hardware and software designs. First part of course presents basic models for hardware and software systems and introduces methods for system specification, verification, abstraction, and stepwise refinement of a design into an implementation. Second part discusses role of structure: hierarchy, system composition, and interface specification. Prerequisite(s): some mathematical background is assumed. Enrollment restricted to graduate students or by 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. Prerequisite(s): permission of instructor. Enrollment restricted to graduate students. Enrollment limited to 20. May be repeated for credit.

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 Engineering 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. 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 Engineering 11A. Previous or concurrent enrollment in 12A 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. Enrollment restricted to all engineering majors.

60N. Beginning Programming: Natural Sciences. An introduction to the basic techniques of computer programming. Detailed study of one programming language. Extensive practice using a computer to solve problems. Course 60N is intended for science students. Students can only receive credit for either 60G or 60N. Students cannot receive credit for course 60N if taken concurrently with or subsequently to course 12A. (General Education Code(s): IN.)

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, Computer Engineering 16, Mathematics 19B, and one course from the following: Mathematics 21, 22, 23A, 24, or Engineering 27 (formerly Mathematics 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 12C and 12L.

105. Systems Programming. Covers fundamentals of systems programming including standard tools, shell programming, file I/O, files and directories, system data files and information, Unix processes, process control, synchronization, signals, event-driven programming, terminal I/O, daemons, interprocess communication, basic network programming, and basic user-interface programming. Prerequisite(s): course 101 and Computer Engineering 12C and 12L. Enrollment restricted to School of Engineering majors.

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 au-

tomata, 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 using the C language on bit-mapped raster scan displays and a major programming project are required. Prerequisite(s): course 101 and Mathematics 21 or Engineering 27 (formerly Mathematics 27). Enrollment limited to 35.

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, and network security. Prerequisite(s): Mathematics 19B or calculus equivalent; Mathematics 21 or Engineering 27 (formerly Mathematics 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 cur-

rent 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. An introduction to the design and analysis of machine learning algorithms. Covers learning models from the 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, nonlinear regression and neural networks, density estimation and other kinds of unsupervised learning, reinforcement learning, learning from queries, and reductions among learning problems and relations to cryptography. Course involves one major experimental learning project or theoretical paper. Enrollment restricted to graduate students. Enrollment limited to 30.

280A. Seminar in Computer Science Research (2 credits). Weekly seminar covering topics of current research in computer science. Enrollment limited to 30. May be repeated for credit.

280G. Seminar on Software Engineering (2 credits). Weekly seminar covering topics of current research in software engineering. Prerequisite(s): permission of instructor. Enrollment restricted to graduate students. Enrollment limited to 30. May be repeated for credit.

280S. Seminar on Computer Systems (2 credits). Weekly seminar series covering topics of current research in computer systems. Enrollment limited to 30. May be repeated for credit.

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/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 includes presentations by invited outside guests, by UCSC faculty in DA/NM and in related fields, and by advanced students preparing thesis projects. Students required to read materials specific to each presentation. Enrollment restricted to graduate students. May be repeated for credit.

219. Introduction to Electronics for Artmaking. Intensive introduction to electronic devices for use in artmaking. Provides hands-on experience working with

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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. Enrollment restricted to graduate students.

220. Introduction to Programming for the Arts.

Learn about digital representation of text, sound, images, and movies and how to create and manipulate these representations under program control. Also learn about how computers share information over the network with view of the web as a potential medium for artists. Projects are completed using conventional programming languages such as Python, Java, or C. Assumes basic computer literacy and programming experience comparable to one-quarter introductory programming course such as Computer Science 60G or Art 21. This course does not teach how to use existing applications to manipulate the various media. Enrollment restricted to graduate students.

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.)

5. California Geology.

An introduction to physical geology emphasizing the minerals, rocks, volcanoes, mountains, faults, and earthquakes of California. In-class field trips to study the caves, rocks, and landforms of the campus and the Monterey Bay area. Discussion-1 hour. Concurrent enrollment in 5L required for majors and minors. (General Education Code(s): IN.)

5L. California Geology Laboratory (1 credit).

Laboratory sequence illustrating topics covered in course 5 with particular emphasis on rock and mineral identification and map interpretation. Field trip. Laboratory three hours. Students are billed for 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 impacts 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. (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. 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. Will be offered in the 2004–05 academic year. Students are billed for a materials fee. Prerequisite(s): course 10/L or 5/L or 20/L. Offered in alternate years.

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 for 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. Prerequisite(s): concurrent enrollment in 109. 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): course 10 or 5 or 20, and 10L or 5L or 20L, and Mathematics 11A. Enrollment is permitted by permission code with equivalent or exceptional background, or if enrolled concurrently in course 10 and Mathematics 11A.

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.

116. Hydrology.

An analysis of the surface portion of the hydrologic cycle, including precipitation, stream flow and watersheds, floods and flood control, hillside processes, erosion and sediment yield, and human impacts on this system. Also covers water law, management and policies in California. Laboratory/field-3 hours. Will be offered in the 2004–05 academic year. Students are billed for a materials fee. Prerequisite(s): course 10 or 5 or 20, and Mathematics 11A or 19A. Course 10L is suggested as an optional preparation for non-Earth sciences majors. Offered in Alternate Years.

117. Paleomagnetism.

How the fossil magnetism of rocks is used to decipher Earth's history: applications to tectonics, geochronology, stratigraphy, structural geology, geomagnetism, and archeology. Includes an overnight field trip to collect

samples for a class research project. Students are billed for a materials fee. Prerequisite(s): course 5, 10 or 20; Mathematics 11A or 19A; course 117L must be taken concurrently.

117L. Paleomagnetism Laboratory (2 credits).

A hands-on research project in the Paleomagnetic Laboratory. Students collectively drill oriented cores in the field (one–two days), prepare and measure the samples, and analyze and interpret the data. Each student writes an individual final report based on the class results. Prerequisite(s): concurrent enrollment in course 117 is required. Enrollment limited to 25.

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. Will be offered in the 2004–05 academic year. Prerequisite(s): Mathematics 11B or 19B; and Physics 5A or 6A. Offered in alternate 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 for a materials fee. Enrollment restricted to Earth sciences graduate students.

220. Groundwater Modeling.

Introduction to the role and application of models to solving hydrologic problems. Discussion of modeling methods include analytical, finite-difference, finite-element, and analytical element. Emphasis on using models rather than the details of their functioning. Some comfort with math-

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ematical methods and computers expected. Course designed for graduate students, but available to qualified Earth science majors. Will be offered in the 2004–05 academic year. Prerequisite(s): graduate standing or permission of instructor required. One year of calculus is recommended as preparation. Offered in alternate years.

275. Magnetohydrodynamics.

Study of fluid dynamics and magnetic fields with a focus on convection and magnetic field generation in planets and stars. Students develop a computer program for modeling magneto-convection. Computer programming experience recommended. Will be offered in the 2004–05 academic year. Enrollment restricted to graduate students. Offered in alternate years.

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.

292. Seminar (no credit).

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

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. (Formerly Engineering 11A.) (Also offered as Applied Math and Statistics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 28 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. (Formerly Engineering 11B.) Prerequisite(s): course 11A or Applied Mathematics and Statistics 11A. (General Education Code(s): Q.)

80H. Wall Street and the Money Game.

Provides a demystifying introduction to financial markets. Examines the theory of stock market investment, the workings of the international money market, the implications of corporate takeovers, and the regulation of the economy by the Federal Reserve Board. (General Education Code(s): T3-Social Sciences.)

80J. Value and Support of the Arts: Challenges and Opportunities in American Society.

Considers the value of the arts in an era of increasing budgetary duress, along with focus on specific funding concerns arising in such an environment. Students cannot receive credit for this course and course 185. (General Education Code(s): T5-Humanities and Arts or 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 and 11A or Applied Mathematics and Statistics 11A or Mathematics 11A or 19A; course 11B may be taken concurrently. Course 11B or Engineering 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.

101. Managerial Economics.

Analysis of the theory and practice of decision making in business firms, applying the concepts and techniques of microeconomics. Topics may include pricing schemes, non-price competition, internal organization of firms, incentive contracts, asymmetric information, and game theory. Case studies are used to illustrate some topics. Prerequisite(s): courses 100A and 113.

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 Subject A 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 either course 11B or Mathematics 22. Courses 100A or 100B strongly recommended as preparation. (General Education Code(s): Q.)

114. Advanced Quantitative Methods.

Application of statistical methods to estimating and testing economic relationships, i.e., econometric techniques. Topics include the effects of misspecification, choice of functional form, serial correlation, heteroscedasticity, limited dependent variables, and simultaneous equations. Includes discussion of existing empirical work and econometric projects by students. Prerequisite(s): courses 100A and 113.

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.

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.

139A. The Economics of Electronic Commerce.

An analysis of the broad spectrum of issues affecting commercial uses of the Internet and the next-generation information infrastructure. Uses economics to examine market structure, pricing quality, intellectual property rights, security, electronic payments and currencies, and public policy implications. Prerequisite(s): course 100A, or permission of instructor.

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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.

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): course 100A and 113.

165. Economics as an Experimental Science.

The design, execution, and analysis of laboratory experiments in economics. Students study experimental methodology, critically survey the published literature, and design an experiment. Literature includes lab studies of investigations in auctions, markets, social choice theory, and game theory. Prerequisite(s): satisfaction of the Subject A and Composition requirements, course 100A. Enrollment limited to 20. (General Education Code(s): W.)

185. Value and Support of the Arts: Challenges and Opportunities in American Society.

Considers the value of the arts in an era of increasing budgetary duress, along with focus on specific funding concerns arising in such an environment. Students cannot receive credit for this course and course 80J. Course 1 is strongly recommended as preparation.

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.

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 optimization, 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 1.

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.

212. Empirical Project in Econometrics (2 credits).

Empirical project or paper in econometrics to demonstrate student's ability to conduct applied econometric analysis. Ph.D. requirement to be completed by beginning of student's third year of study. Prerequisite(s): courses 211A and 211B.

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.

234. Financial Institutions and Markets.

This course examines the evolving microstructure of financial markets, instruments, and institutions. Topics include the role of banks and other financial intermediaries and the trading practices for domestic and international financial instruments, including equity, debts, futures, and options. 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.

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

80. 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. May be taken concurrently with courses 92A, 92B, or 92C. A practicum in the schools and/or community of up to three hours per week is required. (General Education Code(s): T3-Social Sciences.)

92A. The Evolution of Education.

Introduction to educational theory, Plato through Freire. A survey of major ideas and issues in education, ranging from the purposes of education and the organization of knowledge to the nature of teaching, compulsion in schooling, and questions concerning developmental theory, moral education, and aesthetic education. Course enrollment is unrestricted. (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.

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.

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 graduate education majors. Enrollment limited to 15.

200D. Advanced Topics in Qualitative Research.

Analyzes topics, which vary systematically from year to year, including analysis of classroom interaction, video recording and transcription, coding and analysis of discourse data, and software programs for qualitative analysis. Prerequisite(s): course 200C. Enrollment restricted to graduate students. Enrollment limited to 12. May be repeated for credit.

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.

212A. Science Learning and Teaching in Elementary Classrooms.

Examines constructivist and sociocultural approaches to the learning and teaching of science in elementary classrooms, including beliefs about the nature of science and theories of how children learn science. Provides a critical overview of curricula, instructional theories, and multiple approaches to teaching the “big ideas” in elementary science. Enrollment restricted to graduate students admitted to the credential program. Enrollment limited to 50.

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 mathematics 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 mathemat-

ics 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 graduate students majoring in education.

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 graduate students majoring in education.

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.

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 graduate education majors. Enrollment limited to 15.

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 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. Prerequisite(s): course 283. Enrollment restricted to graduate students.

284B. Advanced Student Teaching.

Designed for students who 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. Prerequisite(s): course 283. Enrollment restricted to graduate students.

284C. Advanced Student Teaching.

Designed for students who 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. Prerequisite(s): course 283. Enrollment restricted to graduate students.

285. Portfolio Development (2 credits).

Provides student and faculty adviser with time to confer over the completion of the required portfolio. 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 Engineering 27 (formerly Mathematics 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 Engineering 27 (formerly Mathematics 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): course 70.

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. Students are billed for a materials fee. 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. (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/

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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.

211. Introduction to Nanotechnology.

Introduction to underlying principles of the emerging field of nanotechnology. Intended for multidisciplinary audience with a variety of backgrounds. Introduces scientific principles and laws relevant on the nanoscale. Discusses applications in engineering, physics, chemistry, and biology. Enrollment restricted to graduate students. Enrollment limited to 20.

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.

262. Statistical Signal Processing I.

Covers fundamental approaches to designing optimal estimators and detectors of deterministic and random parameters and processes in noise, and includes analysis of their performance. Binary hypothesis testing; the Neyman-Pearson Theorem. Receiver operating characteristics. Deterministic versus random signals. Detection with unknown parameters. Optimal estimation of the unknown parameters: least square, maximum likelihood, Bayesian estimation. Will review the fundamental mathematical and statistical techniques employed. Many applications of the techniques are presented throughout the course. Note: While a review of probability and statistics is provided, this is not a basic course on this material. Prerequisite(s): course 103 and Computer Engineering 107, or permission of instructor.

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.)

42C. Student-Directed Seminar: Ecopsychology.

Explores cultural separation between self, community members, and the environment. Examines methods of restoring broken connections to promote personal, environmental, and social healing from urban garden

projects to wilderness immersion. Includes one required weekend camping trip. Enrollment limited to 20.

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.)

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 Biology 20C; course 25; and Engineering 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 Engineering 5 or 7. Satisfaction of the Subject A and Composition requirements. Enrollment limited to 20. (General Education Code(s): W.)

108. General Entomology.

Introduction to entomology including anatomy, physiology, systematics, evolution, behavior, and reproduction of the world's most diverse group of organisms. These topics are illustrated in several contexts, from the importance of insects as disease vectors to the historical and contemporary uses of insects by humans. Prerequisite(s): course 24 or Biology 20C. Enrollment limited to 20. Offered in alternate years.

108L. General Entomology Laboratory (2 credits).

Laboratory sections are devoted to the identification of insects. Individual collections representing 15 orders, sight identification of 60 families, and use of taxonomic keys for positive designations required. Students must be concurrently enrolled in course 108. Enrollment limited to 20. Offered in alternate years.

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.

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.

172. Science, Policy, and the Environment.

Introduces students to the dilemmas of science-based environmental policy and discusses their underlying philosophical underpinnings. Explores emergent alternatives, such as the precautionary principle and alternatives assessment, and examines the relationship between experts and the lay public in public controversies. Prerequisite(s): satisfaction of the Subject A and Composition requirements. (General Education Code(s): W.)

173. An Introduction to World Environmental History.

Introduces students to some of the central issues in world environmental history such as: human attitudes toward

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the natural environment; the role of human societies, their institutions and technologies in changing the face of the earth; and the historical impact of environmental and developmental policies on race, class, and gender differences in a variety of human communities across the world. Prerequisite(s): course 100. Enrollment limited to 30.

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.

210. Political Ecological Thought and Environment.

Provides an introduction to social scientific analyses of the relationships between capitalistic development and the environment in the late twentieth century. It has a dual purpose: First, to develop a contemporary historical understanding and sensibility of how economic change, new institutional configurations, and world scale processes are shaping interactions with the environment. Second, to examine some recent political social theoretical perspectives on nature-society relations and radical environmental and social movements. Enrollment restricted to graduate students in environmental studies.

220. Conservation Biology.

The principles of conservation biology, including a review of the core disciplines of demography, population genetics, island biogeography, and community ecology and discussion of area and edge effects, population viability, and ecosystem issues related to the maintenance of biological diversity, especially in fragmented landscapes. Enrollment restricted to environmental studies graduate students. Enrollment limited to 20.

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 agroecology; 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 pre-

sentations 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, Q.)

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. 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.

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.

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 detoxification 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.

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.)

20C. Introduction to Digital Media.

Introduces fundamental features of digital media and examines the immense visual, social, and psychological impact of the "digital revolution" on our culture. Topics include the concepts and forms of the digital hypertext interface, Internet, and web, and the impact of digital media on conceptions of the self, body, identity, and community. Students are billed for a course fee. Enrollment restricted to first-year students, sophomores, and juniors. (General Education Code(s): IH, A.)

42I. Student-Directed Seminar: Sexual Anxiety in American Cinema: 1999.

Investigation of American sexual anxiety in 1999 as viewed through cinema and various media. Emphasis on social, political, sexual, and cinematic implications of events such as Lewinsky scandal and proliferation of the World Wide Web. Enrollment limited to 15.

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 Subject A 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.)

132B. International Cinema, 1960 to Present.

A survey of significant developments in narrative film outside Hollywood from 1960 to the present. Major film movements and directors from around the world are studied. Students are billed for a course fee. Usually offered in alternate academic years. Prerequisite(s): course 20A or 20B. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. (General Education Code(s): A.)

136C. Visual Culture and Technology: History of New Media.

Explores the relationship between technology and change and surveys the history of various technologies of visual culture from print to computer based imagery and the

Internet. Students are billed for a course fee. Prerequisite(s): course 20C. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows.

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. Prerequisite(s): satisfaction of the Subject A and Composition requirements, admission by application at first class meeting. May be repeated for credit. (General Education Code(s): W.)

162. Film Authors.

Intensive critical study of the work of one film auteur (director, screenwriter, actor, cinematographer). Themes, style, and structure are explored using various critical modes of analysis. Students are billed for a course fee. Prerequisite(s): course 120. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. May be repeated for credit.

168. National Cinema and Culture.

Study of a specific cinematic or other media tradition of a region, nation, language, diasporic collectivity or other unifying cultural entity. Not a survey, this course selects one focus or offers a comparative of cross-cultural framework. Students are billed for a course fee. Prerequisite(s): course 130, 132A, or 132B. May be repeated for credit.

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. Prerequisite(s): admission by application and entrance essay. See the enrollment conditions section in the quarterly *Schedule of Classes*; course 20A or 20B and one other film/video critical studies or history course are 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.)

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): admission by application at first class meeting; priority given to students who have been accepted into the production concentration. Other students who are not in the production concentration and who have completed course 170 may apply by submitting sample of production work at first class meeting. See the enrollment conditions section in the quarterly *Schedule of Classes* for other application instructions that may apply. Enrollment limited to 25.

176. Experimental Video Workshop.

Introductory workshop in video production (non-narrative, experimental). Topics include a survey of non-narrative experimental video from a historical/theoretical perspective and an introduction to videography, fundamentals of video editing, and sound. Students complete several short projects and are billed for a materials fee. Stu-

dents must bear the cost of all materials. Prerequisite(s): admission by application at first class meeting; priority given to students who have been accepted into the production concentration. Other students who are not in the production concentration and who have completed course 170B may apply by submitting sample of production work at first class meeting. See the enrollment conditions section in the quarterly *Schedule of Classes* for other application instructions that may apply. Enrollment limited to 25. (General Education Code(s): A.)

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; admission by application at first class meeting; contact department office for required forms; priority given to students who have been accepted into the production concentration. 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.

194E. International Cinemas.

In-depth study of the history and theory of international cinemas with changing topics such as globalism and resistance, postcolonial theory, international productions and querying race, the "national," and cinema. Students are billed for a course fee. Prerequisite(s): course 132A, 132B, or 132C. Enrollment restricted to senior film and digital media majors. Enrollment limited to 16.

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. Each level is taught each quarter. Students interested in this course who do not have the prerequisite course must attend a placement interview.

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. Each level is taught each quarter. Students interested in this course who do not have the prerequisite course must attend a placement interview. Prerequisite(s): course 1; or placement by examination.

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. Each level is taught each quarter. Students interested in this course who do not have the prerequisite course must attend a placement interview. Prerequisite(s): course 2; or placement by examination.

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.)

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): French 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. Sequence 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

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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 will be started 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. Sequence begins in 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.

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.)

33. *Medieval Europe: 200–1000.*

A survey of Europe from the fourth through tenth centuries. Emphasizes cultural conflict and assimilation (Roman and Germanic, pagan and Christian, East and West). Topics include the rise of Christianity, barbarian migrations, Byzantium and Islam, the origins of feudal society, the cult of saints and relics, Vikings, and gender roles. (Formerly *Medieval Europe: 300–1000.*) (General Education Code(s): IH.)

34A. *Introduction to the History of the Americas: Colonial Period.*

Introduces the social, cultural, economic, and political history of the New World through a close examination of the process of European "conquest" in the sixteenth century and its consequences for both native and settler peoples. Medieval and Renaissance European and African backgrounds; Inca, Maya, Aztec, plains, woodland, and tropical rainforest native American societies; processes of military and cultural conquest; epidemics and ecological changes; native resistance and the establishment of the fundamental institutions of colonial society. (General Education Code(s): IH.)

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.)

46. *Introduction to Modern Jewish History.*

Examines major turning points in Jewish history from the seventeenth century through the twentieth: the challenge of modernity, the rise of political anti-Semitism, the migration of European Jews to America, the nearly total destruction of European Jewry in the twentieth century, and the origins and development of the conflict between Israel and its Arab neighbors. (General Education Code(s): 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.)

104B. *U.S. Labor and the Working-Class History, 1919 to the Present.*

Explores the history of work, working-class people, and the labor movement in the U.S. in global perspective with attention to race and gender dynamics and to social and cultural development of the working class and political-economic changes. (Also offered as American Studies 104B. Students cannot receive credit for both courses.) Satisfies American History and Institutions Requirement.

107. *Topics in Roman History.*

Detailed consideration of some specific topic or period in Roman history, varying from year to year. Examples include Roman religion, Augustus and the Roman Empire, Julio-Claudian emperors and the principate, Ro-

man slavery, and Christianity and Rome. Enrollment restricted to history and classical studies majors or permission of instructor. May be repeated for credit.

117A. *What Is a Nation? The U.S. from 1877 to 1914.*

History of the U.S. during what was perhaps its most socially turbulent era, the period right after Reconstruction to the First World War. What did it mean to be a nation in the post-Civil War era? How did a country that had only recently unified itself under one system of labor now resolve the question of national identity? Was America truly a nation by 1914? (Formerly course 117C.)

125A. *European Intellectual History.*

Study of European thought, literature, and art, 1680–1914. Focus on relation of ideas to their social and cultural context. Age of Enlightenment from Swift and Montesquieu to Rousseau and Goya.

131B. *English History.*

Emphasis on the interaction between social, economic, religious, and political developments. An attempt to place these phenomena in the context of the wider European and world scene. The period from 1689 to 1990.

143A. *African American History to 1877.*

A survey of pre-contact Africa, indigenous social structures, class relations, the encounter with Europe, forced migration, seasoning, resistance, Africa's gift to America, slavery and its opponents, industrialization, emigration vs. assimilation, stratification, Convention Movement, Black feminism, Civil War, and Reconstruction. (General Education Code(s): E.)

150B. *History of China, 1644–1911.*

Explores in depth the late imperial Chinese state: the society, the economy, major intellectual trends, the encounter with the expansive West, rebellions and revolutionary movements, and the end of the imperial system. Uses original sources in translation.

159A. *Ancient Japan.*

Surveys the history of the peoples of the Japanese islands from prehistorical migrations to the middle of the fifteenth century. Emphases include examination of social structures, political formations, cultural production, and religion.

163. *The Crusades, 1000–1300.*

Examines history of Middle East from 1000–1300, in particular, Latin Crusade and colonization and Muslim response. Format chronological; topics such as acculturation, Holy War, and ethnicity examined through lectures and slide presentations.

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 Subject A and Composition requirements, two upper-division history courses in student's area of concentration. Enrollment limited to 20. (General Education Code(s): W.)

194U. *China Since the Cultural Revolution: Histories of the Present.*

Analyzes tensions leading to the Cultural Revolution, the construction of collective historical memory, social changes during the post-Mao reforms, the development and suppression of the 1989 demonstrations, and contemporary debates about nation and globalization.

Prerequisite(s): two upper-division history courses in student's area of concentration and satisfaction of the Subject A and Composition requirements. Enrollment limited to 20. (General Education Code(s): W, E.)

196I. California and the Borderlands.

Complete original research in California and borderlands history in this senior research seminar. Focus on selected problems and themes. Assignments and discussions help students frame their research and edit their writing. Prerequisite(s): two upper-division history courses and satisfaction of the Subject A and Composition requirements. Enrollment restricted to juniors and seniors. Enrollment limited to 15. (General Education Code(s): W.)

196S. Who Controls Broadcasting?

Focuses on the social and political construction of major telecommunications and broadcasting systems in the U.S. including wireless, telephone, radio, television, and the Internet. Emphasis on reading and analyzing prominent scholarly and popular works on this subject. Prerequisite(s): two upper-division history courses; satisfaction of the Subject A and Composition requirements. Enrollment limited to 20. (General Education Code(s): W.)

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 majors and others by permission of instructor. Enrollment limited to 20.

203. Readings in Twentieth-Century China.

A survey of major Western-language works and historiographical controversies in Chinese history from 1900 to the present. Weekly readings emphasize particular social and political movements as well as long-term changes in urban and rural society. Enrollment restricted to graduate students. Enrollment limited to 20.

205B. Readings in European Social and Cultural History.

A readings seminar that introduces beginning graduate students to some of the major problems in modern European social and cultural history, 1789 to the present. Enrollment restricted to graduate students. Enrollment limited to 20.

222. History of Gender Research Seminar.

Introduction to theories and methods employed in gendered historical research. Readings are drawn from a range of chronological, national, and thematic fields and explore the intersection of gender analysis with questions of the body and sexuality, modernity, colonialism, race and ethnicity, constructed space, and production/consumption. 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 TAs, 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 Education Code(s): T5-Humanities and Arts or Social Sciences, A.)

80G. Religion and Visual Culture in China.

Introduction to the study of religious currents and practices in China and their visual expression. In addition to "religious art," topics include such pivotal matters as body concepts and practices, representations of the natural world, and logics of the built environment. (General Education Code(s): T5-Humanities and Arts or Social Sciences, A, E.)

105P. Visual Cultures of the Pacific Islands.

Interdisciplinary course examines visual cultures of Australia, Melanesia, Micronesia, and Polynesia from the archaeological past through contemporary periods. (General Education Code(s): A, E.)

106A. Religious Traditions in Indian Art.

Examines ways in which religious traditions are embedded in (or embodied within) art of the Indian subcontinent. Topics include Hindu temples; Jain art; Buddhist sacred narratives and cosmology; royal elite and popular patronage; and functions of icons. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 80. (General Education Code(s): A, E.)

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.)

115. Italian Renaissance: Representation and Institutions.

Lives of Italian Renaissance people from birth to death, examining the nature and roles of the institutions which defined human existence in this period. Uses visual arts both illustratively and to study how institutions fashioned their images through art and architecture. (Formerly course 80I.) (General Education Code(s): A.)

163A. The Mediterranean.

Visual culture from the late Roman Empire to the early Byzantine Empire. Imperial triumphal monuments, Roman, early Christian, and Jewish catacombs, frescoes, manuscripts, and mosaics. Enrollment restricted to sophomores, juniors, and seniors; other students should contact instructor. One quarter of a 10-series course or a course in ancient or medieval culture is recommended as preparation. Enrollment limited to 35. (General Education Code(s): A.)

190J. Built Environments of Medieval Cities.

Roads, bridges, walls, market squares, civic buildings, hospitals, houses, churches, and districts in the economic, so-

cial, and political environments of the medieval urban fabric. Recommended for students with background in medieval, urban, or architectural studies. Course can be taken for senior exit credit only by permission of the instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 100. (General Education Code(s): A.)

190U. Representations of Women in Indian Art.

Deals with representations of the female divinity in Indian religious imagery, and of women in secular and courtly paintings. Also examines roles women play in the production of art in the Indian subcontinent. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 17. (General Education Code(s): A, E.)

191P. Art and Identity in the Pacific: Creating and Challenging Ethnic and National Identities.

Theoretical discussions and Pacific Basin case studies on 1) definitions of cultural, ethnic, and national identities; 2) relationship between art, museums, and construction of historical and cultural narratives; 3) ways "tradition" defined in art practices and used by groups to assert an identity in their present. Participants first develop a theoretical framework and vocabulary for analyzing artistic production in a variety of cultures. Through specific case studies, will explore how art, architecture, and museums actively contribute to define and challenge ethnic and national identities. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 17. (General Education Code(s): A, E.)

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 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.

204A. Introduction to Cultural Studies.

Classic texts from the British cultural studies tradition. Traces later developments in North America, Latin America, Australia, and elsewhere. Asks how class analysis has been complicated by work on race, ethnicity, gender, sexuality, and postcoloniality. Enrollment restricted to graduate students. Enrollment limited to 20. May be repeated for credit.

209A. Women of Color: Feminist Theories and Practices.

Examination of feminist consciousness in the indigenous and diasporic cultural histories of women of color. Analysis of "feminist moments" in these histories and their epistemological implications for the construction of feminist theories that take into account intersections of gender, ethnicity, class, and sexual orientation. Discussion of possible paradigmatic shifts in feminist theory. En-

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rollment restricted to graduate students. Enrollment limited to 15.

260A. Film and the Visible.

Study of selected topics in film theory, including the construction of vision and spectatorship; the relations of look, image, and narrative; the formative effects of classic, experimental, and independent cinema in contemporary visual culture; the feminist critique of representation; the role of cinema in the production of public and private fantasies, cultural memory, and identity. 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 (1 credit).

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. Enrollment restricted to juniors, seniors, and 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. Sequence begins in fall quarter. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting.

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. Prerequisite(s): course 1B or 3, or placement by examination. 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. Enrollment limited to 25. (General Education Code(s): IH.)

Japanese

1. Elementary Japanese.

Goal is to learn all the basic grammar, hiragana, katakana, and 100 kanji, and to attain elementary proficiency in speaking. This sequence begins in 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.

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 learning. Sequence 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

1. Elementary Latin.

Instruction in Latin grammar, together with readings in various authors, designed to prepare for the study of classical literature. The sequence will be started in the fall quarter only.

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. (General Education Code(s): IS, E.)

80F. Latinos in the U.S.: A Comparative Perspective.

Analyzes the Latino experience in the U.S. with a special focus on strategies for economic and social empowerment. Stresses the multiplicity of the U.S. Latino community, drawing comparative lessons from Cuban-American, Puerto Rican, Chicano/Mexicano, and Central American patterns of economic participation and political mobilization. (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 involvement of the musical practices of Mexican forms, styles and genres. (General Education Code(s): T3-Social Sciences, E.)

170. Latin American Indigenous Struggles.

Focuses on the way Indians of Latin America have interacted voluntarily and involuntarily with nonindigenous cultures. Examines their perspectives, thoughts, frustrations, and successes. Touches on land issues and examines the way current indigenous cultures of Latin America

face and adapt to social change. Focuses on the Andes, lowland Amazon, and Mesoamerica. (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.)

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 twenty-first-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 limited to 25. (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 communities. 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.

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.)

105B. Early Modern Political Thought.

A study of the republican and liberal traditions of political thought and politics. Authors studied include Machiavelli, Hobbes, Locke, and Rousseau. Examination of issues such as political corruption, community, authority, "scientific" politics, property, equality, and justice. (Formerly offered as *Modern Political Theory*.) (Also offered as Politics 105B. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority period.

118. Political Anthropology.

The ideas, in selected non-Western societies, about the nature of power, order, social cohesion, and the political organization of these societies. (Also offered as Anthropology 138. Students cannot receive credit for both courses.) Offered in alternate years.

120A. Congress, President, and the Court in American Politics.

Study of political development, behavior, performance, and significance of central governmental institutions of the U.S. While focus is on historical development of Congress and the presidency and relationship between the two branches, attention is also given to the judiciary branch and bureaucracy. (Also offered as Politics 120A. Students cannot receive credit for both courses.) Enrollment restricted to le-

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gal studies majors during priority period. Satisfies American History and Institutions Requirement.

131. Water, Wildlife, and Natural Resources Law. Introduction to U.S. water, wildlife, and natural resources law; policy; and management practices. Students construct a local paradigm at the regional watershed level and critically analyze the positions of contending stakeholders over watershed resources. Enrollment restricted to sophomore, junior, and senior legal studies majors during the 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 Subject A and Composition requirements. (General Education Code(s): IH, W.)

80B. Modern English Grammar.

Elementary introduction to modern standard English grammar, both formal and informal, both written and spoken. Stresses the importance of linguistic evidence in understanding grammatical correctness; offers a demystification and critique of older traditional grammar in the light of recent research. (General Education Code(s): T4-Humanities and Arts.)

101. Phonology I.

Introduction to morphology and phonological theory and analysis. Problems in phonetic, phonemic, and morphophonemic variation, phonological rules and rule systems. Prerequisite(s): satisfaction of the Subject A and Composition requirements, course 20 or 51. (General Education Code(s): W.)

120. Structure of English.

A survey of the grammatical structure of English and the terminology of grammatical description. Covers the phonological, morphological, and syntactic structure of English and contrasts it with other languages. Prerequisite(s): course 20, 52, or 55.

211. Phonology A.

Introduction to theoretical phonology: distinctive features and nonlinear representations; syllable structure; autosegmental assimilation and dissimilation, the geminate constraint, the obligatory contour principle; feature-geometric structure; underspecification and structure preservation; level-ordering. 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 Subject A and Composition requirements. (General Education Code(s): IH, W.)

42L. Student-Directed Seminar: Post-Apartheid South African Literature.

Examines importance of post-apartheid South African literature and whether a writer's work alleviates "little enough, less than little, nothing" (as J. M. Coetzee has said) or, by influencing development of a new social consciousness, functions as the foundation for social progress and reform. Enrollment limited to 20.

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.)

80L. Topics in American Popular Culture.

History of one or more popular cultural genres in written, visual, and/or musical forms and their relation to ongoing public debates. Topic: popular music and popular history. (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 2004–05: (F) textuality and embodiment; (W) authorship; (S) twentieth-century literary theory from Russian formalism through postcolonial criticism. Prerequisite(s): satisfaction of the Subject A and Composition requirements. Enrollment restricted to sophomores, juniors, and seniors. 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.

Literature/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.)

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

102D. The Traditional U.S. Canon, 1900 to the Present.

Major works from 1900 to the present, with attention to their social and cultural context. Satisfies the American, English, and Modern Literature concentrations. (Formerly American Literature 100D, *Mid-Twentieth Century*.)

110B. The Eighteenth-Century English Novel.

The eighteenth-century novel from Defoe to Austen. Satisfies the British, English, and Pre- and Early Modern Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement. (Formerly British Literature 109A.)

110H. American Autobiography.

Close examination of autobiographical works by major American writers. Satisfies the American, English, and Modern Literature concentrations. (Formerly American Literature 103D.)

170C. William Shakespeare.

Intensive study of a few plays. Primarily for students already acquainted with Shakespeare. Satisfies the British, English, and Pre- and Early Modern Studies Literature concentrations; also satisfies the Pre- and Early Modern

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distribution requirement. (Formerly British Literature 130L, *Shakespeare*.) May be repeated for credit.

190H. *Picturing California: Memoir and Image.* Examines California as depicted in word and image by representatives of a broad range of national/cultural traditions, including European explorers; Spanish, Mexican, Californio, Yankee, and Chinese settlers; and photographic pioneers. Satisfies the American, English, and Modern Literature concentrations; also satisfies the Senior Seminar distribution requirement. (Formerly American Literature 190J.) Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. (General Education Code(s): E.)

French Literature

134. *French Literature Outside France.*

A study of texts written in French-speaking cultures: Belgium, Canada, Africa, the Caribbean. Satisfies the French, Modern, and World Literature concentrations; also satisfies the Global distribution requirement. May be repeated for credit. (General Education Code(s): E.)

234. *French Literature Outside France.*

A study of texts written in French-speaking cultures: Belgium, Canada, Africa, the Caribbean. Enrollment restricted to graduate students. May be repeated for credit.

German Literature

102. *Introduction to German Literature.*

Wide reading of works representing the major authors, periods, and genres of German literature. Satisfies the German and Modern Literature concentrations.

Greek Literature

104. *Prose Authors.*

Topic: Lucian. Satisfies the Greek and Pre- and Early Modern 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.

Latin Literature

102. *Roman Poetry.*

Topic: (F) Virgil's *Aeneid*; (W) Ovid's *Metamorphoses*. Satisfies the Latin and Pre- and Early Modern Studies Literature concentrations; also satisfies the Poetry and Pre- and Early Modern distribution requirements. May be repeated for credit.

Modern Literary Studies

125L. *Films on the Border.*

Surveys a range of cinematic representations of the U.S.-Mexico border region from Hollywood, independent, Chicano/Latino, Mexican, and local sources. Studies the border in both concrete and symbolic registers. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

144D. *Jewish Writers and the American City.*

An examination of some major Jewish writers and their responses to the American city. Major writers: Henry Roth, Saul Bellow, Bernard Malamud, J. Kaplan, Philip Roth. A look at Yiddish and other minority writers, and including sociological and historical materials on the American city. Satisfies the American, English, and Modern concentrations. (General Education Code(s): E.)

155B. *Soviet Literature.*

Survey of twentieth-century Soviet literature, from the revolution to the death of Stalin. Readings include modernist and avant-garde texts of the 1920s and socialist realism. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement. (Formerly *Russian Literature Since the Revolution*.)

180F. *Latin American Women Writers.*

Explores literary production by women in relation to social movements and historical events. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

231. *Studies in Literary and Cultural History.*

Topic: (F) Landscape and Ideology. Enrollment restricted to graduate students. May be repeated for credit.

280. *Topics in Theory.*

Explores issues arising in both the modern practices of criticism and in writings on the theory of criticism. Topics: (F) Latin American critical theory; (W) The Gramsci Discourse; (S) The Gramsci Discourse, Part II. Enrollment restricted to graduate students. May be repeated for credit.

Pre- and Early Modern Literary Studies

139. *Rhetoric, Literature, and Performance.*

Investigates significance of the classical discipline of rhetoric as a theory of discourse that analyzes the persuasive forces of language, whether in practical public discourse (e.g., legal or political), literature, drama, art, film, or any system of representation.

190P. *Topics in Pre- and Early Modern Studies.*

Examination of individual authors or critical problems in ancient, medieval, or early modern/Renaissance literature. Topics: (F) war in literature; (W) phenomenon of comedy; (S) early modern travel narratives. Satisfies the Pre- and Early Modern Literature concentration; 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.

244. *Queering the Renaissance.*

Seeks to understand the recent convergence in early modern scholarship between queer theory and Renaissance studies and to explore the definitions and articulations of queer theory as a mode of textual criticism and practice. Enrollment restricted to graduate students.

Spanish Literature

60. *Introduction to Literary Genres.*

The study of poetry, drama, and prose in Spain and Latin America. (General Education Code(s): IH, E.)

131H. *Cuba.*

Topic: Cuban revolution. Satisfies the Modern, Spanish, and World Literature concentrations; also satisfies the

Global distribution requirement. Enrollment limited to 20. (General Education Code(s): E.)

134C. *Fiction and Marginality: The Marginal at the Center.*

Marginalized perspectives take center stage in this course that studies ways Latin American/Latino authors textually contest dominant representations and realities, opening symbolic spaces for emergent historical subjects who gain agency and authority by re/presenting unmapped terrains. Texts include chronicles, "testimonios," writings of the self, and novels. Satisfies the Modern, Spanish, and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

226. *Teoria Critica en America Latina.*

An overview of contemporary theoretical issues in Latin American cultural critique. Course focuses on forms of cultural analysis by Jesus Martin Barbero, Martin Hopenhayn, Beatriz Sario, Nestore Garcia Canclini, Jose Joaquin Brunner, Celeste Olalquiaga, Nelly Richards, etc. Enrollment restricted to graduate students.

232A. *El mundo hispanico: siglos XIII-XVIII.*

Examines early manifestation of vernacular prose fiction in Spain and South America from thirteenth through eighteenth centuries. Requires students to be familiar with principal aspects of Spanish and South American social and political history. Enrollment restricted to graduate students.

World Literature and Cultural Studies

115A. *Fiction in a Global Context.*

Comparative examination of fiction in the modern world and of fictional responses to social change and crisis. Topic for fall 2004: literature in juxtaposition: scenes from American and East-Central European life. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement. May be repeated for credit.

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) History and Memory in the New World; (S) Modernity, Modernization, and the Latin American Novel. 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. Topic for fall 2004: 1898, Race, and Empire: Pre and Post. 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 transfer credit.

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 Engineering 3. Engineering 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 and Economics 11A. Prerequisite(s): course 2B or 3 or Engineering 3 or score of 31 on math 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 approximations, 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 and Economics 11A. Prerequisite(s): course 2B or 3 or Engineering 3 or score of 40 or higher on math 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 Math Placement Exam score of 46. Enrollment limited to 30.

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 25.

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.

105A. Real Analysis.

The basic concepts of one-variable calculus are treated carefully and rigorously. Set theory, the real number system, numerical sequences and series, continuity, differentiation. Prerequisite(s): 105A: 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 Engineering 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. Students cannot receive credit for course 111B and course 111T. Prerequisite(s): course 21 or Engineering 27 and either course 100 or Computer Science 101.

124. Introduction to Topology.

Topics include introduction to point set topology (topological spaces, continuous maps, connectedness, 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 finex 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.

200. Algebra I.

Group theory: fundamentals, free groups, p-groups, group action on a set, Sylow theorems, semidirect products, simple, nilpotent 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. Analysis I.

Metric spaces. Elements of point set topology (this includes Topological spaces, completeness, compactness, continuous functions, Urysohn lemma, Tychonoff theorem). Measure theory and the Lebesgue integral. The Fubini theorem and integration on product spaces. Prerequisite(s): course 105A or equivalent; course 105B is recommended.

222A. Algebraic Number Theory.

Topics include algebraic integers, completions, different and discriminant, cyclotomic fields, parallelotopes, the ideal function, ideles and adèles, elementary properties of zeta functions and L-series, local class field theory, global class field theory. Courses 200, 201, and 202 are 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.

228. Lie Incidence Geometries.

Linear incidence geometry is introduced. Linear and classical groups are reviewed, and geometries associated with projective and polar spaces are introduced. Characterizations are obtained.

232. Morse Theory.

Classical Morse Theory. The fundamental theorems relating to critical points to the topology of a manifold

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are treated in detail. The Bolt Periodicity Theorem. A specialized course offered every few years.

234A. Calculus on Manifolds.

Manifolds and differentiable structures, tangent and cotangent bundles, vector bundles, mappings, immersions and embeddings, transversality and Sard's theorem, tensors, vector fields and flows, differential forms, integration on manifolds, Stokes' theorem. Course 204 is recommended for preparation.

287. Topics in Topology.

Topics in topology, selected by the instructor. Possibilities include generalized (co)homology theory including K-theory, group actions on manifolds, equivariant and orbifold cohomology theory. May be repeated for credit.

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

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. 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. 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. 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. 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. 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. 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. 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. May be repeated for credit. (General Education Code(s): A.)

8. Balinese Gamelan Angklung (2 credits).

Instruction in practice and performance of gamelan music from Bali and Indonesia, including ritual and new music. Preparation of several works for public presentation. 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. May be repeated for credit. (General Education Code(s): A.)

11. 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. (General Education Code(s): IH, A.)

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.

An integrated and intensive approach to musicianship, harmony, species counterpoint, and analysis, including live class performance of all materials. Includes sight-singing, singing of atonal melody, score reading, keyboard harmony, dictation. Covers sixteenth through early nineteenth centuries. Specified keyboard skills must be demonstrated at the end of each quarter (see undergraduate *Music Student Handbook* for a complete listing of skills). Prerequisite(s): admission by core curriculum placement examination or by passing course 14 with a final examination score of approximately 80% or higher. Concurrent enrollment in 30L required; concurrent enrollment in course 60 unless prior keyboard training can be demonstrated. Enrollment limited to 20.

30L. Theory, Literature, and Musicianship I Laboratory (2 credits).

Keyboard (score-reading, figured-bass, progressions, chorales) and musicianship (sight-singing, atonal melody, rhythm) laboratory sequence illustrating topics covered in courses 30A-B-C, respectively. Two 1-hour laboratory sessions per week. Prerequisite(s): admission by core curriculum placement examination or by passing course 14 with a final examination score of approximately 80% or higher. Concurrent enrollment in course 30A required. 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. Enrollment limited to 20. 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. 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.)

80E. History of 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. (General Education Code(s): T4-Humanities and Arts, A, E.)

80H. American Popular Music.

Covers vernacular styles including Stephen Foster, vaudeville, Tin Pan Alley, the Hit Parade, blues, gospel, soul, rhythm and blues, Anglo-American folk ballads, country music, bluegrass, hillbilly, and the merger of these roots into rock and roll in the mid-1950s, the parallel development of doo-wop, girl groups, and the rise of rock with the British invasion in the mid-60s—mainly the Beatles. Musical experience helpful but not required. (General Education Code(s): T4-Humanities and Arts, A.)

80S. Women in Music.

An exploration of the sociological position of women as composers and performers in Western music history with a focus on specific figures from the Middle Ages to present. (Also offered as Women's Studies 80S. Students cannot receive credit for both courses.) Offered in alternate years. (General Education Code(s): T4-Humanities and Arts, A.)

100A. Theory, Literature, and Musicianship II.

Tonal counterpoint. Chromatic harmony and its ramifications. Introduction to twentieth-century methods of composition, including serial techniques. Prerequisite(s): courses 30C and 30N and Piano Proficiency Exam; instructor determination at first class meeting. Enrollment limited to 20.

101C. History of Western Art Music.

A 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.

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 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,

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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. 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. 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. 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. 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.

174A. Beginning Jazz Improvisation.

Introduction to the basics of jazz improvisation, including theory, harmony, rhythm, improvisation techniques, aesthetics and idiomatic devices. Exposure to jazz repertoire through in-class performances of swing, blues, modal and Latin styles. Enrollment limited to 20. May be repeated for credit.

200. Introduction to Research Methods.

A practical introduction to graduate study in music. Beginning with the kinds of questions asked, exploring the various strategies for finding answers, and finally presenting results in varied public forms (lecture, performance, research paper).

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 marine 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.

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

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.)

80G. Bioethics in the Twenty-First Century: Science, Business, and Society.

Serves science and non-science majors interested in bioethics. Guest speakers and instructors lead discussions of major ethical questions having arisen from research in genetics, medicine, and industries supported by this knowledge. (Also offered as Chemistry and Biochemistry 80G and Biomolecular Engineering 80G. Students cannot receive credit for all three courses.) (General Education Code(s): T2-Natural Sciences.)

80S. The Nature of Science.

A survey of what philosophers have said about the nature of science and scientific change. Emphasis is placed on whether science is best characterized as the gradual accumulation of truth or whether truth is irrelevant to

scientific change. (General Education Code(s): T6-Natural Sciences or Humanities and Arts.)

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.

106. Kant.

Intensive study of Kant's philosophy, particularly his epistemology and metaphysics developed in his *Critique of Pure Reason*. Prerequisite(s): one course in philosophy.

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.

145. Brave New World: Ethical Issues in Genetics.

Study of ethical issues involved in recent and upcoming advances in genetic research and technology such as genetic engineering, cloning, human embryo research, genetic experimentation, use of an individual's genetic information, and the manipulation of human evolution. Also discusses fundamental issues such as the moral responsibility of scientists, our obligations to future generations, and the notion of human perfectability. Prerequisite(s): one philosophy course.

171. Faith and Reason.

Recent work in analytic philosophy of religion, concentrating on traditional theism. Topics include arguments for and against the existence of God, religious experience, miracles, the relation of faith and reason, and problems such as freedom and divine foreknowledge. Prerequisite(s): course 9.

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.

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.

245. Brave New World: Ethical Issues in Genetics.

Ethical issues in genetic research and technology, including genetic engineering, cloning, stem cell research, uses of genetic information, and manipulation of human evo-

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lution. Also considers the moral responsibility of scientists, obligations to future generations, and the concept of human perfectibility. Students cannot receive credit for this course and course 145. Enrollment restricted to graduate philosophy majors.

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. Enrollment limited to 15.

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. Enrollment limited to 20.

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 20.

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. Enrollment limited to 40.

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 are billed for a course fee. Prerequisite(s): pass swimming skills tests and medical clearance. It is strongly recom-

mended that students enroll in course 5S. Enrollment limited to 24.

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 are billed for 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. Supervised teaching experience is also provided. Prerequisite(s): Basic Scuba Certification and special prerequisite checking by instructor. 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. Enrollment limited to 30.

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 are billed for 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 are billed for 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 are billed for 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 rowing 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 are billed for 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 are billed for 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 are billed for a course fee.

20B. Dance: Folk (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 are billed for a course fee. Enrollment limited to 40.

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 are billed for a course fee.

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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.

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 are billed for 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 are billed for 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 are billed for 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.

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.

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.

30L. Fitness Activities: Yoga Exercises (no credit).

Coeducational. Sections offered at beginning, continuing beginning, and advanced beginning levels of Hatha Yoga.

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.

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, corequisite of Mathematics 19A or 20A.

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 6A is required. Corequisite of Mathematics 11A or 19A or 20A.

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 and Mathematics 11B or 19B or 20B; concurrent enrollment in course 6C required. Corequisite: Mathematics 22 or 23A. 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 re-

search interests in these fields. The course is suggested for prospective physics majors, or others, before they enroll in the Physics 5 sequence.

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 114A.

114B. Mathematical Methods in Physics.

Functions of a complex variable including the residue theorem, integral transforms, special functions including the gamma, beta, and error functions, Legendre polynomials and Bessel functions, partial differential equations and boundary value problems, Green function techniques and the delta function. Offered in fall. Prerequisite(s): course 114A.

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 nonrelativistic quantum mechanics: the Schrödinger equation, Dirac notation, angular momentum, approximation methods, and scattering theory. Offered in fall. Prerequisite(s): course 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 114B.

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.

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, Machiavelli, Rousseau, Locke, and Arendt. (General Education Code(s): IS.)

25. American Social Policy.

Examines role of ideas, interests, and institutions in shaping contemporary social policy in the U.S. Focuses on political struggles and policies in the areas of social welfare, health care, and crime and drug control. (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 Subject A and Composition requirements. Enrollment restricted to sophomore, junior, and senior legal studies, politics, and Latin American and Latino studies/politics combined majors during open enrollment only. Enrollment limited to 20. (General Education Code(s): W.)

105B. Early Modern Political Thought.

A study of the republican and liberal traditions of political thought and politics. Authors studied include Machiavelli, Hobbes, Locke, and Rousseau. Examination of issues such as political corruption, community, authority, "scientific" politics, property, equality, and justice. (Formerly offered as *Modern Political Theory*.) (Also offered as Legal Studies 105B. 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.

Using case law, examines how the law structures and changes women's rights, gendered hierarchies, and sexualized power relations in both public and intimate life. Considers constitutional citizenship; sex, gender, and family rights; welfare rights; and the law's response to sex- and gender-based discrimination and violence. (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.

120A. Congress, President, and the Court in American Politics.

Study of political development, behavior, performance, and significance of central governmental institutions of the U.S. While focus is on historical development of Congress and the presidency and relationship between the two branches, attention is also given to the judiciary branch and bureaucracy. (Also offered as Legal Studies 120A. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only. Satisfies American History and Institutions Requirement.

140B. Comparative Post-Communist Politics.

Comparative study of revolutionary transformations of East European, Soviet, and former Soviet nations to post-Communist political orders. Focus on reemergence of political society, social and economic problems of transition, and maintenance of many cultural norms and authority patterns associated with previous regime.

160A. International Politics.

Upper-division introduction to international relations, international organizations, international political economy, foreign policy, conflict, and war. Explores a range of theories, issues and cases that are of interest to students of international affairs and are helpful in understanding recurring patterns of global conflict and cooperation. Addresses the nexus between domestic politics and the foreign policy of states. 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.

190H. The Substance of Democracy.

What is democracy? Why do we care about it? How can we identify it? Through political science, law, and philosophy, the course explores these questions and the issues of patronage, media manipulation, lobbying, campaign finance reform, and voter turnout. Prerequisite(s): course 100. Enrollment restricted to senior politics and combined politics/Latin American and Latino studies majors. Enrollment limited to 20.

190L. Welfare Policy and Politics.

Examines theoretical, historical, and contemporary empirical materials about the structure and impact of welfare policy and the politics of welfare reform. Prerequisite(s): course 100. Enrollment restricted to senior politics and Latin American and Latino studies/politics combined majors during priority enrollment only; major restrictions will be lifted during open enrollment. Enrollment limited to 20.

190N. Congress: The Politics of Representation and Legislation.

Examination of U.S. Congress in theoretical, comparative, and historical perspective. Topics include tension between representative and legislative processes, parliamentary versus presidential systems, party organization versus the new

entrepreneurism. Special attention given to nature and consequences of bicameralism. Prerequisite(s): courses 100 or 100A, and 120A. Enrollment restricted to senior legal studies, politics, and Latin American and Latino studies/politics combined majors during priority enrollment only; major restrictions will be lifted during open enrollment. Enrollment limited to 20.

200B. Social Forces and Political Change Core Seminar.

Concerns transformation of social forces into political ones. Focuses on formation, articulation, mobilization, and organization of political interests and identities, their mutual interaction, and their effects on state structures and practices and vice versa. Major themes are 1) social bases of political action: class, gender, race, and other determinants of social division and political identity and 2) relevant forms of political agency and action, including development of political consciousness and representation of interests and identities in the public sphere. Enrollment restricted to graduate students. Enrollment limited to 15.

271. Transnationalism.

Focuses on basic comparative politics concepts—such as the state, regime transition, economic development, and social movements—and then considers how the global context challenges these very same political phenomena. Explores the ontological and methodological repercussions of the nexus between the global and the domestic. (Formerly *Global Domestic Nexus*.) 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 two years 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. (General Education Code: IH for course 60B.) 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. Course 65B offered in fall. 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 Engineering 3 or Mathematics 2B or 3 or 11A or sufficiently high 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. 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.

20. Introduction to Cognitive Psychology.

Introduces basic concepts in cognitive psychology. Topics include thinking, consciousness, perceiving, language, remembering, reasoning, problem solving, and decision-making. Prerequisite(s): course 1.

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.

41. Psychology of Women.

Explores contemporary theories, findings, and social issues regarding the psychology of women. Emphasis is placed on understanding how gender role socialization influences women's beliefs and behaviors across the lifespan. Topics include achievement, intimate relationships, motherhood, mental health, violence against women, and empowerment. Students cannot receive credit for this course and course 140G. (General Education Code(s): IS.)

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.)

100B. The World of Babies.

Focuses on what infants know and how they learn about the physical and psychological aspects of the world (e.g., concepts of force, number, intention, belief, and so on). Also discusses possible ways to change or facilitate this learning. Satisfies seminar requirement. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

102. Adolescent Development: Adolescence into Young Adulthood.

Focuses on individual and relational development from early adolescence into young adulthood. Emphasis on the mutual influences of family relationships and adolescent development, and on the interface of family, peer

group, and school experience in cultural contexts. Prerequisite(s): courses 3 and 10.

103. Language Development.

An introduction to language development in children. Explores current theory and research in language development; focuses on the preschool years. Course satisfies seminar requirement. Enrollment restricted to senior psychology majors. Enrollment limited to 35.

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 sociocultural approach. Prerequisite(s): courses 3 and 10.

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 2 or Mathematics 5 or 7 or Biology 70.

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.

130A. Memory Distortion.

Most of the time, our memories serve us quite well. However, many of the strategies and mechanisms which help us remember accurately most of the time can also lead to errors. Examines various types of memory distortion and explores what memory errors can tell us about the mechanisms of memory. Satisfies seminar requirement. Students cannot receive credit for this course and course 129. Prerequisite(s): course 20 or an upper-division cognitive course strongly recommended. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

130B. Deception, Brain, and Behavior.

Focuses on behavioral and brain manifestations of deception. Topics include developmental changes that allow us to understand and to use deception, physical implications of lying expressed in the face, voice, posture, and brain activity. Also covers mechanical or behavioral techniques used in deceptive behavior, whether in the form of overt behavior or brain activity. Students cannot receive credit for this course and course 120F. Prerequisite(s): course 3; course 20 or any upper-division cognitive course strongly recommended.

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.

140M. Research Seminar in Crime and Media. Empirically examines several aspects of the criminal justice system (in particular, jury decision making and media effects on juror fairness and impartiality). In addition to extensive reading, students participate in research projects. Satisfies seminar requirement. Prerequisite(s): courses 147A and 147B; or Legal Studies 147A and 147B; or concurrent enrollment in course 147B or Legal Studies 147B. Enrollment restricted to psychology and legal studies majors. Enrollment limited to 30.

140Q. Social Psychology of Sex and Gender. Considers ways people's gender-stereotyped expectations bias their perceptions and self-fulfilling prophecies. Also examines power and status inequalities between women and men and institutional forms of discrimination. Prerequisite(s): courses 3 and 40.

140R. Peace Psychology. Is war inevitable? What is peace? Is it more than the absence of violence? Explore how psychology can help to decrease violence and enhance cooperation at multiple levels including the personal, interpersonal, community, and international arenas. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

141. Consumer Psychology. An advanced course on the social psychology of consumption. Topics include history of consumerism, consumer needs, market segmentation, advertising effectiveness, pricing, distribution channels, product design, and ethical issues of consumerism. Course satisfies seminar requirement. Enrollment restricted to psychology and business management economics majors. Enrollment limited to 30.

162A. The Psychology of Creativity. The study of creative people, processes, and places in the arts, literature, science, business, and education. Examines theories, systematic research, and case studies. Social roles, economic factors, child-rearing practices, and educational methods which may influence creativity are also studied. Prerequisite(s): course 3, course 60 is recommended as preparation.

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.

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 and 10; and 167 or 170.

191A. Introduction to Psychology. Students lead discussion groups and provide one-to-one tutoring for course 1. Enrollment limited to 20.

194A. Advanced Developmental Research. Provides students with intensive experience conducting current research in developmental psychology. May be repeated for credit.

194B. Advanced Cognitive Research. Provides students with intensive experience conducting current research in cognitive psychology. May be repeated for credit.

194C. Advanced Social Research. Provides students with intensive experience conducting current research in social psychology. 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 graduate students. Enrollment limited to 20.

221. Visual Perception. Seminar to study human perception, its methodology, and driving issues as illustrated by selected research topics (e.g., adaptation to unusual sensory environments). Where possible, parallels with other areas of psychology are drawn. Enrollment restricted to graduate students. Enrollment limited to 15.

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 cognitive 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.

246. Cultural Diversity in Human Development. Focuses on issues of culture and ethnicity in our theoretical and empirical understanding of human develop-

ment. Particular attention paid to issues of language, culture, and socialization as they relate to social institutions, such as education, that affect children and families. Enrollment restricted to graduate students. Enrollment limited to 20.

256. Psychology of Social Class and Economic Justice. Course examines the social psychological antecedents, correlates, and consequences of economic inequality in contemporary U.S. society. The impact of social class on attitudes, beliefs, and behaviors is assessed. Strategies for reducing classist discrimination and improving interclass relations are discussed. Enrollment restricted to graduate students. Enrollment limited to 10.

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.

290C. Professional Development (3 credits). Designed to aid advanced psychology graduate students with development of competence in professional activities (e.g., preparing a vita, making job and conference presentations, submitting and reviewing manuscripts and grant proposals, professional communication, career decisions). Multiple-term course; students receive 6 credits in the second quarter of attendance; the grade and evaluation submitted for the final quarter applies to the previous quarter. Enrollment restricted to advanced psychology graduate students. May be repeated for credit.

Russian

1. Instruction in the Russian Language. Aural comprehension, speaking, reading, and writing. Recitation and laboratory. Sequence begins in the 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.

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, maga-

zines, 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.

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.

103A. Statistical Methods (7 credits).

An introduction to the use of statistical methods in sociology. The use of statistics to describe or characterize data and information is an inescapable part of sociological research and writing. Statistical measures and statistical inference are the basis for quantitative work—surveys, demography, secondary data analysis—and is used in some qualitative methods as well, e.g., content analysis. Students must be concurrently enrolled in lab sections. (Formerly offered as course 104.) Prerequisite(s): Mathematics 3 or equivalent or a score on the mathematics placement exam or the College Board AP calculus exam sufficient to be placed into calculus. Enrollment restricted to sociology, proposed sociology, and combined sociology majors. (General Education Code(s): Q.)

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, and the combined Latin American and Latino studies/sociology majors.

110. Violence in the Family.

Examines child abuse and neglect, wife abuse, and sexual abuse in the family, using gender as a lens through which to understand domestic violence. Using a variety of

sources, the course undertakes to understand the social, political, and cultural forces that contribute to abuse and to consider solutions.

117. California Youth in Transition.

Explores modern California youth as a transitional generation whose trends signal a “new sociology” in the interplay of race, immigration, class, gender, and age. Examines the myths/realities of youth crime, violence, suicide, drug abuse, school failure, and other social issues. Course 1 or course 10 recommended but not required.

122C. Chicanas/os and the Law.

Surveys development and function of law and legal events affecting Chicanas and Chicanos, with specific emphasis on California. Highlights intersections of community, power relations, Mexican American history, family, culture, and gender roles as it relates to Chicanas/os’ roles with law and the criminal justice system. Prerequisite(s): course 1. Enrollment restricted to juniors and seniors. Enrollment limited to 30. (General Education Code(s): E.)

134. Television and the Nation.

The role of American network television in the production of the post-war American national imagination is our focus. Our approach will explore issues of media power, especially television’s industrial apparatus, its network structure, its strategies of representation in relationship to the construction of the image of the nation, and the meaning of citizens, consumers, and audiences. Prerequisite(s): satisfaction of the Subject A and Composition requirements. Enrollment restricted to juniors and seniors. (General Education Code(s): W.)

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.

141. Group Process.

The study of group development and interpersonal behavior based primarily on observation of the class discussion group. Readings are drawn from psychology and fiction as well as from sociology. Offered in alternate academic years. Enrollment restricted to senior sociology majors. Enrollment limited to 18.

144. Sociology of Women.

Analysis of the social significance and social production of gender. Some consideration of how sex differences have developed. Major emphasis on the impact of gender as a categorical imperative in the present social context. In this context, the course is also about sexual segregation, sexual inequality, and the dynamics of interpersonal power. Enrollment restricted to juniors and seniors. An introductory sociology course is recommended.

170. Ethnic and Status Groups.

Examines the enduring and changing status of ethnic and other visible minority groups in the United States, e.g., Latinos, Asian Americans, African Americans, and immigrants, with comparative materials drawn from other societies. An introductory course in ethnicity and race is recommended as preparation. Satisfies American History and Institutions Requirement. (General Education Code(s): E.)

178. Sociology of Social Problems.

Views “problems” in society not as given but as social constructs. Examines the ways in which conditions in society become identified and defined as problems and consequences that follow from such a process.

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.

179L. Nature, Poverty, and Progress Laboratory.

For enrollees in course 179, this optional lab provides opportunity to research ideas and produce a rough business plan for green enterprise of choice. Examples include compostable packaging, gray water systems, sustainable manufacturing, solar-powered submarines, green consulting, and other enterprises. Concurrent enrollment in course 179 required. Enrollment limited to 20.

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. Problematicizes the construction, maintenance, and reproduction of a theoretical canon in sociology. Enrollment restricted to graduate students in sociology and by permission code. 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 code.

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 code. Enrollment limited to 20.

230. Theory and Method in the Sociology of Marx.

Examines theoretical and methodological implications of Marxist theory for empirical social research. Analyzes how historians and social scientists apply Marxist method in explaining society, social change, globalization, culture, and late capitalism. Goal is to assist students to employ Marxist theory and method creatively in their research projects. Enrollment restricted to graduate students. Enrollment limited to 12.

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.

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 sociopolitical 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.)

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.)

156F. El humor en Español.

Topic-oriented language course on sociopolitical and historical issues as seen through humor in different genres and media. Topics include Mafalda and Condorito (comic strips), Rius (collage of comic strips, photographs and original documents), Continflas and Almodovar (cinema), El Teatro Campesino (theater), Ana L. Vega (literature), Les Luthiers (song and music). Course deals with written and oral discourse pertaining to the following Spanish language varieties: Rio de la Plata, Mexican, Caribbean, U.S., and Peninsular. Intensive writing and speaking in Spanish. Prerequisite(s): courses 6, 56, Spanish for Spanish Speakers 63 or Spanish placement examination score of 70.

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 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.)

17. Costume Construction.

The process of interpreting a costume designer's sketch into a finished theatrical costume. Some techniques included are dyeing, fabric selection, draping, flat pattern drafting, pattern manipulation, adaptation, fitting, and alteration. Using various techniques, students make basic pattern pieces and learn to modify them to create costumes. Students are billed for a materials fee. Enrollment limited to 20. (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 for a materials fee. May be repeated for credit. (General Education Code(s): IH, A.)

32. Introduction to Ballet.

Introduction to ballet basics such as healthy alignment, anatomically sound articulation of hips and feet, balance control, moving through space harmoniously, and de-

velopment of technical strength and combinative capacity in a classical, but fluid, aesthetic. Students are billed for a materials fee. Enrollment limited to 35. May be repeated for credit. (General Education Code(s): IH, A.)

36. Introduction to Dance Composition.

Composing solo dances using a variety of approaches for developing movement combinations. Observation and recognition of personal movement patterns and discovering new sources for creative material. Students are billed for a materials fee. May be repeated for credit. (General Education Code(s): IH, A.)

40. Introduction to Directing.

An overview of the analytical and creative processes that inform the director's work. Close examination of texts, concepts, and directorial choices in staged performances, opera, films, and video. (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.)

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 sixteenth century (theater, drama, dance). (General Education Code(s): IH, 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.)

105. Introduction to Digital Media Design.

Introduction to digital media design for live theater. Primary focus on developing working understanding of Adobe Photoshop, Final Cut Pro, and DVD Studio Pro as applied to digital media design. Gives additional attention to theoretical questions raised by introduction of moving images in a theatrical space, visual composition, and editing practices. Enrollment limited to 15. (General Education Code(s): A.)

114. Design Studio: Sound.

The intangible and transitory nature of the acoustic reality. Electronically regenerated sounds for use in the performing arts. Broad scope of the course consideration begins with found sound and includes sound propagation. Emphasis on tape-recording, editing, sound control functions, and equipment utility. Students are billed for a materials fee. Prerequisite(s): course 10. (General Education Code(s): A.)

PUBLICATIONS UPDATE

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.)

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. Enrollment limited to 18. (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. May be repeated for credit. (General Education Code(s): A.)

155. Workshop Experiments in Performance.

A process-oriented investigation of specific playwrights or theatrical styles consisting of work which may culminate in a final production. 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 Subject A and Composition requirements. May be repeated for credit. (General Education Code(s): W,A.)

161R. Theater of American Cultures.

Interrelationship of ethnicity and the rise of significant American theater groups including the black theater movement, Chicano Teatro, and Asian American theater will be shared via lecture, viewing, and discussion. (General Education Code(s): A, E.)

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.)

80S. Women in Music.

An exploration of the sociological position of women as composers and performers in Western music history with a focus on specific figures from the Middle Ages to present. (Also offered as Music 80S. Students cannot receive credit

for both courses.) Offered in alternate years. (General Education Code(s): T4-Humanities and Arts, A.)

112. Women and the Law.

Using case law, examines how the law structures and changes women's rights, gendered hierarchies, and sexualized power relations in both public and intimate life. Considers constitutional citizenship; sex, gender, and family rights; welfare rights; and the law's response to sex- and gender-based discrimination and violence. Enrollment restricted to women's studies, politics, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only. (Also offered as Politics 112. Students cannot receive credit for both courses.)

155. Women Workers in Transnational Context.

Examines women's work in context of globalization, i.e., creation of a division of labor extending beyond national borders, beginning in fifteenth century and manifesting itself more recently with proliferation of factories owned by multinational corporations largely dependent on labor of women in third-world countries. Focus on contemporary issues placed in historical context. Prerequisite(s): course 1A or 1B. Enrollment restricted to juniors and seniors. 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 Feminism*, 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.

212. Feminist Theory and the Law.

Interrogation of the relationship between law and its instantiating gendered categories, supported by feminist, queer, Marxist, critical race, and postcolonial theories. Topics include hypostasization of legal categories, the contest between domestic and international human rights frameworks, overlapping civil and communal codes, cultural explanations in the law, the law as text and archive, testimony and legal subjectivity. Enrollment restricted to graduate students. Enrollment limited to 15.

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.

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.

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

UCSC Rape Prevention Education 459-2721



graphic by Dorothy Dobbyn

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

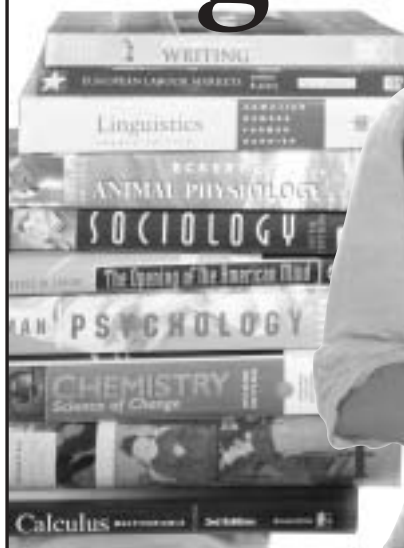
♀ *Together we can make a difference!* ♂

Forgetting Something?

You won't recall every single day you spend on campus, but the experience will change your life. You won't remember every single thing they teach in class, either. That's why we have the textbook.

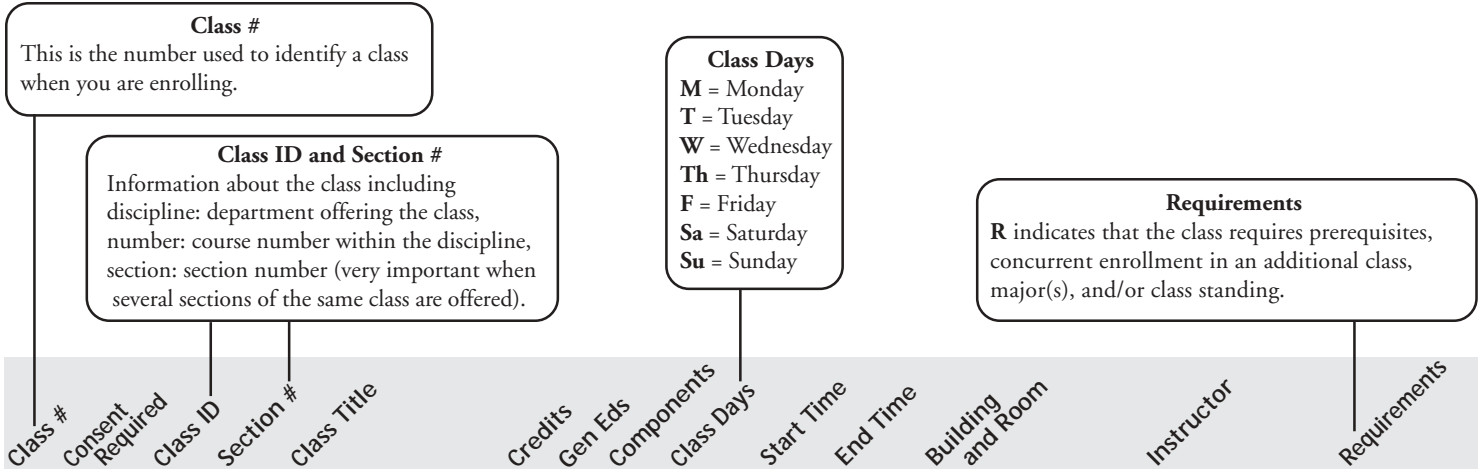
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Reading the Class Listings



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	LAB	W	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.

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
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COLLEGE EIGHT

24238	Y	CLEI-42B-01		SDS:Ecopsych/SocChg	5	SEM	TTh		04:00P-05:45P		Crown Clrm 201	Staff	
13823		CLEI-80-01		Environmt & Society	5	3 LEC	MWF	Th	09:30A-10:40A 07:00P-08:45P		Eight Acad 242 Media Theater M110	Staff Spafford,R.L.	R
<i>Your college will be enrolling you in the appropriate section of the Core Course. Please check with the College Eight Office.</i>													
13824		CLEI-80-02		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		09:30A-10:40A		TBA	Staff	
13825		CLEI-80-03		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		09:30A-10:40A		TBA	Staff	
13826		CLEI-80-04		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		08:00A-09:10A		Eight Acad 250	Staff	
13827		CLEI-80-05		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		08:00A-09:10A		Eight Acad 242	Staff	
13828		CLEI-80-06		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		09:30A-10:40A		TBA	Staff	
13829		CLEI-80-07		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		11:00A-12:10P		Eight Acad 242	Staff	
13830		CLEI-80-08		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		02:00P-03:10P		Eight Acad 242	Staff	
13831		CLEI-80-09		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		12:30P-01:40P		Eight Acad 242	Staff	
13832		CLEI-80-10		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		12:30P-01:40P		Eight Acad 250	Staff	
23870		CLEI-80-11		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		11:00A-12:10P		Eight Acad 252	Scripture,D.D.	
13833		CLEI-80-12		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		12:30P-01:40P		Eight Acad 252	Scripture,D.D.	
13834		CLEI-80-13		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		09:30A-10:40A		Eight Acad 250	Mc Kercher,P.M.	
13835		CLEI-80-14		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		11:00A-12:10P		Eight Acad 250	Mc Kercher,P.M.	
13836		CLEI-80-15		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		09:30A-10:40A		Eight Acad 252	Staff	
13837		CLEI-80-16		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		11:00A-12:10P		TBA	Staff	
13838		CLEI-80-17		Environmt & Society	5	3 LEC	Th		07:00P-08:45P		Media Theater M110	Spafford,R.L.	R
							MWF		12:30P-01:40P		TBA	Staff	
13840		CLEI-90-01		Garden Internship	1	SEM	T		04:00P-05:30P		Eight Garden	Gliessman,S.R.	R
23898		CLEI-90-02		Garden Internship	1	SEM	T		04:00P-05:30P		Eight Garden	Calsoyas,C.	R
		CLEI-99-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CLEI-99F-XXX		Tutorial	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CLEI-195-XXX		Senior Thesis	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CLEI-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CLEI-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CLEI-199F-XXX		Tutorial	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

COLLEGE NINE

24031		CLNI-80A-01		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 363	Staff	R
24034		CLNI-80A-02		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 171	Staff	R
24036		CLNI-80A-03		Intnl Perspectives	5	3 SEM	MWF		02:00P-03:10P		Soc Sci 2 171	Staff	R
24037		CLNI-80A-04		Intnl Perspectives	5	3 SEM	MWF		09:30A-10:40A		Soc Sci 2 171	Staff	R
24035		CLNI-80A-05		Intnl Perspectives	5	3 SEM	MWF		02:00P-03:10P		Soc Sci 2 363	Staff	R
24038		CLNI-80B-01		Intnl Perspectives	5	3 SEM	MWF		09:30A-10:40A		Soc Sci 1 145	Staff	R
24039		CLNI-80B-02		Intnl Perspectives	5	3 SEM	MWF		09:30A-10:40A		Soc Sci 1 149	Staff	R
24040		CLNI-80B-03		Intnl Perspectives	5	3 SEM	MWF		09:30A-10:40A		Soc Sci 1 153	Staff	R
24041		CLNI-80B-04		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 159	Staff	R
24042		CLNI-80B-05		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 165	Staff	R
24043		CLNI-80B-06		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 167	Staff	R
24044		CLNI-80B-07		Intnl Perspectives	5	3 SEM	MWF		02:00P-03:10P		Soc Sci 1 145	Staff	R
24045		CLNI-80B-08		Intnl Perspectives	5	3 SEM	MWF		02:00P-03:10P		Soc Sci 1 149	Staff	R
24046		CLNI-80B-09		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 2 141	Staff	R
24047		CLNI-80B-10		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 1 145	Staff	R
24048		CLNI-80B-11		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 1 153	Staff	R
24049		CLNI-80B-12		Intnl Perspectives	5	3 SEM	MWF		02:00P-03:10P		Soc Sci 1 153	Staff	R
24060	Y	CLNI-80H-01		Intnl Perspectives	5	3 SEM	MWF		12:30P-01:40P		Soc Sci 1 149	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
CLNI-193-XXX				Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	R
CLNI-193F-XXX				Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	R
CLNI-199-XXX				Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
CLNI-199F-XXX				Independent Study <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	

COLLEGE TEN

24026		CLTE-80A-01		Soc Jstc & Cmmnty	5	3	SEM	MWF	09:30A-10:40A		Soc Sci 2 141	Staff	R
24027		CLTE-80A-02		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 2 141	Staff	R
24028		CLTE-80A-03		Soc Jstc & Cmmnty	5	3	SEM	MWF	02:00P-03:10P		Soc Sci 2 141	Staff	R
24029		CLTE-80A-04		Soc Jstc & Cmmnty	5	3	SEM	MWF	09:30A-10:40A		Soc Sci 2 363	Staff	R
24030		CLTE-80A-05		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 2 171	Staff	R
24032		CLTE-80B-01		Soc Jstc & Cmmnty	5	3	SEM	MWF	09:30A-10:40A		Soc Sci 2 165	Staff	R
24033		CLTE-80B-02		Soc Jstc & Cmmnty	5	3	SEM	MWF	09:30A-10:40A		Soc Sci 2 167	Staff	R
24050		CLTE-80B-03		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 2 159	Staff	R
24051		CLTE-80B-04		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 2 165	Staff	R
24052		CLTE-80B-05		Soc Jstc & Cmmnty	5	3	SEM	MWF	02:00P-03:10P		Soc Sci 2 159	Staff	R
24053		CLTE-80B-06		Soc Jstc & Cmmnty	5	3	SEM	MWF	02:00P-03:10P		Soc Sci 2 165	Staff	R
24054		CLTE-80B-07		Soc Jstc & Cmmnty	5	3	SEM	MWF	02:00P-03:10P		Soc Sci 2 167	Staff	R
24055		CLTE-80B-08		Soc Jstc & Cmmnty	5	3	SEM	MWF	09:30A-10:40A		Soc Sci 2 159	Staff	R
24056		CLTE-80B-09		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 1 145	Staff	R
24057		CLTE-80B-10		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 1 153	Staff	R
24058		CLTE-80B-11		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 1 149	Staff	R
24059	Y	CLTE-80H-01		Soc Jstc & Cmmnty	5	3	SEM	MWF	11:00A-12:10P		Soc Sci 2 167	Staff	
		CLTE-193-XXX		Field Study <i>See Enrollment Conditions for instructions</i>	5	FLI			**To Be Arranged**		TBA	Staff	R
		CLTE-193F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	R
		CLTE-199-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		CLTE-199F-XXX		Independent Study <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	

COWELL COLLEGE

23968		COWL-70-01		Book Arts	5	A	STU	MW	01:00P-04:00P		Cowell Press 123	Kane,G.R.	
15303		COWL-80-01		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Com 147	Staff	
				<i>All Cowell freshpersons must enroll in a section of Cowell 80 at either 9:30 or 12:30. Students who have satisfied the Subject A requirement should enroll in sections 1 through 10. Students who have not satisfied the subject A Requirement should enroll in section 17 or 18. Students in sections 17 and 18 will be assigned to smaller seminar sections at the beginning of fall quarter. Please refer to the instructions in the Cowell advising packet for details on enrolling in the core course.</i>									
15304		COWL-80-02		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Com 147	Staff	
15305		COWL-80-03		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Acad 223	Staff	
15306		COWL-80-04		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Acad 223	Staff	
15307		COWL-80-05		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Com 132	Staff	
15308		COWL-80-06		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Com 132	Staff	
15309		COWL-80-07		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Acad 113	Staff	
15310		COWL-80-08		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Acad 113	Staff	
15311		COWL-80-09		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Com 134	Staff	
15312		COWL-80-10		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Com 134	Staff	
23964		COWL-80-11		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Com 133	Staff	
23965		COWL-80-12		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Com 133	Staff	
15313		COWL-80-13		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Acad 222	Staff	
15314		COWL-80-14		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Acad 222	Staff	
15315		COWL-80-15		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		Cowell Acad 216	Staff	
15316		COWL-80-16		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		Cowell Acad 216	Staff	
23966		COWL-80-17		Cowell Core Course	5	4	SEM	MWF	09:30A-10:40A		TBA	Staff	
23967		COWL-80-18		Cowell Core Course	5	4	SEM	MWF	12:30P-01:40P		TBA	Staff	

CROWN COLLEGE

23950		CRWN-80-01		Eth Iss Emerg Tech	5	6	SEM	MW	12:30P-01:40P		Crown Clrm 202	Staff	R
								M	09:30A-10:40A		Classroom 002	Staff	
				<i>Please note: if you have already satisfied your Subject A requirement, you should enroll in any section from 10-19. If you have not satisfied the Subject A requirement, enroll in any section from 1-9. For more detailed instructions on enrolling in the core, refer to the college core course web site. Frosh entering winter or spring quarter need to contact the Academic Programs Coordinator in the Crown Provost's Office.</i>									
15383		CRWN-80-02		Eth Iss Emerg Tech	5	6	SEM	MW	02:00P-03:10P		Crown Clrm 202	Staff	R
								M	09:30A-10:30A		Classroom 002		
15384		CRWN-80-03		Eth Iss Emerg Tech	5	6	SEM	MW	03:30P-04:40P		Crown Clrm 201	Staff	R
								M	09:30A-10:40A		Classroom 002		
15385		CRWN-80-04		Eth Iss Emerg Tech	5	6	SEM	TTh	10:00A-11:10A		Crown Clrm 202	Staff	R
								M	09:30A-10:40A		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
15386		CRWN-80-05		Eth Iss Emerg Tech	5	6 SEM	TTh		12:00P-01:10P		Crown Clrm 201 Classroom 002	Staff	R
15387		CRWN-80-06		Eth Iss Emerg Tech	5	6 SEM	MW		12:30P-01:40P		Crown Clrm 201 Classroom 002	Staff	R
15388		CRWN-80-07		Eth Iss Emerg Tech	5	6 SEM	MWF		02:00P-03:10P		Crown Clrm 201 Classroom 002	Staff	R
15389		CRWN-80-08		Eth Iss Emerg Tech	5	6 SEM	TTh		02:00P-03:10P		Crown Clrm 201 Classroom 002	Staff	R
15390		CRWN-80-09		Eth Iss Emerg Tech	5	6 SEM	TTh		06:00P-07:10P		Crown Clrm 201 Classroom 002	Staff	R
15391		CRWN-80-10		Eth Iss Emerg Tech	5	6 SEM	MW		02:00P-03:10P		Crown Clrm 203 Classroom 002	Staff	R
15392		CRWN-80-11		Eth Iss Emerg Tech	5	6 SEM	MW		12:30P-01:40P		Crown Clrm 203 Classroom 002	Staff	R
15393		CRWN-80-12		Eth Iss Emerg Tech	5	6 SEM	TTh		02:00P-03:10P		Crown Clrm 203 Classroom 002	Staff	R
15394		CRWN-80-13		Eth Iss Emerg Tech	5	6 SEM	TTh		12:00P-01:10P		Crown Clrm 203 Classroom 002	Staff	R
23951		CRWN-80-14		Eth Iss Emerg Tech	5	6 SEM	MW		03:30P-04:40P		Crown Clrm 203 Classroom 002	Staff	R
15395		CRWN-80-15		Eth Iss Emerg Tech	5	6 SEM	TTh		12:00P-01:10P		Crown Clrm 202 Classroom 002	Staff	R
15396		CRWN-80-16		Eth Iss Emerg Tech	5	6 SEM	TTh		10:00A-11:10A		Crown Clrm 203 Classroom 002	Staff	R
15397		CRWN-80-17		Eth Iss Emerg Tech	5	6 SEM	TTh		06:00P-07:10P		Crown Clrm 202 Classroom 002	Staff	R
23952		CRWN-80-18		Eth Iss Emerg Tech	5	6 SEM	MW		03:30P-04:40P		Crown Clrm 202 Classroom 002	Staff	R
15398		CRWN-80-19		Eth Iss Emerg Tech	5	6 SEM	TTh		02:00P-03:10P		Crown Clrm 202 Classroom 002	Staff	R
15406	Y	CRWN-184A-01		Leadership & Instit <i>See Enrollment Conditions for instructions</i>	2	LEC	M		05:00P-07:00P		TBA	Staff	R

KRESGE COLLEGE

24247		KRSG-80-01		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		09:30A-10:40A		Kresge Clrm 323		
24248		KRSG-80-02		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		11:00A-12:10P		Kresge Clrm 323		
18399		KRSG-80-03		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		09:30A-10:40A		Kresge Clrm 319		
18400		KRSG-80-04		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		11:00A-12:10P		Kresge Clrm 319		
18401		KRSG-80-05		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		09:30A-10:40A		Kresge Acad 194		
18402		KRSG-80-06		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		11:00A-12:10P		Kresge Acad 194		
18403		KRSG-80-07		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		09:30A-10:40A		Kresge Clrm 325		
18404		KRSG-80-08		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		11:00A-12:10P		Kresge Clrm 325		
18405		KRSG-80-09		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		11:00A-12:10P		Kresge Rec 159		
23866		KRSG-80-10		Cultural Intersect	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	
							MWF		09:30A-10:40A		Kresge Rec 159		
18407		KRSG-80H-01		Power&Represntation	5	5 SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	R
							MWF		02:00P-03:10P		Kresge Rec 159		
18408		KRSG-80T-01		Cultural Intersect	5	5W SEM	W		07:00P-09:00P		Krsg Town Hall 466	Staff	R
							MWF		11:00A-12:10P		TBA		
		KRSG-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		KRSG-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		KRSG-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		KRSG-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		KRSG-195-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		KRSG-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		KRSG-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
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MERRILL COLLEGE

19940		MERR-80-01		Cultr Id/Glob Consc	5	3E SEM	MWF	W	08:00A-09:10A 09:30A-10:40A		Ch Merr Rm 100 Classroom 002	Staff	
<i>The Wednesday 9:30a.m. General Lecture is required of all core course students. Please refer to the instructions in the academic advising packet from your college for details on enrolling in the core course. If you have already satisfied your UC Writing requirement, you should enroll in a core course section numbered 1-6. Those who have not, should enroll in sections numbered 7-11. Contact the college to verify your status if you are unsure. For more information about the Merrill Core Course, visit the web site at http://www2.ucsc.edu/merrill/academics.</i>													
19941		MERR-80-02		Cultr Id/Glob Consc	5	3E SEM	MWF	W	09:30A-10:40A 09:30A-10:40A		Ch Merr Rm 100 Classroom 002	Staff	
19942		MERR-80-03		Cultr Id/Glob Consc	5	3E SEM	MWF	W	02:00P-03:10P 09:30A-10:40A		Ch Merr Rm 100 Classroom 002	Staff	
19943		MERR-80-04		Cultr Id/Glob Consc	5	3E SEM	TTh	W	10:00A-11:45A 09:30A-10:40A		Merrill Baobab I 12A Classroom 002	Staff	
19944		MERR-80-05		Cultr Id/Glob Consc	5	3E SEM	TTh	W	10:00A-11:45A 09:30A-10:40A		Ch Merr Rm 100 Classroom 002	Staff	
19945		MERR-80-06		Cultr Id/Glob Consc	5	3E SEM	TTh	W	12:00P-01:45P 09:30A-10:40A		Merrill Acad 130 Classroom 002	Staff	
19946		MERR-80-07		Cultr Id/Glob Consc	5	3E SEM	MWF	W	11:00A-12:10P 09:30A-10:40A		Merrill Acad 002 Classroom 002	Staff	
19947		MERR-80-08		Cultr Id/Glob Consc	5	3E SEM	MWF	W	12:30P-01:40P 09:30A-10:40A		Merrill Acad 002 Classroom 002	Staff	
19948		MERR-80-09		Cultr Id/Glob Consc	5	3E SEM	MWF	W	12:30P-01:40P 09:30A-10:40A		Merrill Acad 003 Classroom 002	Staff	
19949		MERR-80-10		Cultr Id/Glob Consc	5	3E SEM	TTh	W	08:00A-09:45A 09:30A-10:40A		Merrill Acad 002 Classroom 002	Staff	
19950		MERR-80-11		Cultr Id/Glob Consc	5	3E SEM	TTh	W	10:00A-11:45A 09:30A-10:40A		Merrill Acad 002 Classroom 002	Staff	
19955	Y	MERR-80X-01		Cultr Id/Glob Consc	5	3E SEM	MWF	W	09:30A-10:40A 09:30A-10:40A		Merrill Prov 001 Classroom 002	Schechter, J.M.	
<i>See Enrollment Conditions for instructions</i>													
24197	Y	MERR-85A-01		Classrm Connection	5	FLD			**To Be Arranged**		TBA	Turrentine, T.	
<i>See Enrollment Conditions for instructions</i>													
24198	Y	MERR-85B-01		Classrm Connection	3	FLD			**To Be Arranged**		TBA	Turrentine, T.	
<i>See Enrollment Conditions for instructions</i>													

OAKES COLLEGE

20605		OAKS-10-01		Academic Success	2	SEM	TTh		04:00P-05:45P		Oakes Acad 222	Staff	
20606		OAKS-80-01		Values & Change	5	5E SEM	MWF	W	09:30A-10:40A 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
<i>All Oakes frosh are required to take Oakes 80, the Oakes College Core Course. Please refer to the advising packet from your college for details on enrolling in the course.</i>													
20607		OAKS-80-02		Values & Change	5	5E SEM	MWF	W	09:30A-10:40A 07:00P-09:45P		Oakes Acad 222 Media Theater M110	Staff	R
23754		OAKS-80-03		Values & Change	5	5E SEM	MWF	W	11:00A-12:10P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
23755		OAKS-80-04		Values & Change	5	5E SEM	MWF	W	11:00A-12:10P 07:00P-09:45P		Oakes Acad 222 Media Theater M110	Staff	R
20608		OAKS-80-05		Values & Change	5	5E SEM	MWF	W	12:30P-01:40P 07:00P-09:45P		Oakes Acad 222 Media Theater M110	Staff	R
20609		OAKS-80-06		Values & Change	5	5E SEM	MWF	W	12:30P-01:40P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20610		OAKS-80-07		Values & Change	5	5E SEM	MWF	W	02:00P-03:10P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20611		OAKS-80-08		Values & Change	5	5E SEM	MWF	W	02:00P-03:10P 07:00P-09:45P		Oakes Acad 103 Media Theater M110	Staff	R
20612		OAKS-80-09		Values & Change	5	5E SEM	MWF	W	03:30P-04:40P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20613		OAKS-80-10		Values & Change	5	5E SEM	TTh	W	12:00P-01:45P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20614		OAKS-80-11		Values & Change	5	5E SEM	TTh	W	02:00P-03:45P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20615		OAKS-80-12		Values & Change	5	5E SEM	TTh	W	04:00P-05:45P 07:00P-09:45P		Oakes Acad 101 Media Theater M110	Staff	R
20621		OAKS-85-01		Oakes Community Svc	3	FLD	T		07:00P-08:45P		Oakes Acad 102	Casey, T.	
		OAKS-93-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
<i>See sponsoring agency for class number</i>													
		OAKS-99F-XXX		Independent Study	2	IND			**To Be Arranged**		TBA	Staff	
<i>See sponsoring agency for class number</i>													
		OAKS-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	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
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OAKS-199F-XXX Independent Study 2 IND **To Be Arranged** TBA Staff
 See sponsoring agency for class number

PORTER COLLEGE

21758	PRTR-22A-01	Day of the Dead	2	A SEM F	04:30P-06:30P	Porter Din 002	Apodaca,R.
21759	PRTR-80-01	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Acad 222		
21760	PRTR-80-02	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Fire 101		
23649	PRTR-80-03	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Acad 249		
21761	PRTR-80-04	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Acad 246		
21762	PRTR-80-05	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Acad 241		
21763	PRTR-80-06	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Din 002		
21764	PRTR-80-07	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	Porter Fire 101		
21765	PRTR-80-08	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	TBA		
23652	PRTR-80-09	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	TBA		
23654	PRTR-80-10	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	TBA		
23655	PRTR-80-11	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 09:30A-10:40A	TBA		
23656	PRTR-80-12	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Acad 250		
21766	PRTR-80-13	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Acad 249		
21767	PRTR-80-14	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Acad 246		
21768	PRTR-80-15	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Din 002		
21769	PRTR-80-16	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Acad 241		
21770	PRTR-80-17	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 11:00A-12:10P	Porter Acad 222		
21771	PRTR-80-18	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 12:30P-01:40P	Porter Acad 249		
21772	PRTR-80-19	Arts Multicultr Soc	5	4E LEC M	08:00P-10:00P	Porter Din 001	Staff
				MWF 02:00P-03:10P	Porter Acad 241		
21773	PRTR-80-20	Arts Multicultr Soc	5	4E LEC M	03:30P-04:40P	Porter Acad 249	Staff
				M 08:00P-10:00P	Porter Din 001		
21776	Y PRTR-80H-01	Arts Multicultr Soc	5	4E SEM M	08:00P-10:00P	Porter Din 001	Jones,D.E.
				MWF 09:30A-10:40A	Porter Acad 250		
23660	PRTR-121D-01	Sudanese Gamelan	2	A STU Th	02:00P-04:00P	Gamelan Stu 230B	Sumarna,U.
21783	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**	TBA	Staff

See sponsoring agency for class number

STEVENSON COLLEGE

22990	STEV-80A-01	Self and Society	5	5 SEM TTh	10:00A-11:45A	Steven Acad 221	Staff
				M 07:00P-09:00P	Steven Din 180		
22991	STEV-80A-02	Self and Society	5	5 SEM TTh	10:00A-11:45A	Steven Acad 151	Staff
				M 07:00P-09:00P	Steven Din 180		
22992	STEV-80A-03	Self and Society	5	5 SEM MWF	12:30P-01:40P	Steven Acad 152	Staff
				M 07:00P-09:00P	Steven Din 180		
22993	STEV-80A-04	Self and Society	5	5 SEM MWF	09:30A-10:40A	Steven Acad 152	Staff
				M 07:00P-09:00P	Steven Din 180		
22994	STEV-80A-05	Self and Society	5	5 SEM MWF	09:30A-10:40A	Steven Acad 221	Staff
				M 07:00P-09:00P	Steven Din 180		
22995	STEV-80A-06	Self and Society	5	5 SEM MWF	12:30P-01:40P	Steven Acad 221	Staff
				M 07:00P-09:00P	Steven Din 180		
22996	STEV-80A-07	Self and Society	5	5 SEM MWF	08:00A-09:10A	Steven Acad 151	Staff
				M 07:00P-09:00P	Steven Din 180		
22997	STEV-80A-08	Self and Society	5	5 SEM MWF	12:30P-01:40P	TBA	Staff
				M 07:00P-09:00P	Steven Din 180		
22998	STEV-80A-09	Self and Society	5	5 SEM MWF	09:30A-10:40A	Steven Acad 151	Staff
				M 07:00P-09:00P	Steven Din 180		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23969		STEV-80A-10		Self and Society	5	5 SEM	MWF		12:30P-01:40P		Steven Acad 151	Staff	
							M		07:00P-09:00P		Steven Din 180		
22999		STEV-80A-11		Self and Society	5	5 SEM	TTh		10:00A-11:45A		Steven Acad 213	Staff	
							M		07:00P-09:00P		Steven Din 180		
23000		STEV-80A-12		Self and Society	5	5 SEM	MWF		02:00P-03:10P		Steven Acad 152	Staff	
							M		07:00P-09:00P		Steven Din 180		
23001		STEV-80A-13		Self and Society	5	5 SEM	MWF		09:30A-10:40A		Steven Acad 217	Staff	
							M		07:00P-09:00P		Steven Din 180		
23002		STEV-80A-14		Self and Society	5	5 SEM	MWF		12:30P-01:40P		Steven Acad 217	Staff	
							M		07:00P-09:00P		Steven Din 180		
23003		STEV-80A-15		Self and Society	5	5 SEM	MWF		09:30A-10:40A		TBA	Staff	
							M		07:00P-09:00P		Steven Din 180		
23004		STEV-80A-16		Self and Society	5	5 SEM	TTh		10:00A-11:45A		Steven Acad 217	Staff	
							M		07:00P-09:00P		Steven Din 180		
23006		STEV-80H-01		Rainbow Theater	5	4E SEM			**To Be Arranged**		TBA	Staff	
		STEV-194-XXX		Group Tutorial	5	IND			**To Be Arranged**		TBA	Staff	R
				<i>See sponsoring agency for class number</i>									
		STEV-194F-XXX		Group Tutorial	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		STEV-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		STEV-199F-XXX		Tutorial	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

AMERICAN STUDIES

10001		AMST-2-01		Calif & Californian	5	HE LEC	TTh		08:00A-09:45A		Classroom 002	Robinson,F.G.	
							T		08:00P-10:30P		Classroom 002		
24249		AMST-42P-01		SDS:QueerThery/StrTrk	5	SEM	MW		05:00P-06:45P		Soc Sci 1 161	Sheldon,J.	
24160		AMST-80E-01		US Racial/EthncHist	5	5E LEC	TTh		04:00P-05:45P		Steven Acad 175	Ramirez,C.S.	
24161		AMST-80E-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24162		AMST-80E-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24163		AMST-80E-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24164		AMST-80E-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
		AMST-93-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-99-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
23518		AMST-104B-01		Labor&Working Class	5	LEC	MWF		02:00P-03:10P		Porter Acad 144	Frank,D.L.	
				<i>Also offered as HIS 104B</i>									
23519		AMST-109B-01		Scifi Multicultl Amr	5	LEC	TTh		12:00P-01:45P		Soc Sci 2 075	Ramirez,C.S.	R
24079		AMST-112-01		Immigration & Assim	5	LEC	MW		05:00P-06:45P		Kresge Clrm 321	Lipsitz,G.	
24080		AMST-112-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24081		AMST-112-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24082		AMST-112-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24083		AMST-112-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24084		AMST-112-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24085		AMST-112-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23520		AMST-125E-01		Jazz Cultures	5	E SEM	MW		07:00P-08:45P		Eight Acad 240	Porter,E.C.	
24086		AMST-125X-01		Hip Hop Music Ctr	5	E LEC	TTh		02:00P-03:45P		Classroom 002	Rose,P.L.	
24279		AMST-127A-01		Asian Amer Culture	5	E SEM	TTh		04:00P-05:45P		Oakes Acad 106	Wang,A.	
		AMST-192-XXX		Dir Stu Teach	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-194-XXX		Group Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-195A-XXX		Senior Project	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-195B-XXX		Senior Project	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		AMST-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

ANTHROPOLOGY

10216		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>									
10217		ANTH-1-01A		Discussion		DIS	M		12:30P-01:40P		Soc Sci 1 461	Staff	
10218		ANTH-1-01B		Discussion		DIS	M		02:00P-03:10P		Soc Sci 1 461	Staff	
10219		ANTH-1-01C		Discussion		DIS	M		03:30P-04:40P		Soc Sci 1 461	Staff	
10220		ANTH-1-01D		Discussion		DIS	M		05:00P-06:10P		Soc Sci 1 461	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
10221		ANTH-1-01E		Discussion		DIS	T		08:00A-09:10A		Soc Sci 1 461	Staff	
10222		ANTH-1-01F		Discussion		DIS	T		10:00A-11:10A		Soc Sci 1 461	Staff	
10223		ANTH-1-01G		Discussion		DIS	T		12:00P-01:10P		Soc Sci 1 461	Staff	
10224		ANTH-1-01H		Discussion		DIS	T		02:00P-03:10P		Soc Sci 1 461	Staff	
10225		ANTH-1-01I		Discussion		DIS	T		04:00P-05:10P		Soc Sci 1 461	Staff	
10226		ANTH-1-01J		Discussion		DIS	T		06:00P-07:10P		Soc Sci 1 461	Staff	
10227		ANTH-1-01K		Discussion		DIS	W		08:00A-09:10A		Soc Sci 1 461	Staff	
10228		ANTH-1-01L		Discussion		DIS	W		12:30P-01:40P		Soc Sci 1 461	Staff	
10229		ANTH-1-01M		Discussion		DIS	W		02:00P-03:10P		Soc Sci 1 461	Staff	
10230		ANTH-1-01N		Discussion		DIS	W		03:30P-04:40P		Soc Sci 1 461	Staff	
10231		ANTH-1-01O		Discussion		DIS	W		05:00P-06:10P		Soc Sci 1 461	Staff	
10232		ANTH-1-01P		Discussion		DIS	Th		08:00A-09:10A		Soc Sci 1 461	Staff	
10233		ANTH-1-01Q		Discussion		DIS	Th		10:00A-11:10A		Soc Sci 1 461	Staff	
10234		ANTH-1-01R		Discussion		DIS	Th		12:00P-01:10P		Soc Sci 1 461	Staff	
10235		ANTH-1-01S		Discussion		DIS	Th		02:00P-03:10P		Soc Sci 1 461	Staff	
10236		ANTH-1-01T		Discussion		DIS	Th		04:00P-05:10P		Soc Sci 1 461	Staff	
23532		ANTH-1-01U		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 1 461	Staff	
23535		ANTH-80L-01		Anth of Performance	5	3	LEC	MWF	03:30P-04:40P		Soc Sci 2 179	Magnat,V.	
23536		ANTH-103-01		Forensic Anthro	5		LEC	MWF	09:30A-10:40A		Merrill Acad 102	Galloway,A.	
				<i>Taught in conjunction with ANTH 203</i>									
24199		ANTH-130H-01		Ethnography/Eurasia	5	E	LEC	TTh	06:00P-07:45P		Soc Sci 2 179	Staff	
23541		ANTH-130Q-01		Mejicanos	5	E	LEC	TTh	02:00P-03:45P		Crown Clrm 208	Najera Ramirez,O.	
24317		ANTH-130X-01		Top in Ethnography	5		LEC	MWF	12:30P-01:40P		Engineer 2 194	Staff	
24316		ANTH-131-01		Women Xcultrl Persp	5		LEC	TTh	10:00A-11:45A		Porter Acad 144	Moodie,M.C.	R
23544		ANTH-134-01		Intro Medical Anthro	5		LEC	TTh	04:00P-05:45P		Soc Sci 2 075	Chen,N.N.	
10256		ANTH-138-01		Political Anthro	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 071	Pandey,T.N.	
				<i>Also offered LGST 118</i>									
10257		ANTH-150-01		Communicating Anth	5	W	LEC	MW	05:00P-06:45P		Soc Sci 2 179	Raffles,H.D.	R
24318		ANTH-165-01		Folklore	5		LEC	MWF	02:00P-03:10P		Porter Acad 148	Cate,S.L.	R
10259		ANTH-170-01		His Archaeol Theory	5	W	LEC	TTh	06:00P-07:45P		Soc Sci 1 145	Gifford-Gonzalez,D.	R
				<i>Taught in conjunction with ANTH 270</i>									
24250		ANTH-177-01		Euro Conquest Ameri	5		LEC	TTh	10:00A-11:45A		Engineer 2 192	Habicht Mauche,J.A.	
23547		ANTH-184-01		Zooarchaeology	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 179	Gifford-Gonzalez,D.	R
24319		ANTH-184-01A		Discussion			DIS	T	04:00P-05:10P		Soc Sci 1 451	Staff	
24320		ANTH-184-01B		Discussion			DIS	W	02:00P-03:10P		Soc Sci 1 451	Staff	
24321		ANTH-184-01C		Discussion			DIS	Th	04:00P-05:10P		Soc Sci 1 451	Staff	
24251		ANTH-194C-01		Food and Medicine	5	W	SEM	W	05:30P-08:30P		Soc Sci 2 141	Chen,N.N.	R
24022		ANTH-194K-01		Reading Ethnograph	5	W	SEM	T	12:00P-03:00P		Soc Sci 2 171	Harding,S.F.	R
10407		ANTH-200A-01		Core Graduate Course	10		SEM	M	12:00P-03:00P		Soc Sci 1 414	Harding,S.F.	R
23580		ANTH-203-01		Forensic Anthropol	5		LEC	MWF	09:30A-10:40A		Merrill Acad 102	Galloway,A.	R
				<i>Taught in conjunction with ANTH 103</i>									
24200		ANTH-209-01		Life Histories	5		SEM	TTh	08:00A-09:45A		Soc Sci 2 137	Zihlman,A.L.	R
10409		ANTH-228-01		Grant Writing	5		SEM	T	06:00P-09:00P		Soc Sci 1 414	Raffles,H.D.	R
23581		ANTH-229-01		Constructng Regions	5		SEM	W	10:00A-01:00P		Soc Sci 1 414	Staff	R
24122		ANTH-236-01		On Insults	5		SEM	T	03:00P-06:00P		Steven Acad 230	Neu,J.	R
				<i>Also offered as PHIL 236</i>									
10411		ANTH-270-01		His Archaeol Theory	5		LEC		**To Be Arranged**		TBA	Gifford-Gonzalez,D.	R
				<i>Taught in conjunction with ANTH 170</i>									
23585		ANTH-284-01		Zooarchaeology	5		LEC		**To Be Arranged**		TBA	Gifford-Gonzalez,D.	R
10412		ANTH-292-01		Graduate Colloquim	2		SEM	M	03:30P-05:30P		Soc Sci 1 261	Harding,S.F.	R

APPLIED MATHEMATICS AND STATISTICS

24221		AMS-3-01		Precalculus	5	Q	LEC	TTh	02:00P-03:45P		J Baskin Engr 152	Zhou,H.	R
24222		AMS-3-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24223		AMS-3-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24224		AMS-3-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24225		AMS-3-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24226		AMS-3-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24227		AMS-5-01		Statistics	5	NQ	LEC	TTh	02:00P-03:45P		Kresge Clrm 321	Sanso,B.	
				<i>Enroll in lecture and associated discussion section</i>									
24228		AMS-5-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24229		AMS-5-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24230		AMS-5-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24231		AMS-5-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24232		AMS-5-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24145		AMS-11A-01		Math Methd for Econ	5	Q	LEC	MWF	12:30P-01:40P		Steven Acad 150	Katznelson,J.R.	
				<i>Also offered as ECON 11A</i>									
24146		AMS-11A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24147		AMS-11A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24148		AMS-11A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24149		AMS-11A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24233		AMS-27-01		Math Method Engineer	5		LEC	MWF	11:00A-12:10P		Soc Sci 2 071	Zhou,H.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24234		AMS-27L-01		Math Methd Engr Lab	2	LAB	MW		06:00P-07:00P		J Baskin Engr 109	Zhou,H.	R
24235		AMS-27L-02		Math Methd Engr Lab	2	LAB	TTh		09:00A-10:00A		J Baskin Engr 109	Zhou,H.	R
24282		AMS-205-01		Mathematical Stats	5	LEC	TTh		10:00A-11:45A		N. Sci Annex 103	Lee,H.K.	R
24237		AMS-211-01		Appld Math Method I	5	LEC	TTh		02:00P-03:45P		Porter Acad 241	Wang,H.	R
24283		AMS-221-01		Decision Theory	5	LEC	TTh		12:00P-01:45P		Kresge Clrm 319	Sanso,B.	R

ARABIC

10504		ARAB-1-01		Instr Arabic Lang	5	LEC	MWF		12:30P-01:40P		Soc Sci I 161	Issa,N.	
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ART

10514		ART-20-01		Intr Draw for Major	5	A STU	MWF		05:00P-07:45P		Baskin Paint E101	Gwyn,M.	R
10515		ART-20-02		Intr Draw for Major	5	A STU	TThSa		09:00A-11:45A		Baskin Paint E101	Staff	R
24106		ART-20-03		Intr Draw for Major	5	A STU	MWF		09:00A-11:45A		Baskin Paint E101	Staff	R
24023		ART-22-01		Intro Elect Intrmed	5	A STU	MWF		02:00P-04:45P		Baskin Paint E102	Staff	R
10518		ART-23-01		Inter-Media I	5	A STU	MWF		05:00P-07:45P		Baskin Clay A101	Staff	R
10519		ART-24-01		Intr Painting, Oil	5	A STU	TThSa		09:00A-11:45A		Baskin Paint 2 L101	McDade,J.L.	R
10520		ART-24-02		Intr Painting, Oil	5	A STU	TThSa		01:00P-03:45P		Baskin Paint 2 L101	McDade,J.L.	R
10521		ART-26-01		Intr to Printmaking	5	A STU	MWF		09:00A-11:45A		Baskin Print G101	Lee,J.	R
10522		ART-26-02		Intr to Printmaking	5	A STU	TThSa		01:00P-03:45P		Baskin Print G101	Rangell,P.	R
10523		ART-30-01		Intr to Photography	5	A STU	MWF		02:00P-04:45P		Baskin Photo I200	Watts,L.G.	R
10524		ART-30-02		Intr to Photography	5	A STU	TThSa		09:15A-12:00P		Baskin Photo I200	Staff	R
10525		ART-40-01		Sculpture I	5	A STU	MWF		09:00A-11:45A		Baskin Sculp 2 P108	Stephens,E.	R
10526		ART-60-01		Forms and Ideas	5	A STU	MWF		09:00A-11:45A		TA Studio C101	Staff	R
10527		ART-70-01		Book arts	5	A STU	MW		01:00P-04:00P		Cowell Press 123	Kane,G.R.	

Also offered as COWL 70; taught in conjunction with ART 111

10528		ART-80C-01		Intro Visual Arts	5	4A LEC	TTh		12:00P-01:45P		Thim Lecture 001	Staff	R
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Enroll in lecture and associated discussion section

10529		ART-80C-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10530		ART-80C-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10531		ART-80C-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10532		ART-80C-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10533		ART-80C-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10534		ART-80C-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10537		ART-80F-01		Intro Digital Media	5	6A LEC	TTh		06:00P-07:45P		Thim Lecture 001	Staff	

Enroll in lecture and associated discussion section

10538		ART-80F-01A		Discussion		DIS	M		10:00A-12:00P		Porter Acad 240	Staff	
10539		ART-80F-01B		Discussion		DIS	M		06:00P-08:00P		Porter Acad 240	Staff	
10540		ART-80F-01C		Discussion		DIS	T		12:00P-02:00P		Porter Acad 240	Staff	
10541		ART-80F-01D		Discussion		DIS	T		02:30P-04:30P		Porter Acad 240	Staff	
10542		ART-80F-01E		Discussion		DIS	W		05:00P-07:00P		Porter Acad 240	Staff	
10543		ART-80F-01F		Discussion		DIS	Th		03:00P-05:00P		Porter Acad 240	Staff	
		ART-99-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
10577		ART-101-01		Intermed/Adv Drawing	5	STU	MWF		02:00P-04:45P		Baskin Paint E101	Staff	R
10578		ART-103-01		Interm/Adv Painting	5	STU	TTh		02:00P-04:45P		Baskin Visul J101	Galuszka,F.R.	R
10579		ART-104-01		Spec Topcs Painting	5	STU	TThSa		09:30A-12:15P		Baskin Paint 3 M101	Brodsky,J.E.	R
10581		ART-111-01		Book Arts II	5	STU	MW		01:00P-04:00P		Cowell Press 123	Kane,G.R.	

Taught in conjunction with ART 70 and COWL 70

10582		ART-112-01		Printmaking I	5	A STU	MWF		01:00P-03:45P		Baskin Print G101	Lee,J.	R
10583		ART-114-01		Lithography I	5	A STU	TThSa		09:00A-11:45A		Baskin Print G101	Rangell,P.	R
10584		ART-118-01		Computer Art:Theor	5	A STU	TThSa		02:00P-04:45P		Baskin Paint E102	Anderson,E.W.	R
10585		ART-130-01		Interm Photography	5	STU	MWF		05:00P-07:45P		Baskin Photo I200	Watts,L.G.	R
10586		ART-132-01		Color Photography	5	STU	TThSa		01:00P-03:45P		Baskin Photo I200	Staff	R
10587		ART-134-01		Spec Topics Photogr	5	STU	TThSa		02:00P-04:45P		Baskin Draw F101	Staff	R
10588		ART-135-01		Intro Digital Photo	5	A STU	MWF		02:00P-04:45P		Porter Acad 240	Crichton,E.G.	R
10590		ART-140-01		Metal Sculpture	5	STU	MWF		02:00P-04:45P		Baskin Sculp 2 P101	Staff	R
10591		ART-141-01		Sculpture II	5	A STU	TThSa		02:00P-04:45P		Baskin Plast H101	Staff	R
23601		ART-146-01		Inter-Media Topics	5	STU	MWF		02:00P-04:45P		Baskin Sculp 2 P108	Stephens,E.	R
		ART-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
		ART-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	

See sponsoring agency for class number

See sponsoring agency for class number

ASTRONOMY AND ASTROPHYSICS

10826		ASTR-2-01		Overview Universe	5	NQ LEC	TTh		02:00P-03:45P		Thim Lecture 003	Vogt,S.S.	
10827		ASTR-2-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10828		ASTR-2-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10829		ASTR-2-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10830		ASTR-2-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10831		ASTR-2-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10832		ASTR-2-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10833		ASTR-2-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
10834		ASTR-2-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
10835		ASTR-2-02		Overview Universe	5	NQ	LEC	TTh	12:00P-01:45P		Krsg Town Hall 466	Guha Thakurta,P.	
10836		ASTR-2-02A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10837		ASTR-2-02B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10838		ASTR-2-02C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10839		ASTR-2-02D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23605		ASTR-2-02E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23606		ASTR-2-02F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10840		ASTR-3-01		The Solar System	5	NQ	LEC	MWF	11:00A-12:10P		N. Sci Annex 101	Steinacker,A.	
10841		ASTR-3-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10842		ASTR-3-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10843		ASTR-3-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10844		ASTR-3-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10845		ASTR-4-01		The Stars	5	NQ	LEC	TTh	02:00P-03:45P		Engineer Lecture 101	Bolte,M.	
10846		ASTR-4-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10847		ASTR-4-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10848		ASTR-4-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
10849		ASTR-4-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23650		ASTR-4-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23651		ASTR-4-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23653		ASTR-18-01		Planets and Systems	5	NQ	LEC	TTh	02:00P-03:45P		Earth&Marine B210	Max,C.E.	R
10852		ASTR-112-01		Physics of Stars	5		LEC	MWF	02:00P-03:10P		ISB 165	Faulkner,J.	R
24172		ASTR-135A-01		Astrophys Adv Lab	3		LAB	MTThF	12:00P-04:00P		Nat Sci 2 110	Dewey,R.J.	R
<i>Some evenings required for night-time observing; also offered as PHYS 135A</i>													
23657		ASTR-204A-01		Phys of Astrophys I	5		LEC	TTh	10:00A-11:45A		ISB 356	Lin,D.N.	R
10889		ASTR-205-01		Intr Astro Research	5		LEC	MWF	02:00P-03:10P		ISB 356	Epps,H.W.	R
23658		ASTR-212-01		Dynamical Astronomy	5		LEC	MWF	12:30P-01:40P		ISB 356	Laughlin,G.P.	R
23659		ASTR-220A-01		Stel Struct & Evol	5		LEC	MWF	09:30A-10:40A		ISB 356	Bodenheimer,P.H.	R
10892		ASTR-292-01		Seminar	0		SEM	W	03:30P-05:15P		N. Sci Annex 101	Staff	

BIOCHEMISTRY AND MOLECULAR BIOLOGY

11043		BIOC-80A-01		Understanding Drugs	5	2	LEC	MW	05:00P-06:45P		Earth&Marine B206	Eberhart,G.H.	
11044		BIOC-100A-01		Biochemistry	5		LEC	TTh	10:00A-11:45A		Soc Sci 2 071	Noller,H.F.	R
<i>Enroll in lecture and associated discussion section</i>													
11045		BIOC-100A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11046		BIOC-100A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	

BIOLOGY

11047	Y	BIOL-15-01		Research Reports	1		SEM		**To Be Arranged**		TBA	Bowman,B.J.	
<i>See Enrollment Conditions for instructions</i>													
11048		BIOL-20B-01		Developmt & Physiol	5		LEC	MWF	09:30A-10:40A		Media Theater M110	Ortiz,C.L. Taiz,L.	R
<i>Enroll in lecture and associated discussion section</i>													
11049		BIOL-20B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11050		BIOL-20B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11051		BIOL-20B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11052		BIOL-20B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11053		BIOL-20B-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11054		BIOL-20B-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11055		BIOL-20B-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11056		BIOL-20B-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23661		BIOL-20B-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23662		BIOL-20B-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11057		BIOL-20C-01		Ecology & Evolution	5		LEC	MWF	03:30P-04:40P		Classroom 002	Doak,D.F. Pogson,G.	R
<i>Enroll in lecture and associated discussion section</i>													
11058		BIOL-20C-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11059		BIOL-20C-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11060		BIOL-20C-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11061		BIOL-20C-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11062		BIOL-20C-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11063		BIOL-20C-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11064		BIOL-20C-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11065		BIOL-20C-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11066		BIOL-20L-01		Experimental Lab	5		LAB	M MW	08:00A-09:10A 01:00P-05:00P		Earth&Marine B210 Thimann Lab 223	Staff	R
<i>Must attend first day of lecture on Monday, September 27</i>													
11067		BIOL-20L-02		Experimental Lab	5		LAB	M TTh	08:00A-09:10A 01:00P-05:00P		Earth&Marine B210 Thimann Lab 223	Staff Staff	R
<i>Must attend first day of lecture on Monday, September 27</i>													
11073		BIOL-70-01		Intro Psychobiology	5	N	LEC	TTh	08:00A-09:45A		Thim Lecture 003	Switkes,E. Davis,W.J.	
<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
11074		BIOL-70-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11075		BIOL-70-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11076		BIOL-70-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11077		BIOL-70-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11078		BIOL-70-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11079		BIOL-70-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11080		BIOL-70-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11081		BIOL-70-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23668		BIOL-70-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11082	Y	BIOL-75-01		Sci Diving Cert	2		FLD		**To Be Arranged**		Ocean Health 201	Clabuesch,S.R.	
				<i>See Enrollment Conditions for instructions</i>									
11083		BIOL-80A-01		Female Physiology	5	2	LEC	TTh	04:00P-05:45P		Thim Lecture 003	Thompson,J.F.	
				<i>Enroll in lecture and associated discussion section</i>									
11084		BIOL-80A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11085		BIOL-80A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11086		BIOL-80A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11087		BIOL-80A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11088		BIOL-80A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11089		BIOL-80A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11090		BIOL-80A-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23672		BIOL-80A-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23673		BIOL-80A-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23674		BIOL-80A-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11092		BIOL-80L-01		Sex Lives of Plants	5	2	LEC	MWF	02:00P-03:10P		N. Sci Annex 101	Taiz,L.	
11291		BIOL-100-01		Biochemistry	5		LEC	TTh	12:00P-01:45P		Engineer Lecture 101	Ludwig,R.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
11292		BIOL-100-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11293		BIOL-100-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11294		BIOL-100-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11295		BIOL-100-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23675		BIOL-100-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23676		BIOL-100-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24219		BIOL-100L-01		Biochemistry Lab	5		LAB	MW	09:30A-12:30P		Thimann Lab 289	Dalbey,M.S.	R
								F	08:00A-09:10A		Earth&Marine B214		
24220		BIOL-100L-02		Biochemistry Lab	5		LAB	MW	01:00P-04:00P		Thimann Lab 289	Dalbey,M.S.	R
								F	08:00A-09:10A		Earth&Marine B214		
11296		BIOL-105-01		Genetics	5		LEC	TTh	08:00A-09:45A		Earth&Marine B206	Sullivan,W.	R
				<i>Enroll in lecture and associated discussion section</i>									
11297		BIOL-105-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11298		BIOL-105-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11299		BIOL-105-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11300		BIOL-105-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11301		BIOL-105-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11302		BIOL-105-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23684		BIOL-105-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23685		BIOL-105-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11303		BIOL-105L-01		Eukaryotc Genet Lab	5		LAB	TTh	01:00P-04:00P		Thimann Lab 203	Sullivan,W.	R
11304		BIOL-110-01		Cell Biology	5		LEC	TTh	02:00P-03:45P		Classroom 001	Zahler,A.M.	R
				<i>Enroll in lecture and associated discussion section</i>									
11305		BIOL-110-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11306		BIOL-110-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11307		BIOL-110-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11308		BIOL-110-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23687		BIOL-110-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23688		BIOL-110-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11309		BIOL-117A-01		Advanced Genetics	5		LEC	MWF	09:30A-10:40A		Oakes Acad 102	Chisholm,A. Ludwig,R.A.	R
				<i>Taught in conjunction with BIOL 200A</i>									
11310		BIOL-125-01		Intro to Neurosci	5		LEC	TTh	10:00A-11:45A		J Baskin Engr 152	Feldheim,D.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
23729		BIOL-125-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11311		BIOL-125-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11312		BIOL-125-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23732		BIOL-125-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23733	Y	BIOL-128-01		Adv Cell/Dev Neuro	5		SEM	TTh	12:00P-01:45P		Earth&Marine B214	Jin,Y.	
				<i>Taught in conjunction with BIOL 228</i>									
23734		BIOL-128-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23735		BIOL-128-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11313		BIOL-131-01		Animal Physiology	5		LEC	MWF	02:00P-03:10P		Thim Lecture 001	Ogren,L.M.	R
11314		BIOL-131-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11315		BIOL-131-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
11316		BIOL-131L-01		Animal Physiolo Lab	2		LAB	M	09:00A-12:00P		Thimann Lab 239	Ogren,L.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
11317		BIOL-131L-02		Animal Physiolo Lab	2	LAB	T		09:00A-12:00P		Thimann Lab 239	Ogren,L.M.	R
11318		BIOL-131L-03		Animal Physiolo Lab	2	LAB	F		09:00A-12:00P		Thimann Lab 239	Staff	R
11324		BIOL-140-01		Behavioral Ecology	5	LEC	MWF		11:00A-12:10P		Thim Lecture 001	Sinervo,B.R.	R
11325		BIOL-140-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11326		BIOL-140-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11327		BIOL-140-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11328		BIOL-140-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23738	Y	BIOL-162A-01		Fld Qtr:Marine Ecol	5	FLD	MWF		08:00A-12:00P		Lg Discovery 128A	Raimondi,P.T.	
				<i>See Enrollment Conditions for instructions</i>									
23739	Y	BIOL-162B-01		Fld Qtr:Ichthyology	5	FLD	MWF		01:00P-05:00P		Lg Discovery 128A	Bernardi,G.	
				<i>See Enrollment Conditions for instructions</i>									
23740	Y	BIOL-162C-01		Fld Qtr:Field Ecolo	5	FLD	TTh		08:00A-12:00P		Lg Discovery 128A	Raimondi,P.T.	
				<i>See Enrollment Conditions for instructions</i>									
23741	Y	BIOL-162D-01		Fld Qtr:Fld Eco Lab	4	FLD	TTh		01:00P-05:00P		Lg Discovery 128A	Bernardi,G.	
				<i>See Enrollment Conditions for instructions</i>									
23742		BIOL-163-01		Marine Conserv Bio	5	LEC	TTh		12:00P-01:45P		Ocean Health 118	Croll,D.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
23743		BIOL-163-01A		Discussion		DIS	W		06:30P-07:40P		Ocean Health 118	Staff	
23744		BIOL-169-01		Plant Ecology	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 159	Parker,I.M.	R
				<i>Enroll in lecture and associated discussion section; taught in conjunction with BIOL 269</i>									
23745		BIOL-169-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23746		BIOL-169L-01		Plant Ecology Field	5	W LAB	TTh		01:30P-05:30P		Thimann Lab 239	Parker,I.M.	R
				<i>Concurrent enrollment in BIOL 169 is required; taught in conjunction with BIOL 269L</i>									
11337		BIOL-175-01		Evolution	5	LEC	MWF		09:30A-10:40A		Classroom 001	Pogson,G.	R
				<i>Enroll in lecture and associated discussion section</i>									
11338		BIOL-175-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11339		BIOL-175-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11340		BIOL-175-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11341		BIOL-175-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11342		BIOL-175-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11343		BIOL-175-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
11344	Y	BIOL-185F-01		Hughes Resrsch Lab	2	LAB			**To Be Arranged**		Thimann Lab 285	Ares,M.	
				<i>See Enrollment Conditions for instructions</i>									
11345	Y	BIOL-185L-01		Hughes Resrsch Lab	5	LAB			**To Be Arranged**		Thimann Lab 285	Ares,M.	
				<i>See Enrollment Conditions for instructions</i>									
11346		BIOL-187L-01		Molec Biotech Lab	5	LAB	TTh		09:00A-01:00P		Thimann Lab 215	Zavanelli,M.I.	R
				<i>Taught in conjunction with BIOL 287L</i>									
24252	Y	BIOL-189-01		Health Sci Intrnshp	5	FLD			**To Be Arranged**		TBA	Tamkun,J.W.	
12595		BIOL-200A-01		Advanced Genetics	5	LEC	MWF		09:30A-10:40A		Oakes Acad 102	Chisholm,A. Ludwig,R.A.	R
				<i>Taught in conjunction with BIOL 117A</i>									
23757		BIOL-228-01		Cell Dvlpmnt Neuro	5	SEM	TTh		12:00P-01:45P		Earth&Marine B214	Jin,Y.	R
				<i>Taught in conjunction with BIOL 128</i>									
12596		BIOL-250A-01		Adv Organismal Bio	5	SEM	TTh		02:00P-03:45P		Soc Sci 1 145	Lyon,B.E. Fox,L.R.	
23758		BIOL-269-01		Plant Ecology	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 159	Parker,I.M.	R
				<i>Taught in conjunction with BIOL 169</i>									
23759		BIOL-269L-01		Field Methods Lab	5	LAB	TTh		01:30P-05:30P		Thimann Lab 239	Parker,I.M.	R
				<i>Taught in conjunction with BIOL 169L</i>									
12597		BIOL-279-01		Evolutionary Ecology	5	SEM	TTh		12:00P-01:45P		Soc Sci 1 145	Thompson,J.N.	R
12598		BIOL-280A-01		Molec Gene Yeasts	5	SEM			**To Be Arranged**		TBA	Ares,M.	R
12599		BIOL-280C-01		Dev Gen C. Elegans	5	SEM			**To Be Arranged**		TBA	Chisholm,A.	R
12600		BIOL-280D-01		Rna Processing	2	SEM			**To Be Arranged**		TBA	Zahler,A.M.	R
12601		BIOL-280F-01		Vert Neural Connect	5	SEM			**To Be Arranged**		TBA	Feldheim,D.A.	R
12602		BIOL-280H-01		Chromatrn/Transcript	5	SEM			**To Be Arranged**		TBA	Hartzog,G.A.	R
24253		BIOL-280J-01		Macromoleculr Cmplx	2	SEM			**To Be Arranged**		TBA	Jurica,M.S.	
12603		BIOL-280K-01		Cell Cycle Research	5	SEM			**To Be Arranged**		TBA	Kellogg,D.	R
12604		BIOL-280L-01		Neural Development	5	SEM			**To Be Arranged**		TBA	Hinck,L.	R
12605		BIOL-280N-01		Function of Ribosom	5	SEM			**To Be Arranged**		TBA	Noller,H.F.	R
12606		BIOL-280O-01		Bacterial Pathogen	5	SEM			**To Be Arranged**		J Baskin Engr 258	Ottemann,K.M.	R
				<i>Also offered as ETOX 280O</i>									
12607	Y	BIOL-280T-01		Drosophila Develpmt	5	SEM			**To Be Arranged**		TBA	Tamkun,J.W.	
12608		BIOL-280U-01		Drosophila Embryo	5	SEM			**To Be Arranged**		TBA	Sullivan,W.	R
23761		BIOL-280V-01		Genetic Responses	5	SEM			**To Be Arranged**		J Baskin Engr 258	Zhu,Z.	R
				<i>Also offered as ETOX 281Z</i>									
12609		BIOL-280W-01		Membrane Proteins	2	SEM			**To Be Arranged**		TBA	Bowman,B.J.	R
12612		BIOL-281A-01		Appld Marine Ecolog	5	SEM			**To Be Arranged**		TBA	Carr,M.H.	R
12613		BIOL-281B-01		Molecular Evolution	2	SEM			**To Be Arranged**		TBA	Bernardi,G.	R
12614		BIOL-281C-01		Physiological Ecol	5	SEM			**To Be Arranged**		TBA	Costa,D.	R
				<i>Taught in conjunction with BIOL 281W</i>									
12615		BIOL-281D-01		Pop/Comm Ecology	2	SEM			**To Be Arranged**		TBA	Doak,D.F.	
				<i>Taught in conjunction with BIOL 281P</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
12616		BIOL-281F-01		Ecological Res Topi	5		SEM		**To Be Arranged**		TBA	Fox,L.R.	R
12617		BIOL-281G-01		Molecular Bio Algae	2		SEM		**To Be Arranged**		TBA	Goff,L.J.	R
12618		BIOL-281J-01		Biochemical Ecology	5		SEM		**To Be Arranged**		TBA	Langenheim,J.H.	R
12619		BIOL-281L-01		Behavrl & Evol Ecol	5		SEM		**To Be Arranged**		TBA	Lyon,B.E.	R
				<i>Taught in conjunction with BIOL 281V</i>									
12620		BIOL-281N-01		Marine Vert Ecology	5		SEM		**To Be Arranged**		TBA	Croll,D.A.	R
12622		BIOL-281P-01		Plant Population	5		SEM		**To Be Arranged**		TBA	Parker,I.M.	R
				<i>Taught in conjunction with BIOL 281D</i>									
12623		BIOL-281Q-01		Molec Evolution Gen	5		SEM		**To Be Arranged**		TBA	Pogson,G.	R
12624		BIOL-281R-01		Mari Eco&Evol Biol	5		SEM		**To Be Arranged**		TBA	Raimondi,P.T.	R
				<i>Taught in conjunction with BIOL 281A</i>									
24020		BIOL-281S-01		Cell&Org/Toxicants	5		SEM		**To Be Arranged**		J Baskin Engr 258	Smith,D.R.	R
				<i>Also offered as ETOX 281S</i>									
12626		BIOL-281T-01		Species Interactions	5		SEM		**To Be Arranged**		TBA	Thompson,J.N.	R
12627		BIOL-281U-01		Invertebrate Biol	5		SEM		**To Be Arranged**		TBA	Potts,D.C.	R
12628		BIOL-281V-01		Behavioral Ecology	5		SEM		**To Be Arranged**		TBA	Sinervo,B.R.	R
				<i>Taught in conjunction with BIOL 281L</i>									
12629		BIOL-281W-01		Exercise/Env Phys	5		SEM		**To Be Arranged**		TBA	Williams,T.M.	R
				<i>Taught in conjunction with BIOL 281C</i>									
12630		BIOL-287L-01		Molec Biotech Lab	5	LEC	TTh		09:00A-01:00P		Thimann Lab 215	Zavanelli,M.I.	R
				<i>Taught in conjunction with BIOL 187L</i>									
12631		BIOL-291A-01		Mol Cell Devel Bio	0	SEM	F		12:30P-01:40P		N. Sci Annex 101	Zuniga,M.C.	
12632		BIOL-292-01		MCD Seminar	0	SEM	M		12:30P-01:40P		N. Sci Annex 101	Zuniga,M.C.	
12633		BIOL-294-01		Ecol, Evol Bio Sem	0	SEM	W		12:30P-01:40P		N. Sci Annex 101	Carr,M.H.	

BIOMOLECULAR ENGINEERING

23763		BME-80G-01		Bioethics 21st Cent	5	2	LEC	TTh		04:00P-05:45P	Classroom 001	Suckiel,E.G. Deamer,D.	
				<i>Also offered as PHIL 80G and CHEM 80G</i>									
24133		BME-80G-01A		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24134		BME-80G-01B		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24135		BME-80G-01C		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24136		BME-80G-01D		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24192		BME-80G-01E		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24193		BME-80G-01F		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24194		BME-80G-01G		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24195		BME-80G-01H		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13297		BME-100-01		Intro Bioinformatic	5		LEC	MWF		02:00P-03:10P	Earth&Marine B214	Karplus,K.	R
				<i>Concurrent enrollment in BME 100L is required</i>									
13299		BME-100L-01		Intro Bioinform Lab	1		LAB	Th		12:30P-03:30P	J Baskin Engr 105	Karplus,K.	R
				<i>Concurrent enrollment in BME 100 is required</i>									
13327		BME-200-01		Teach Bioinformatic	3		LEC	Th		04:00P-06:00P	Media Theater M110	Lowe,T.M.	R
				<i>Taught in conjunction with CMPS 200 and CMPE 200</i>									
13328		BME-200-01A		Discussion			DIS	T		04:00P-05:45P	TBA	Staff	
13329		BME-280B-01		Bioinformatics Sem	2		SEM	Th		12:00P-01:45P	Merrill Acad 003	Lowe,T.M.	R

CHEMISTRY AND BIOCHEMISTRY

13330		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>									
13331		CHEM-1A-01A		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13332		CHEM-1A-01B		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13333		CHEM-1A-01C		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13334		CHEM-1A-01D		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13335		CHEM-1A-01E		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13336		CHEM-1A-01F		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13337		CHEM-1A-01G		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13338		CHEM-1A-01H		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13339		CHEM-1A-01I		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13340		CHEM-1A-01J		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13341		CHEM-1A-01K		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13342		CHEM-1A-01L		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13343		CHEM-1A-01M		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13344		CHEM-1A-01N		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13345		CHEM-1A-01O		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13346		CHEM-1A-01P		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13347		CHEM-1A-01Q		Discussion			DIS			**To Be Arranged**	TBA	Staff	
24183		CHEM-1A-01R		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13348		CHEM-1A-01S		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13349		CHEM-1A-01T		Discussion			DIS			**To Be Arranged**	TBA	Staff	
13353		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>									
13354		CHEM-1B-01A		Discussion			DIS			**To Be Arranged**	TBA	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-1B-01B		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13356		CHEM-1B-01C		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13357		CHEM-1B-01D		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13358		CHEM-1B-01E		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13359		CHEM-1B-01F		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13360		CHEM-1B-01G		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13361		CHEM-1B-01H		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13362		CHEM-1B-01I		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13363		CHEM-1B-01J		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13364		CHEM-1B-01K		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13365		CHEM-1B-01L		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13366		CHEM-1B-01M		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13367		CHEM-1B-01N		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13368		CHEM-1B-01O		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13369		CHEM-1B-01P		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13370		CHEM-1M-01		Gen Chem Lab	2	LAB	F		02:00P-03:10P		Media Theater M110	Roberti,T.W.	R
				<i>Enroll in lab and associated secondary lab</i>									
13371		CHEM-1M-01A		Secondary Lab		LBS	T		12:15P-03:15P		Nat Sci 2 283	Staff	
13372		CHEM-1M-01B		Secondary Lab		LBS	T		12:15P-03:15P		Nat Sci 2 273	Staff	
13373		CHEM-1M-01C		Secondary Lab		LBS	T		03:30P-06:30P		Nat Sci 2 283	Staff	
13374		CHEM-1M-01D		Secondary Lab		LBS	T		03:30P-06:30P		Nat Sci 2 273	Staff	
13375		CHEM-1M-01E		Secondary Lab		LBS	T		07:00P-10:00P		Nat Sci 2 283	Staff	
13376		CHEM-1M-01F		Secondary Lab		LBS	T		07:00P-10:00P		Nat Sci 2 273	Staff	
13377		CHEM-1M-01G		Secondary Lab		LBS	W		03:30P-06:30P		Nat Sci 2 283	Staff	
13378		CHEM-1M-01H		Secondary Lab		LBS	W		03:30P-06:30P		Nat Sci 2 273	Staff	
13379		CHEM-1M-01I		Secondary Lab		LBS	W		07:00P-10:00P		Nat Sci 2 283	Staff	
13380		CHEM-1M-01J		Secondary Lab		LBS	W		07:00P-10:00P		Nat Sci 2 273	Staff	
13381		CHEM-1M-01K		Secondary Lab		LBS	Th		12:15P-03:15P		Nat Sci 2 283	Staff	
13382		CHEM-1M-01L		Secondary Lab		LBS	Th		12:15P-03:15P		Nat Sci 2 273	Staff	
13383		CHEM-1M-01M		Secondary Lab		LBS	Th		03:30P-06:30P		Nat Sci 2 283	Staff	
13384		CHEM-1M-01N		Secondary Lab		LBS	Th		03:30P-06:30P		Nat Sci 2 273	Staff	
13385		CHEM-1M-01O		Secondary Lab		LBS	Th		07:00P-10:00P		Nat Sci 2 283	Staff	
13386		CHEM-1M-01P		Secondary Lab		LBS	Th		07:00P-10:00P		Nat Sci 2 273	Staff	
13387		CHEM-1M-01Q		Secondary Lab		LBS	T		12:15P-03:15P		Nat Sci 2 289	Staff	
13388		CHEM-1M-01R		Secondary Lab		LBS	T		03:30P-06:30P		Nat Sci 2 289	Staff	
23774		CHEM-80G-01		Bioethics 21st Cent	5	2	LEC	TTh	04:00P-05:45P		Classroom 001	Suckiel,E.G. Deamer,D.	
				<i>Enroll in lecture and associated discussion section; also offered as Phil 80G and BME 80G</i>									
23775		CHEM-80G-01A		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23776		CHEM-80G-01B		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24131		CHEM-80G-01C		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24132		CHEM-80G-01D		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24184		CHEM-80G-01E		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24185		CHEM-80G-01F		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24186		CHEM-80G-01G		Discussion		DIS			**To Be Arranged**	TBA		Staff	
24187		CHEM-80G-01H		Discussion		DIS			**To Be Arranged**	TBA		Staff	
		CHEM-99F-XXX		Tutorial	2		IND		**To Be Arranged**	TBA		Staff	
13395		CHEM-108A-01		Organic Chemistry	5		LEC	TTh	10:00A-11:45A		Earth&Marine B206	Konopelski,J.P.	R
				<i>Enroll in lecture and associated discussion section</i>									
13396		CHEM-108A-01A		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13397		CHEM-108A-01B		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13398		CHEM-108A-01C		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13399		CHEM-108A-01D		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13400		CHEM-108A-01E		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13401		CHEM-108A-01F		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13402		CHEM-108A-01G		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13403		CHEM-108A-01H		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13404		CHEM-108A-01I		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13405		CHEM-108A-01J		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13406		CHEM-108A-01K		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13407		CHEM-108A-01L		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23778		CHEM-108A-01M		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23780		CHEM-108A-01N		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23781		CHEM-108A-01O		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23782		CHEM-108A-01P		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23783		CHEM-108A-01Q		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23784		CHEM-108A-01R		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23785		CHEM-108A-01S		Discussion		DIS			**To Be Arranged**	TBA		Staff	
23786		CHEM-108A-01T		Discussion		DIS			**To Be Arranged**	TBA		Staff	
13408		CHEM-108L-01		Organic Chem Lab	2		LAB	F	12:30P-01:40P		Krsg Town Hall 466	Palleros,D.	R
				<i>Enroll in lab and associated secondary lab</i>									
13409		CHEM-108L-01A		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 249	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13410		CHEM-108L-01B		Secondary Lab	LBS	T			12:30P-04:30P		Thimann Lab 261	Staff	
13411		CHEM-108L-01C		Secondary Lab	LBS	T			12:30P-04:30P		Thimann Lab 271	Staff	
13412		CHEM-108L-01D		Secondary Lab	LBS	T			05:30P-09:30P		Thimann Lab 261	Staff	
13413		CHEM-108L-01E		Secondary Lab	LBS	T			05:30P-09:30P		Thimann Lab 271	Staff	
13414		CHEM-108L-01F		Secondary Lab	LBS	W			08:30A-12:30P		Thimann Lab 249	Staff	
13415		CHEM-108L-01G		Secondary Lab	LBS	W			08:30A-12:30P		Thimann Lab 271	Staff	
13416		CHEM-108L-01H		Secondary Lab	LBS	W			01:00P-05:00P		Thimann Lab 271	Staff	
13417		CHEM-108L-01I		Secondary Lab	LBS	W			01:00P-05:00P		Thimann Lab 249	Staff	
13418		CHEM-108L-01J		Secondary Lab	LBS	W			01:00P-05:00P		Thimann Lab 261	Staff	
13419		CHEM-108L-01K		Secondary Lab	LBS	W			05:30P-09:30P		Thimann Lab 271	Staff	
13420		CHEM-108L-01L		Secondary Lab	LBS	W			05:30P-09:30P		Thimann Lab 261	Staff	
13421		CHEM-108L-01M		Secondary Lab	LBS	Th			12:30P-04:30P		Thimann Lab 261	Staff	
13422		CHEM-108L-01N		Secondary Lab	LBS	Th			12:30P-04:30P		Thimann Lab 271	Staff	
13423		CHEM-108L-01O		Secondary Lab	LBS	Th			12:30P-04:30P		Thimann Lab 249	Staff	
23860		CHEM-108L-01P		Secondary Lab	LBS	Th			05:30P-09:30P		Thimann Lab 271	Staff	
23861		CHEM-108L-01Q		Secondary Lab	LBS	Th			05:30P-09:30P		Thimann Lab 261	Staff	
23862		CHEM-108L-01R		Secondary Lab	LBS	Th			05:30P-09:30P		Thimann Lab 249	Staff	
13424		CHEM-112A-01		Organic Chemistry	5	LEC	TTh		10:00A-11:45A		N. Sci Annex 101	Staff	R
				<i>Enroll in lecture and associated discussion section</i>									
13425		CHEM-112A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13426		CHEM-112A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13427		CHEM-112A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13428		CHEM-112A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13429		CHEM-112L-01		Organic Chem Lab	2	LAB	Th		02:00P-03:45P		Thim Lecture 001	Palleros,D.	R
				<i>Enroll in lab and associated secondary lab</i>									
13430		CHEM-112L-01A		Secondary Lab	LBS	T			12:30P-04:30P		Thimann Lab 275	Staff	
13431		CHEM-112L-01B		Secondary Lab	LBS	T			05:30P-09:30P		Thimann Lab 275	Staff	
13432		CHEM-112L-01C		Secondary Lab	LBS	W			12:30P-04:30P		Thimann Lab 275	Staff	
13433		CHEM-112L-01D		Secondary Lab	LBS	W			05:30P-09:30P		Thimann Lab 275	Staff	
13434		CHEM-122-01		Instrumental Analys	5	W	LEC	WF	09:30A-10:40A		J Baskin Engr 169	Mascharak,P.	R
13435		CHEM-122-01A		Secondary Lab	LBS	MTWTh	01:00P-05:00P				Nat Sci 2 267	Staff	
13436		CHEM-143-01		Org Chem Structure	5	LEC	TTh		08:00A-09:45A		N. Sci Annex 102	Singaram,B.	R
13438		CHEM-151B-01		Main Group Elements	5	LEC	MWF		08:00A-09:10A		Steven Acad 213	Williamson,S.M.	R
13439		CHEM-163A-01		Quantum Mech & Spec	5	LEC	MWF		11:00A-12:10P		Soc Sci 1 110	Millhauser,G.L.	R
				<i>Enroll in lecture and associated discussion section</i>									
13440		CHEM-163A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13441		CHEM-163A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13442		CHEM-163A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13443		CHEM-163A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13444		CHEM-164A-01		Data Analysis Lab	2	LAB	M		09:30A-10:40A		TBA	Anderson,R.W.	R
				<i>Enroll in lab and associated secondary lab</i>									
13445		CHEM-164A-01A		Secondary Lab	LBS				**To Be Arranged**		TBA	Staff	
		CHEM-180A-XXX		Senior Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-180B-XXX		Senior Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-180C-XXX		Senior Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-199F-XXX		Tutorial	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
13646		CHEM-200A-01		Adv Biophys Methods	5	LEC	MWF		09:30A-10:40A		Thimann Lab 101	Bogomolni,R.A.	
23867		CHEM-231-01		Enzyme Mechanisms	5	LEC	TTh		10:00A-11:45A		Cowell Acad 216	Fink,A.L.	
13647		CHEM-240A-01		Kinetics & Mechanic	3	LEC	MWF		11:00A-12:10P		J Baskin Engr 169	Bernasconi,C.F.	
13648		CHEM-240E-01		Mod Synthetic Metho	3	LEC	TTh		12:00P-01:45P		Steven Acad 213	Singaram,B.	R
13650		CHEM-282-01		Synthetic Methods	5	SEM	Th		02:00P-04:00P		Thimann Lab 339	Singaram,B.	
13651		CHEM-283-01		Prosem Phys O Chem	5	SEM	W		07:00P-10:00P		Thimann Lab 339	Bernasconi,C.F.	
13652		CHEM-284-01		Prosem Syn Org Chem	5	SEM	T		05:00P-08:00P		Thimann Lab 339	Braslau,R.	
13653		CHEM-285-01		Photobiochem & Bio	5	LEC	M		12:30P-01:40P		Thimann Lab 339	Bogomolni,R.A.	
13654		CHEM-286-01		Prosem Nat Pro Chem	5	SEM	W		02:00P-04:30P		Thimann Lab 339	Crews,P.O.	
13655		CHEM-287-01		Protein Aggregation	5	SEM	Th		04:00P-05:45P		Thimann Lab 339	Fink,A.L.	
13656		CHEM-288-01		Prosem in Bioinorga	5	SEM	Th		02:00P-03:45P		Thimann Lab 391	Mascharak,P.	
							Th		02:00P-03:45P		Thimann Lab 391	Holman,T.R.	
13657		CHEM-290-01		Computational Chem	5	SEM	F		12:00P-02:00P		Thimann Lab 339	Wipke,W.T.	
13658		CHEM-291A-01		Organic Research	5	SEM	M		04:00P-05:30P		Thimann Lab 391	Lokey,R.S.	R
				<i>Taught in conjunction with CHEM 291C</i>									
13659		CHEM-291B-01		Biochem Seminar	5	SEM	W		04:00P-05:30P		Thimann Lab 391	Millhauser,G.L.	R
				<i>Taught in conjunction with CHEM 291D</i>									
13660		CHEM-291C-01		Inorganic Research	5	SEM	M		04:00P-05:30P		Thimann Lab 391	Holman,T.R.	R
				<i>Taught in conjunction with CHEM 291A</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13661		CHEM-291D-01		Physical Research <i>Taught in conjunction with CHEM 291A</i>	5	SEM	W		04:00P-05:30P		Thimann Lab 391	Anderson,R.W.	R
13662		CHEM-292-01		Seminar	2	SEM	W		12:30P-01:40P		Thimann Lab 391	Switkes,E.	R
13663		CHEM-296-01		Teaching Chemistry	3	SEM	M		02:00P-03:10P		Thimann Lab 391	Palleros,D.	
		CHEM-297-XXX		Independent Study	5	IND			**To Be Arranged**		TBA	Staff	
		CHEM-299A-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		CHEM-299B-XXX		Thesis Research <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**		TBA	Staff	
		CHEM-299C-XXX		Thesis Research <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**		TBA	Staff	

CHINESE

13810		CHIN-1-01		Elementary Chinese	5	LEC	MWF		08:00A-09:10A		Steven Acad 152	Keenan,D.L.	
13811		CHIN-1-02		Elementary Chinese	5	LEC	MWF		11:00A-12:10P		Cowell Acad 223	Keenan,D.L.	
13812		CHIN-1-03		Elementary Chinese	5	LEC	MWF		12:30P-01:40P		Kresge Acad 194	Keenan,D.L.	
13813		CHIN-4-01		Intermed Chinese	5	H LEC	MWF		08:00A-09:10A		Cowell Acad 223	Ku,J.W.	R
13814		CHIN-50-01		Preadvanced Chinese	5	H SEM	MWF		11:00A-12:10P		Crown Clrm 201	Ku,J.W.	R

COMMUNITY STUDIES

13928		CMMU-70-01		Video Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	T		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
13929		CMMU-70-02		Video Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	W		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
13930		CMMU-70-03		Video Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	F		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
13931		CMMU-71-01		Basic Photo Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	M		02:00P-03:45P		Soc Sci 2 047	Wellman,D.T.	R
13932		CMMU-71-02		Basic Photo Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	Th		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
13933		CMMU-71-03		Basic Photo Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	F		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
13934		CMMU-72-01		Audio Lab <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	T		10:00A-11:45A		Soc Sci 2 047	Wellman,D.T.	R
13935		CMMU-80B-01		Civil Rights Movmnt	5	3E LEC	MWF		08:00A-09:10A		Merrill Acad 102	Brundage,D.T.	
13936		CMMU-80B-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13937		CMMU-80B-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13938		CMMU-80B-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13939		CMMU-80B-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23906		CMMU-80F-01		Trans Sexuality/Gndr <i>Enroll in lecture and associated discussion section</i>	5	3E LEC	TTh		02:00P-03:45P		Merrill Acad 102	Stoller,N.E.	
23907		CMMU-80F-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23908		CMMU-80F-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13940		CMMU-80L-01		Soc Documentation <i>Enroll in lecture and associated discussion section</i>	5	3 LEC	MW		05:00P-06:45P		Steven Acad 175	Wellman,D.T.	
13941		CMMU-80L-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13942		CMMU-80L-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13943		CMMU-80L-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
13944		CMMU-80L-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
		CMMU-93-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		CMMU-93F-XXX		Fld Study Tutorial <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		CMMU-93G-XXX		Field Study <i>See sponsoring agency for class number</i>	3	FLI			**To Be Arranged**		TBA	Staff	
		CMMU-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		CMMU-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	
24087	Y	CMMU-100B-01		Media&Social Change <i>Concurrent enrollment in CMMU 170 is required. See enrollment conditions for instructions.</i>	5	S SEM	T Th		04:00P-07:30P 06:00P-07:45P		Soc Sci 2 167 Thim Lecture 003	Tajima,R.	
14043	Y	CMMU-100M-01		Healthcare Inequal <i>See Enrollment Conditions for instructions</i>	5	S SEM	TTh Th		02:00P-03:45P 06:00P-07:45P		Eight Acad 242 Thim Lecture 003	Steiner,A.	
14044	Y	CMMU-100P-01		Resistnce/Soc Mvmnt <i>See Enrollment Conditions for instructions</i>	5	SE SEM	TTh Th		02:00P-03:45P 06:00P-07:45P		Oakes Acad 222 Thim Lecture 003	Ortiz,P.A.	
14045	Y	CMMU-100T-01		Agro-Food Systems <i>See Enrollment Conditions for instructions</i>	5	S SEM	TTh Th		12:00P-01:45P 06:00P-07:45P		Eight Acad 242 Thim Lecture 003	Guthman,J.H.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23914		CMMU-121-01		Human Rights/Prison	5	W	SEM	TTh	10:00A-11:45A		Soc Sci 2 165	Stoller,N.E.	R
24088		CMMU-122-01		Exprmnt:HistCommune	5		LEC	T	06:00P-09:30P		Soc Sci 2 071	Boal,I.A.	
23915		CMMU-134-01		Youth Ctr Iden Pol	5	E	LEC	TTh	12:00P-01:45P		Merrill Acad 102	Perry,P.G.	
				<i>Enroll in lecture and associated discussion section</i>									
23916		CMMU-134-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23917		CMMU-134-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23918		CMMU-134-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23919		CMMU-134-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24201		CMMU-136-01		Black Liberation	5	E	LEC	TTh	10:00A-11:45A		Soc Sci 1 145	Ortiz,P.A.	
24202		CMMU-149-01		Pol Econ Food & Ag	5		SEM	TTh	04:00P-05:45P		Soc Sci 2 165	Guthman,J.H.	
24295	Y	CMMU-161A-01		Mngmt in Nonprofit	2		SEM	Th	04:00P-05:45P		TBA	Walters,R.R.	
23920		CMMU-170-01		Video Lab	2		LAB	W	02:00P-03:45P		Soc Sci 2 047	Tajima,R.	R
				<i>Concurrent enrollment in CMMU 100B is required</i>									
23921		CMMU-170-02		Video Lab	2		LAB	Th	02:00P-03:45P		Soc Sci 2 047	Staff	R
				<i>Concurrent enrollment in CMMU 100B is required</i>									
		CMMU-193-XXX		Field Study	5		FLI		**To Be Arranged**		TBA	Staff	
		CMMU-193F-XXX		Field Study	2		FLI		**To Be Arranged**		TBA	Staff	
		CMMU-193G-XXX		Field Study	3		FLI		**To Be Arranged**		TBA	Staff	
14138		CMMU-194-01		Analys Fld Material	5	W	SEM	MW	05:00P-06:45P		Eight Acad 242	Perry,P.G.	R
		CMMU-195A-XXX		Sr Thesis	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-195B-XXX		Senior Thesis	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-195C-XXX		Senior Thesis	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-199-XXX		Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-199F-XXX		Tutorial	2		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMMU-297-XXX		Independent Study	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

COMPUTER ENGINEERING

14287		CMPE-3-01		Personal Computers	5	N	LEC	TTh	10:00A-11:45A		Media Theater M110	Staff	
14288		CMPE-3-01A		Secondary Lab			LBS	T	01:00P-03:00P		Ming Ong Comp 108	Staff	
14289		CMPE-3-01B		Secondary Lab			LBS	W	10:00A-12:00P		Ming Ong Comp 108	Staff	
23922		CMPE-3-01C		Secondary Lab			LBS	M	05:00P-07:00P		Ming Ong Comp 108	Staff	
24182		CMPE-12-01		Com Sys/Assmby Lan	5	NQ	LEC	MWF	02:00P-03:10P		J Baskin Engr 152	Larrabee,T.	R
				<i>Concurrent enrollment in CMPE 12L is required</i>									
14291		CMPE-12L-01		Comptr Organztn Lab	1		LAB	MW	01:00P-03:00P		J Baskin Engr 109	Larrabee,T.	R
				<i>Previous or concurrent enrollment in CMPE 12 is required</i>									
14292		CMPE-12L-02		Comptr Organztn Lab	1		LAB	TTh	02:00P-04:00P		J Baskin Engr 109	Staff	R
				<i>Previous or concurrent enrollment in CMPE 12 is required</i>									
14293		CMPE-12L-03		Comptr Organztn Lab	1		LAB	TTh	06:00P-08:00P		J Baskin Engr 109	Staff	R
				<i>Previous or concurrent enrollment in CMPE 12 is required</i>									
14294		CMPE-12L-04		Comptr Organztn Lab	1		LAB	MW	09:00A-11:00A		J Baskin Engr 109	Staff	R
				<i>Previous or concurrent enrollment in CMPE 12 is required</i>									
14295		CMPE-12L-05		Comptr Organztn Lab	1		LAB	MW	07:00P-09:00P		J Baskin Engr 109	Staff	R
				<i>Previous or concurrent enrollment in CMPE 12 is required</i>									
14296		CMPE-16-01		Appl Discrete Math	5	Q	LEC	TTh	12:00P-01:45P		Kresge Clrm 321	Tao,H.	R
14297		CMPE-80N-01		Intro to Networking	5	2	LEC	MWF	12:30P-01:40P		J Baskin Engr 152	Smith,B.R.	
14298		CMPE-100-01		Logic Design	5		LEC	MWF	12:30P-01:40P		Soc Sci 2 179	Bazeghi,C.A.	R
				<i>Previous or concurrent enrollment in CMPE 100L is required</i>									
14303		CMPE-100L-01		Logic Design Lab	1		LAB		**To Be Arranged**		TBA	Bazeghi,C.A.	R
				<i>Previous or concurrent enrollment in CMPE 100 is required</i>									
14304		CMPE-107-01		Math Methods-Stoch	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 152	Manduchi,R.	R
24311		CMPE-107-50		Math Methods-Stoch	5		LEC	MWF	09:30A-10:40A		Cupertino	Manduchi,R.	R
14305		CMPE-110-01		Computer Architect	5		LEC	TTh	06:00P-07:45P		Soc Sci 2 075	Staff	R
14310		CMPE-121-01		Micro System Design	5		LEC	MWF	12:30P-01:40P		J Baskin Engr 372	Petersen,S.C.	R
				<i>Previous or concurrent enrollment in CMPE 121L is required</i>									
14311		CMPE-121L-01		Micro Sys Desgn Lab	1		LAB		**To Be Arranged**		TBA	Petersen,S.C.	R
				<i>Previous or concurrent enrollment in CMPE 121 is required</i>									
14312	Y	CMPE-123A-01		Engr Design Proj I	3		LEC	MWF	03:30P-04:40P		J Baskin Engr 169	Bazeghi,C.A. Vesecky,J.F.	R
				<i>Also offered as EE 123A</i>									
14313		CMPE-125-01		Log Desgn w/Verilog	5		LEC	MW	05:00P-06:45P		Crown Clrm 104	Varma,A.M.	R
14314		CMPE-125L-01		Verilog Laboratory	1		LAB		**To Be Arranged**		TBA	Varma,A.M.	R
14315		CMPE-150-01		Intro Comp Networks	5		LEC	MWF	12:30P-01:40P		Soc Sci 2 075	Garcia-Luna-Aceves	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
14320		CMPE-177-01		Appl Graph Theory	5	LEC	TTh		02:00P-03:45P		J Baskin Engr 156	Schlag,M.	R
14324		CMPE-177-50		Appl Graph Theory	5	LEC	TTh		02:00P-03:45P		Cupertino	Schlag,M.	R
		CMPE-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-194-XXX		Group Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-195-XXX		Senior Thesis Res	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-198-XXX		Indiv Study or Res	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPE-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
14373		CMPE-200-01		Resrch & Teaching	3	SEM	Th		04:00P-06:00P		Media Theater M110	Mantey,P.E.	R
				<i>Taught in conjunction with CMPS 200 and BME 200</i>									
24313		CMPE-202-01		Comp Architecture	5	LEC	TTh		06:00P-07:45P		J Baskin Engr 156	Renau,J.	R
24467		CMPE-202-50		Comp Architecture	5	LEC	TTh		06:00P-07:45P		Cupertino	Renau,J.	
23925		CMPE-225-01		Asic Systems Design	5	LEC	TTh		10:00A-11:45A		Porter Acad 246	Chan,P.K.	R
14378		CMPE-250-01		Multimedia Systems	5	SEM			**To Be Arranged**		TBA	Manduchi,R.	R
14381		CMPE-252A-01		Computer Networks	5	LEC	MW		05:00P-06:45P		J Baskin Engr 156	Garcia-Luna-Aceves	R
14382		CMPE-252A-50		Computer Networks	5	LEC	MW		05:00P-06:45P		Cupertino	Garcia-Luna-Aceves	R
24168		CMPE-258-01		Unix Network Intern	5	LEC	MW		07:00P-08:45P		J Baskin Engr 156	Staff	R
24169		CMPE-258-50		Unix Network Intern	5	LEC	MW		07:00P-08:45P		Cupertino	Staff	R
14383		CMPE-278-01		Discrete Systems	5	LEC	TTh		12:00P-01:45P		J Baskin Engr 169	De Alfaro,L.	R
24312	Y	CMPE-280P-01		Parallel Processing	2	SEM			**To Be Arranged**		TBA	Hughey,R.P.	R
		CMPE-297-XXX		Ind Study or Resear	5	IND			**To Be Arranged**		TBA	Staff	
		CMPE-299-XXX		Thesis Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

COMPUTER SCIENCE

14712		CMPS-2-01		Computer Literacy	5	N LEC	TTh		04:00P-05:45P		Earth&Marine B206	Franca,P.B.	
				<i>Enroll in lecture and associated secondary lab</i>									
23971		CMPS-2-01A		Secondary Lab		LBS	TTh		09:00A-10:30A		Eight Acad 101	Staff	
23972		CMPS-2-01B		Secondary Lab		LBS	MW		10:30A-12:00P		Eight Acad 101	Staff	
23973		CMPS-2-01C		Secondary Lab		LBS	TTh		02:00P-03:30P		Eight Acad 101	Staff	
23974		CMPS-2-01D		Secondary Lab		LBS	MW		03:00P-04:30P		Eight Acad 101	Staff	
23975		CMPS-2-01E		Secondary Lab		LBS	WF		01:30P-03:00P		Eight Acad 101	Staff	
23976		CMPS-2-01F		Secondary Lab		LBS	MW		06:00P-07:30P		Eight Acad 101	Staff	
23977		CMPS-2-01G		Secondary Lab		LBS	TTh		03:30P-05:00P		Eight Acad 101	Staff	
23978		CMPS-2-01H		Secondary Lab		LBS	WF		12:00P-01:30P		Porter Acad 240	Staff	
23979		CMPS-2-01I		Secondary Lab		LBS	TTh		07:30P-09:00P		Porter Acad 240	Staff	
23980		CMPS-2-01J		Secondary Lab		LBS	TTh		05:00P-06:30P		Porter Acad 240	Staff	
23981		CMPS-2-01K		Secondary Lab		LBS	MW		12:00P-01:30P		Cowell Com 154	Staff	
23982		CMPS-2-01L		Secondary Lab		LBS	TTh		10:00A-11:30A		Cowell Com 154	Staff	
23983		CMPS-2-01M		Secondary Lab		LBS	MW		05:00P-06:30P		Cowell Com 154	Staff	
23984		CMPS-2-01N		Secondary Lab		LBS	MW		02:00P-03:30P		Cowell Com 154	Staff	
23985		CMPS-2-01O		Secondary Lab		LBS	WF		09:30A-11:00A		Cowell Com 154	Staff	
14727		CMPS-10-01		Intro Computer Sci	5	N LEC	TTh		04:00P-05:45P		Engineer Lecture 101	Abadi,M.	
							TTh		04:00P-05:45P		Engineer Lecture 101	Tantalo,P.	
14735		CMPS-12A-01		Intro Programming	5	N LEC	MWF		02:00P-03:10P		Engineer Lecture 101	McDowell,C.E.	R
23954		CMPS-12B-01		Intro Data Structur	5	N LEC	MW		05:00P-06:45P		Kresge Clrm 327	Mackey,W.F.	R
24286		CMPS-12B-01A		Discussion		DIS	W		12:00P-02:00P		J Baskin Engr 105	Staff	
24287		CMPS-12B-01B		Discussion		DIS	F		03:30P-05:30P		J Baskin Engr 105	Staff	
23955		CMPS-12L-01		Comp Prog Lab	2	LAB	TTh		03:30P-05:00P		Crown Comp Lab 201	McDowell,C.E.	R
23956		CMPS-12L-02		Comp Prog Lab	2	LAB	TTh		05:00P-06:30P		Crown Comp Lab 201	McDowell,C.E.	R
23957		CMPS-12L-03		Comp Prog Lab	2	LAB	TTh		03:30P-05:00P		J Baskin Engr 105	McDowell,C.E.	R
23958		CMPS-12L-04		Comp Prog Lab	2	LAB	TTh		05:00P-06:30P		J Baskin Engr 105	McDowell,C.E.	R
24254		CMPS-12M-01		Data Structures Lab	2	LAB	M		07:00P-09:00P		J Baskin Engr 105	Mackey,W.F.	R
24255		CMPS-12M-02		Data Structures Lab	2	LAB	M		02:30P-04:30P		J Baskin Engr 105	Mackey,W.F.	R
24256		CMPS-12M-03		Data Structures Lab	2	LAB	T		01:30P-03:30P		J Baskin Engr 105	Mackey,W.F.	R
24315		CMPS-60N-01		Beg Program Nat Sci	5	N LEC	TTh		10:00A-11:45A		Kresge Clrm 321	Franca,P.B.	
14769		CMPS-101-01		Abstract Data Types	5	LEC	MWF		02:00P-03:10P		Merrill Acad 102	Van Gelder,A.	R
23987		CMPS-101-01A		Secondary Lab		LBS	T		08:00A-09:30A		Crown Comp Lab 201	Staff	
23988		CMPS-101-01B		Secondary Lab		LBS	Th		08:00A-09:30A		Crown Comp Lab 201	Staff	
23989		CMPS-101-01C		Secondary Lab		LBS	F		09:30A-11:00A		Crown Comp Lab 201	Staff	
23990		CMPS-101-01D		Secondary Lab		LBS	W		07:00P-08:30P		Crown Comp Lab 201	Staff	
23991		CMPS-101-01E		Secondary Lab		LBS	M		03:30P-05:00P		Crown Comp Lab 201	Staff	
23992		CMPS-101-01F		Secondary Lab		LBS	F		11:00A-12:30P		Crown Comp Lab 201	Staff	
14776		CMPS-102-01		Intro Algorithm Anyl	5	LEC	MWF		02:00P-03:10P		Soc Sci 2 071	Kolaitis,P.	R
14779		CMPS-104A-01		Fund Compiler Des I	5	LEC	MWF		03:30P-04:40P		Kresge Clrm 327	Mackey,W.F.	R
14780		CMPS-104A-01A		Secondary Lab		LBS	M		01:00P-03:00P		Crown Comp Lab 201	Staff	
14781		CMPS-104A-01B		Secondary Lab		LBS	W		05:00P-07:00P		Crown Comp Lab 201	Staff	
14782		CMPS-104A-01C		Secondary Lab		LBS	Th		09:00A-11:00A		Crown Comp Lab 201	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23959		CMPS-105-01		Systems Programming	5	LEC	TTh		02:00P-03:45P		J Baskin Engr 165	Brandt,S.A.	R
23960		CMPS-105-01A		Discussion		DIS	MW		05:00P-07:00P		J Baskin Engr 105	Staff	
24464		CMPS-111-01		Intro Operating Systems		LEC	MWF		02:00P-03:10P		Soc Sci 1 110	Miller,E.L.	
				<i>Enroll in lecture and associated secondary lab</i>									
24465		CMPS-111-01A		Secondary Lab		LBS	F		09:00A-11:00A		J Baskin Engr 109	Staff	
24466		CMPS-111-01B		Secondary Lab		LBS	W		07:00P-09:00P		J Baskin Engr 109	Staff	
14787		CMPS-130-01		Computational Model	5	LEC	TTh		06:00P-07:45P		Merrill Acad 102	Levinson,R.A.	R
14789		CMPS-160-01		Intro Comp Graphics	5	LEC	MWF		03:30P-04:40P		Cowell Clrm 131	Wilhelms,J.	R
14799		CMPS-190X-01		Methods Cryptography	5	LEC	TTh		10:00A-11:45A		Porter Acad 250	Yellin,J.	R
		CMPS-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-194-XXX		Group Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-195-XXX		Sr Thesis Research	5	IND			**To Be Arranged**		TBA	Staff	
		CMPS-198-XXX		Ind Stu or Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
14860		CMPS-200-01		Research & Teaching	3	SEM	Th		04:00P-06:00P		Media Theater M110	Lodha,S.K.	R
				<i>Taught in conjunction with CMPE 200 and BME 200</i>									
14862		CMPS-201-01		Analysis Algorithms	5	LEC	TTh		02:00P-03:45P		N. Sci Annex 103	Helmbold,D.P.	R
14863		CMPS-203-01		Programming Language	5	LEC	TTh		12:00P-01:45P		Soc Sci 2 167	Flanagan,C.A.	R
14864		CMPS-221-01		Adv Operating System	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 363	Brandt,S.A.	R
14865		CMPS-242-01		Machine Learning	5	LEC	MW		05:00P-06:45P		Steven Acad 221	Helmbold,D.P.	R
14867		CMPS-280A-01		Seminar CompSci Res	2	SEM	T		02:00P-03:45P		J Baskin Engr 169	Pohl,I.	
23962		CMPS-280G-01		Sem Software Engr	2	SEM	Th		02:00P-03:45P		Crown Clrm 104	Flanagan,C.A.	R
24314	Y	CMPS-280S-01		Seminar Comp Syst	2	SEM	Th		02:00P-03:45P		J Baskin Engr 169	Staff	
23963	Y	CMPS-290B-01		Adv Comput Graphics	5	SEM	TTh		10:00A-11:45A		J Baskin Engr 169	Pang,A.	
		CMPS-296-XXX		Masters Project	2	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-297-XXX		Indep Study/Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-299-XXX		Thesis Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

DIGITAL ARTS AND NEW MEDIA

24240		DANM-201-01		DA/NM: History	5	LEC	W		01:30P-05:00P		Porter Acad 250	Morse,M.E.	R
24241		DANM-204A-01		Colloquium Series	2	SEM	M		03:30P-05:00P		Porter Acad 250	Massaro,D.W.	R
24242		DANM-219-01		Electronic/Artsmakng	5	LEC	M		10:00A-12:00P		Baskin Paint E102	Anderson,E.W.	R
							W		10:30A-12:00P		Baskin Paint E102		
24243		DANM-220-01		Intro Progrm Arts	5	LEC	TTh		10:00A-11:45A		Porter Acad 240	McDowell,C.E.	R

EARTH SCIENCES

15422		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>									
15423		EART-1-01A		Secondary Lab		LBS	M		01:30P-03:00P		Earth&Marine D250	Staff	
15424		EART-1-01B		Secondary Lab		LBS	M		05:00P-06:30P		Earth&Marine D250	Staff	
15425		EART-1-01C		Secondary Lab		LBS	T		09:00A-10:30A		Earth&Marine D250	Staff	
15426		EART-1-01D		Secondary Lab		LBS	T		10:30A-12:00P		Earth&Marine D250	Staff	
15427		EART-1-01E		Secondary Lab		LBS	W		11:00A-12:30P		Earth&Marine D250	Staff	
15428		EART-1-01F		Secondary Lab		LBS	W		01:00P-02:30P		Earth&Marine D250	Staff	
15429		EART-1-01G		Secondary Lab		LBS	Th		06:00P-07:30P		Earth&Marine D250	Staff	
23941		EART-1-01H		Secondary Lab		LBS	Th		10:00A-11:30A		Earth&Marine D250	Staff	
15430		EART-1-01I		Secondary Lab		LBS	Th		06:00P-07:30P		Earth&Marine D250	Staff	
15432		EART-5-01		California Geology	5	N LEC	TTh		10:00A-11:45A		Engineer Lecture 101	Moore,J.C.	
				<i>Concurrent enrollment in EART 5L is required for majors and minors</i>									
15433		EART-5-01A		Discussion		DIS	T		12:00P-01:00P		Earth&Marine D226	Staff	
15434		EART-5-01B		Discussion		DIS	T		01:00P-02:00P		Earth&Marine D226	Staff	
15435		EART-5-01C		Discussion		DIS	W		10:00A-11:00A		Earth&Marine D226	Staff	
15436		EART-5-01D		Discussion		DIS	W		11:00A-12:00P		Earth&Marine D226	Staff	
15437		EART-5-01E		Discussion		DIS	W		04:30P-05:30P		Earth&Marine D226	Staff	
15438		EART-5-01F		Discussion		DIS	Th		12:00P-01:00P		Earth&Marine D226	Staff	
15439		EART-5L-01		Calif Geology Lab	1	LAB	T		06:00P-09:00P		Earth&Marine D226	Moore,J.C.	
15440		EART-5L-02		Calif Geology Lab	1	LAB	W		01:00P-04:00P		Earth&Marine D226	Moore,J.C.	
15443		EART-80A-01		Earth Catastrophes	5	2Q LEC	MWF		11:00A-12:10P		Thim Lecture 003	Lay,T.	
15444		EART-80A-01A		Discussion		DIS	M		01:00P-02:00P		Earth&Marine D258	Staff	
15445		EART-80A-01B		Discussion		DIS	M		02:30P-03:30P		Earth&Marine D258	Staff	
15446		EART-80A-01C		Discussion		DIS	M		05:00P-06:00P		Earth&Marine D258	Staff	
15447		EART-80A-01D		Discussion		DIS	W		01:00P-02:00P		Earth&Marine D258	Staff	
15448		EART-80A-01E		Discussion		DIS	W		02:30P-03:30P		Earth&Marine D258	Staff	
15449		EART-80A-01F		Discussion		DIS	W		04:00P-05:00P		Earth&Marine D258	Staff	
15450		EART-80A-01G		Discussion		DIS	Th		12:00P-01:00P		Earth&Marine D258	Staff	
15451		EART-80A-01H		Discussion		DIS	Th		01:30P-02:30P		Earth&Marine D258	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		EART-98-XXX		Internship <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
15456		EART-102-01		Marine Geology <i>Taught in conjunction with OCEA 280</i>	5	LEC	TTh		10:00A-11:45A		Earth&Marine D226	Ravelo,A.C.	R
15457		EART-102-01A		Discussion		DIS	T		12:00P-01:45P		TBA	Staff	
23942		EART-104-01		Geologic Hazards	5	LEC	TTh		02:00P-03:45P		Earth&Marine D250	Schwartz,S.Y.	R
23943		EART-104-01A		Discussion		DIS	M		11:00A-01:00P		Earth&Marine D250	Staff	
23944		EART-104-01B		Discussion		DIS	Th		04:00P-06:00P		Earth&Marine D250	Staff	
15458		EART-109-01		Field Geology <i>Concurrent enrollment in EART 109L is required</i>	5	LEC	TTh		10:00A-11:45A		Earth&Marine D258	Schwartz,H.L.	R
15459		EART-109L-01		Field Geology Lab <i>Concurrent enrollment in EART 109 is required</i>	2	LAB	T		12:30P-03:30P		Earth&Marine D258	Schwartz,H.L.	R
15460		EART-109L-02		Field Geology Lab <i>Concurrent enrollment in EART 109 is required</i>	2	LAB	W		09:00A-12:00P		Earth&Marine D258	Schwartz,H.L.	R
15461		EART-110A-01		Evolution of Earth <i>Concurrent enrollment in EART 110L is required</i>	5	LEC	TTh		12:00P-01:45P		N. Sci Annex 101	Williams,Q.	R
15462		EART-110L-01		Evol of Earth Lab <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	T		06:00P-09:00P		Earth&Marine D236	Williams,Q.	R
15463		EART-110L-02		Evol of Earth Lab <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	W		09:30A-12:30P		Earth&Marine D236	Williams,Q.	R
15464		EART-110L-03		Evol of Earth Lab <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	Th		06:00P-09:00P		Earth&Marine D236	Williams,Q.	R
24263		EART-116-01		Hydrology	5	LEC	TTh		08:00A-09:45A		Earth&Marine D236	Staff	R
24264		EART-116-01A		Secondary Lab		LBS	M		12:30P-03:30P		Earth&Marine D236	Staff	
24265		EART-116-01B		Secondary Lab		LBS	F		09:00A-12:00P		Earth&Marine D236	Staff	
15465		EART-117-01		Paleomagnetism <i>Concurrent enrollment in EART 117L is required</i>	5	LEC	MWF		09:30A-10:40A		Earth&Marine D250	Coe,R.S.	R
15466		EART-117L-01		Paleomagnetism Lab <i>Concurrent enrollment in EART 117 is required</i>	2	LAB	T		06:00P-09:00P		Earth&Marine D250	Coe,R.S.	R
23947		EART-165-01		Formation Solar	5	LEC	TTh		02:00P-03:45P		Earth&Marine D226	Asphaug,E.	R
15472		EART-190-01		Earth Sci Mentors	1	SEM	M		03:30P-04:30P		Earth&Marine D226	Asphaug,E.	R
							M		03:30P-04:30P		Earth&Marine D226	Moore,J.C.	
							M		03:30P-04:30P		Earth&Marine D226	Schwartz,S.Y.	
15500		EART-195-XXX		Senior Thesis	5	IND			**To Be Arranged**		TBA	Staff	R
		EART-196A-01		Intro Teaching Sem <i>Taught in conjunction with EART 203</i>	2	SEM	Th		06:00P-09:00P		Earth&Marine D226	Sloan,L.	R
		EART-196B-XXX		Ind Teach Eart/Univ <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	R
		EART-196C-XXX		Teach Eart Sci/Univ <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	R
		EART-198-XXX		Eart Ind Internship <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	R
		EART-198F-XXX		Earth Sci Internship <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	R
		EART-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		EART-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	
15569		EART-203-01		Intro Teaching Sem <i>Taught in conjunction with EART 196A</i>	3	LEC	Th		06:00P-09:00P		Earth&Marine D226	Sloan,L.	R
15570		EART-205-01		Intro Graduate Sem	5	SEM	MW		03:30P-04:45P		Earth&Marine D250	Sloan,L.	R
24260		EART-220-01		Groundwatr Modeling	5	LEC	TTh		02:00P-03:45P		Earth&Marine D236	Fisher,A.T.	
24261		EART-220-01A		Secondary Lab		LBS	W		01:00P-04:00P		Earth&Marine D236	Staff	
23948		EART-275-01		Magnetohydrodynamic	5	LEC	TTh		10:00A-11:45A		Earth&Marine D236	Glatzmaier,G.A.	R
15573		EART-290F-01		Coastal Processes	2	SEM	Th		03:30P-05:00P		Ocean Health 201	Griggs,G.B.	R
15575		EART-292-01		Graduate Seminar	0	SEM	TTh		04:00P-05:45P		N. Sci Annex 101	Staff	
15576		EART-292-02		Graduate Seminar	0	SEM	F		03:30P-05:15P		N. Sci Annex 101	Staff	
		EART-298-XXX		Eart Ind Internship <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	

ECONOMICS

15744		ECON-1-01		Intro Microeconomic <i>Enroll in lecture and associated discussion section</i>	5	S LEC	MWF		11:00A-12:10P		Classroom 002	Kletzer,L.G.	
15745		ECON-1-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15746		ECON-1-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15747		ECON-1-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15748		ECON-1-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15749		ECON-1-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15750		ECON-1-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15751		ECON-1-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15752		ECON-1-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15753		ECON-1-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15754		ECON-1-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15755		ECON-1-01K		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15756		ECON-1-01L		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15757		ECON-1-01M		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15758		ECON-1-01N		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15759		ECON-1-01O		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15760		ECON-1-01P		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15763		ECON-2-01		Intro Macroeconomic	5	S	LEC	MWF	03:30P-04:40P		Media Theater M110	Aizenman,J.	
				<i>Enroll in lecture and associated discussion section</i>									
15764		ECON-2-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15765		ECON-2-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15766		ECON-2-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15767		ECON-2-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15768		ECON-2-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15769		ECON-2-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23869		ECON-2-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15770		ECON-2-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15771		ECON-2-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15772		ECON-2-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15773		ECON-2-01K		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15774		ECON-2-01L		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15775		ECON-10A-01		Econ of Accounting	5		LEC	TTh	12:00P-01:45P		Earth&Marine B206	Shepherd,R.J.	
15776		ECON-10A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15777		ECON-10A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15778		ECON-10A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15779		ECON-10A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15780		ECON-10A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15781		ECON-10A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15782		ECON-10A-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15783		ECON-10A-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15784		ECON-10A-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23871		ECON-10A-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23872		ECON-10A-01K		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23873		ECON-10A-01L		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23874		ECON-10A-01M		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23875		ECON-10A-01N		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15785		ECON-10A-02		Econ of Accounting	5		LEC	TTh	08:00A-09:45A		Classroom 001	Gusarson,D.D.	
15786		ECON-10A-02A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15787		ECON-10A-02B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15788		ECON-10A-02C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15789		ECON-10A-02D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15790		ECON-10A-02E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15791		ECON-10A-02F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15792		ECON-10A-02G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23876		ECON-10A-02H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23877		ECON-10A-02I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15793		ECON-11A-01		Math Methd for Econ	5	Q	LEC	MWF	12:30P-01:40P		Steven Acad 150	Katznelson,J.R.	R
				<i>Also offered as AMS 11A</i>									
15794		ECON-11A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15795		ECON-11A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15796		ECON-11A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15797		ECON-11A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15799		ECON-11B-01		Math Methd for Econ	5	Q	LEC	MWF	03:30P-04:40P		Steven Acad 150	Katznelson,J.R.	R
15800		ECON-11B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15801		ECON-11B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15802		ECON-11B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15803		ECON-11B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23878		ECON-80H-01		Wall St.&Money Game	5	3	LEC	TTh	06:00P-07:45P		Engineer Lecture 101	Staff	
24176		ECON-80J-01		Value/Support Arts	5	5	LEC	W	05:00P-08:00P		Thim Lecture 001	Kaun,D.E.	
				<i>Taught in conjunction with ECON 185</i>									
15811		ECON-100A-01		Intermed Microecon	5		LEC	MWF	08:00A-09:10A		Engineer Lecture 101	Yan,H.	R
15812		ECON-100A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15813		ECON-100A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15814		ECON-100A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15815		ECON-100A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15816		ECON-100A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15822		ECON-100B-01		Intermed Macroecon	5		LEC	MWF	09:30A-10:40A		Engineer Lecture 101	Kletzer,K.M.	R
15823		ECON-100B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15824		ECON-100B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15825		ECON-100B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15826		ECON-100B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
15827		ECON-100B-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15828		ECON-100B-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15829		ECON-100B-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23879		ECON-101-01		Managerial Econ	5	LEC		TTh	04:00P-05:45P		Oakes Acad 105	Anderson,S.T.	R
23880		ECON-101-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23881		ECON-101-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23882		ECON-101-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23883		ECON-101-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15832		ECON-107-01		Economic Justice	5	W LEC		MWF	09:30A-10:40A		Soc Sci 1 110	Isbister,J.W.	R
15836		ECON-111A-01		Intermed Account I	5	LEC		TTh	10:00A-11:45A		Thim Lecture 003	Shepherd,R.J.	R
				<i>Taught in conjunction with ECON 209A</i>									
15837		ECON-111A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15838		ECON-111A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15839		ECON-111A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15840		ECON-111A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15841		ECON-111A-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15842		ECON-111A-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15843		ECON-111A-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15844		ECON-111A-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15845		ECON-111A-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23884		ECON-111A-01J		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23885		ECON-111A-01K		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15846		ECON-113-01		Intro Econometrics	5	Q LEC		MWF	03:30P-04:40P		J Baskin Engr 152	Staff	R
15847		ECON-113-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15848		ECON-113-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15849		ECON-113-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15850		ECON-113-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15851		ECON-113-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15852		ECON-113-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15853		ECON-114-01		Adv Quant Methods	5	LEC		TTh	10:00A-11:45A		Soc Sci 2 171	Brooks,E.L.	R
23886		ECON-120-01		Economic Developmnt	5	E LEC		MWF	08:00A-09:10A		Steven Acad 150	Singh,N.	R
23887		ECON-120-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23888		ECON-120-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23889		ECON-120-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23890		ECON-120-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15854		ECON-125-01		Econ History of US	5	LEC		TTh	10:00A-11:45A		Kresge Clrm 327	Elbaum,B.L.	R
23891		ECON-131-01		Internatnl Markets	5	LEC		MWF	11:00A-12:10P		Soc Sci 2 179	Cheung,Y.	R
23892		ECON-136-01		Business Strategy	5	LEC		TTh	12:00P-01:45P		Steven Acad 175	Flannery,M.	R
23893		ECON-136L-01		Business Stratgy Lab	2	LAB			**To Be Arranged**		TBA	Flannery,M.	R
23894		ECON-139A-01		Electronic Commerce	5	LEC		MWF	12:30P-01:40P		Soc Sci 1 110	Singh,N.	R
23895		ECON-139A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23896		ECON-139A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
15861		ECON-140-01		International Trade	5	LEC		TTh	12:00P-01:45P		Soc Sci 2 071	Staff	R
15862		ECON-140-01A		Discussion		DIS		M	**To Be Arranged**		TBA	Staff	
15863		ECON-140-01B		Discussion		DIS		M	**To Be Arranged**		TBA	Staff	
15867		ECON-162-01		Legal Env Business	5	LEC		MW	05:00P-06:45P		Soc Sci 1 110	Bosso,R.E.	R
				<i>Also offered as LGST 162</i>									
15868		ECON-164-01		Telecommunica Indus	5	LEC		TTh	02:00P-03:45P		Steven Acad 175	Flannery,M.	R
23899		ECON-165-01		Experimental Scien	5	W LEC		MWF	02:00P-03:10P		Eight Acad 252	Friedman,D.	R
24175		ECON-185-01		Value/Support Arts	5	LEC		W	05:00P-08:00P		Thim Lecture 001	Kaun,D.E.	
				<i>Taught in conjunction with ECON 80J</i>									
15870	Y	ECON-186-01		Mathematical Mthds	5	LEC			**To Be Arranged**		TBA	Staff	
				<i>See Enrollment Conditions for instructions</i>									
		ECON-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
16011		ECON-200-01		Microecon Analysis	5	LEC		MWF	09:30A-10:40A		J Baskin Engr 372	Yan,H.	
16012		ECON-204A-01		Adv Microecon Theor	5	LEC		TTh	12:00P-01:45P		Soc Sci 2 137	McCalman,P.	
16013		ECON-205A-01		Adv Macroecon Theor	5	LEC		MW	05:00P-06:45P		Soc Sci 2 137	Kletzer,K.M.	
16014		ECON-209A-01		Accounting I	5	LEC		TTh	10:00A-11:45A		Thim Lecture 003	Shepherd,R.J.	R
				<i>Taught in conjunction with ECON 111A</i>									
16015		ECON-210B-01		Math Methods Econ	5	LEC			**To Be Arranged**		TBA	Costain,J.S.	
16016		ECON-211C-01		Empirical Research	5	LEC		MWF	08:00A-09:10A		Soc Sci 2 137	Cheung,Y.	
16042		ECON-216-01		Applied Economet I	5	LEC		MWF	02:00P-03:10P		Kresge Clrm 319	Fairlie,R.W.	
16043		ECON-234-01		Fin.Instit & Market	5	LEC		MWF	11:00A-12:10P		Soc Sci 2 363	Friedman,D.	R
16044		ECON-240A-01		Adv Intl Trade Thry	5	LEC		TTh	04:00P-05:45P		Soc Sci 2 137	McCalman,P.	R
16045		ECON-241A-01		Adv Intl Finance I	5	LEC		MWF	09:30A-10:40A		Soc Sci 2 137	Aizenman,J.	
16071		ECON-294A-01		Applied Econ Lab	2	LAB		TTh	06:00P-07:45P		Soc Sci 2 363	Fairlie,R.W.	
		ECON-295A-XXX		Directed Reading	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		ECON-295B-XXX		Directed Reading	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
16149		ECON-296A-01		3rd Year Ph.D. Sem	5	SEM		TTh	06:00P-07:45P		Soc Sci 2 137	Kletzer,K.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
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EDUCATION

16325		EDUC-80-01		Intro to Teaching	5	3	LEC	MW	05:00P-06:45P		J Baskin Engr 152	Tellez,K.T.	
16326		EDUC-92A-01		Evolution of Educ	5	S	LEC	TTh	06:00P-07:45P		Classroom 002	Swanger,D.	
16327		EDUC-92A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16328		EDUC-92A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16329		EDUC-92A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16330		EDUC-92A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16331		EDUC-92A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16332		EDUC-92A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16333		EDUC-92A-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16334		EDUC-92A-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16335		EDUC-92A-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16336		EDUC-92A-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16337		EDUC-92A-01K		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16338		EDUC-92A-01L		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16339		EDUC-92A-01M		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16340		EDUC-92A-01N		Discussion			DIS		**To Be Arranged**		TBA	Staff	
16341		EDUC-92A-01O		Discussion			DIS		**To Be Arranged**		TBA	Staff	
		EDUC-99-XXX		Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
24310		EDUC-115-01		K-12 Student Assess	5		LEC	TTh	10:00A-11:45A		Eight Acad 252	Shaw,J.M.	
23912		EDUC-160-01		Educ Reform Issues	5		LEC	TTh	02:00P-03:45P		Cowell Clrm 131	Bartlett,L.	
23913		EDUC-181-01		Race, Class, Cultur	5	E	LEC	TTh	12:00P-01:45P		Engineer 2 192	Staff	
		EDUC-193-XXX		Field Study	5		FLI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-194-XXX		Group Projects	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-199-XXX		Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
16416		EDUC-200A-01		Intr Educat Inquiry	5		SEM	MW	02:30P-04:15P		Crown Clrm 104	Ogawa,R.T.	R
24262		EDUC-200D-01		Adv Qual Research	5		SEM	M	09:00A-12:45P		TBA	Wells,C.G.	R
16417		EDUC-203-01		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Porter Acad 249	Bilardello,J.A.	
16418		EDUC-203-02		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Oakes Acad 103	Siddens,S.	
16419		EDUC-203-03		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 141	Ebert,V.	
16420		EDUC-203-04		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Steven Acad 151	Kipps,M.J.	
16421		EDUC-203-05		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Crown Clrm 202	Anderson,K.	
16422		EDUC-203-06		Beg Student Teach	5		LEC	TTh	04:00P-05:45P		Soc Sci 1 153	Davis,R.J.	
16423		EDUC-203-07		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Kresge Clrm 319	Murphy,K.J.	
16424		EDUC-203-08		Beg Student Teach	5		LEC	TTh	02:00P-03:45P		Merrill Acad 003	Madden,J.C.	
16425		EDUC-211A-01		Reading & Lang Arts	5		LEC	TTh	04:00P-05:45P		J Baskin Engr 372	Scott,J.A.	R
16426		EDUC-211A-02		Reading & Lang Arts	5		LEC	TTh	06:00P-07:45P		J Baskin Engr 372	Scott,J.A.	R
16429		EDUC-212A-01		Sci Lrn/Teach Elem	5		LEC	T	09:00A-12:30P		TBA	Staff	R
16431		EDUC-212B-01		Sci Ed:Resrch/Pract	5		LEC	TTh	02:00P-03:45P		Soc Sci 1 149	Shaw,J.M.	R
16432		EDUC-213A-01		Math Learn & Teach	5		LEC	W	09:00A-12:30P		TBA	Anderson,K.	R
16433		EDUC-213B-01		Math Education	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 137	Moschkovich,J.N.	R
16434		EDUC-214A-01		English Teaching	5		SEM	TTh	02:00P-03:45P		Steven Acad 151	Olsen,B.	R
16435		EDUC-215A-01		Social Science	5		SEM	TTh	02:00P-03:45P		Soc Sci 1 153	Staff	R
23923		EDUC-253-01		Methods Engl Lang	5		LEC	M	05:00P-06:45P		Merrill Acad 130	Bunch,G.	R
23924		EDUC-253-02		Methods Engl Lang	5		LEC	W	05:00P-06:45P		Kresge Clrm 325	Young,S.	R
16438		EDUC-261-01		Think,Learn,Teach	5		SEM	T	02:00P-05:45P		Crown Clrm 104	Wells,C.G.	R
16439		EDUC-269A-01		Doctoral Proseminar	2		SEM	F	12:30P-02:30P		Crown Clrm 104	Aguirre,J.M.	R
24203		EDUC-270A-01		2nd Yr Prof Dev Sem	2		SEM	W	12:30P-02:00P		TBA	Gibson,M.A.	R
16440		EDUC-284A-01		Adv Student Teach	5		SEM		**To Be Arranged**		TBA	Marchese,T.E.	R
16441		EDUC-284B-01		Adv Student Teach	5		SEM		**To Be Arranged**		TBA	Marchese,T.E.	R
16442		EDUC-284C-01		Adv Student Teach	5		SEM		**To Be Arranged**		TBA	Marchese,T.E.	R
23926		EDUC-285-01		Portfolio Developmt	2		SEM		**To Be Arranged**		TBA	Marchese,T.E.	R
		EDUC-296-XXX		Teach Apprentsp Ind	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-297-XXX		Indep Study	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-299-XXX		Thesis Research	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

ELECTRICAL ENGINEERING

16510		EE-70-01		Intro Elec Circuits	5		LEC	TTh	12:00P-01:45P		Soc Sci 1 110	Liu,W.	R
				<i>Previous or concurrent enrollment in EE 70L is required</i>									
16511		EE-70L-01		Intr Elec Circ Lab	1		LAB		**To Be Arranged**		TBA	Liu,W.	R
				<i>Previous or concurrent enrollment in EE 70 is required</i>									
16515		EE-103-01		Signals & Systems	5		LEC	TTh	02:00P-03:45P		J Baskin Engr 372	Sadjadpour,H.R.	R

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24246	Y	EE-123A-01		Engr Design Proj I <i>Also offered as CMPE 123A</i>	3	LEC	MWF		03:30P-04:40P		J Baskin Engr 169	Bazeghi,C.A.	
23902		EE-145-01		Props of Materials	5	LEC	TTh		02:00P-03:45P		Soc Sci 2 165	Shakouri,A.	R
23903		EE-145L-01		Props of Matrls Lab	1	LAB			**To Be Arranged**		TBA	Shakouri,A.	R
16572		EE-211-01		Intro Nanotechnology	5	LEC	TTh		10:00A-11:45A		J Baskin Engr 165	Schmidt,H.	R
16573		EE-221-01		Adv Analog Circuits	5	LEC	MW		05:00P-06:45P		Kresge Acad 194	Pedrotti,K.	R
23904		EE-233-01		Fiber & Int Optics	5	LEC	TTh		02:00P-03:45P		Steven Acad 221	Gu,C.X.	R
23905		EE-262-01		Stat Signal Process	5	LEC	TTh		02:00P-03:45P		Kresge Clrm 323	Milanfar,P.	R

ENVIRONMENTAL STUDIES

16675		ENVS-24-01		General Ecology	5	N LEC	TTh		08:00A-09:45A		Engineer Lecture 101	Loik,M.E.	R
				<i>Enroll in lecture and associated discussion section</i>									
16676		ENVS-24-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16677		ENVS-24-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16678		ENVS-24-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16679		ENVS-24-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16680		ENVS-24-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16681		ENVS-24-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24024		ENVS-42C-01		SDS: Ecopsychology	5	SEM MW			05:00P-06:45P		Porter Acad 241	Scully,D.	
23927		ENVS-80B-01		Forecast Globl Warm	5	7 LEC	TTh		12:00P-01:45P		Steven Acad 150	Staff	
		ENVS-83-XXX		Internship	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
16735		ENVS-100-01		Ecology And Society	5	LEC	TTh		12:00P-01:45P		Classroom 001	Kelso,D.D.	R
				<i>Concurrent enrollment in ENVS 100L is required</i>									
16736		ENVS-100L-01		Ecol & Soc Writ Lab	2	W LAB	T		08:00A-09:45A		Classroom 001 ISB 221	Zavaleta,E.S. Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16737		ENVS-100L-02		Ecol & Soc Writ Lab	2	W LAB	T		10:00A-11:45A		Nat Sci 2 411	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16738		ENVS-100L-03		Ecol & Soc Writ Lab	2	W LAB	T		02:00P-03:45P		Nat Sci 2 411	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16739		ENVS-100L-04		Ecol & Soc Writ Lab	2	W LAB	T		04:00P-05:45P		Nat Sci 2 411	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16740		ENVS-100L-05		Ecol & Soc Writ Lab	2	W LAB	T		06:00P-07:45P		ISB 221	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16741		ENVS-100L-06		Ecol & Soc Writ Lab	2	W LAB	Th		08:00A-09:45A		ISB 221	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16742		ENVS-100L-07		Ecol & Soc Writ Lab	2	W LAB	Th		10:00A-11:45A		Nat Sci 2 411	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16743		ENVS-100L-08		Ecol & Soc Writ Lab	2	W LAB	Th		02:00P-03:45P		ISB 221	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16744		ENVS-100L-09		Ecol & Soc Writ Lab	2	W LAB	Th		04:00P-05:45P		Nat Sci 2 411	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
16745		ENVS-100L-10		Ecol & Soc Writ Lab	2	W LAB	Th		06:00P-07:45P		ISB 221	Rabkin,S.	R
				<i>Concurrent enrollment in ENVS 100 is required</i>									
23928		ENVS-108-01		General Entomology	5	LEC	TTh		10:00A-11:45A		Earth&Marine B210	Letourneau,D.K.	R
23929		ENVS-108L-01		Gen Entomology Lab	2	LAB	TTh		03:00P-06:00P		Nat Sci 2 233	Letourneau,D.K.	R
				<i>Concurrent enrollment in ENVS 108 is required</i>									
23930		ENVS-115A-01		Gis & Envnmntl Applic	5	LEC	TTh		04:00P-05:45P		Porter Acad 148	Fulfrost,B.	R
				<i>Concurrent enrollment in ENVS 115L is required</i>									
23931		ENVS-115L-01		Gis & Envrn App Lab	2	LAB	M		08:30A-11:30A		ISB 486	Fulfrost,B.	R
				<i>Concurrent enrollment in ENVS 115A is required</i>									
23932		ENVS-115L-02		Gis & Envrn App Lab	2	LAB	W		08:30A-11:30A		ISB 486	Fulfrost,B.	R
				<i>Concurrent enrollment in ENVS 115A is required</i>									
23933		ENVS-115L-03		Gis & Envrn App Lab	2	LAB	F		08:30A-11:30A		ISB 486	Fulfrost,B.	R
				<i>Concurrent enrollment in ENVS 115A is required</i>									
23934		ENVS-115L-04		Gis & Envrn App Lab	2	LAB	W		01:00P-04:00P		ISB 486	Fulfrost,B.	R
				<i>Concurrent enrollment in ENVS 115A is required</i>									
16746		ENVS-120-01		Conservation Biology	5	LEC	MWF		12:30P-01:40P		Earth&Marine B210	Zavaleta,E.S.	R
				<i>Enroll in lecture and associated discussion section</i>									
23935		ENVS-120-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23936		ENVS-120-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
16747		ENVS-130A-01		Agroeco & Sust Ag	5	LEC	MWF		02:00P-03:10P		Steven Acad 175	Gliessman,S.R.	R
				<i>Concurrent enrollment in ENVS 130L is required</i>									
16748	Y	ENVS-130L-01		Agroeco & Sust Lab	2	LAB	T		08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
				<i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>									
16749	Y	ENVS-130L-02		Agroeco & Sust Lab	2	LAB	W		08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
				<i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>									
16750	Y	ENVS-130L-03		Agroeco & Sust Lab	2	LAB	Th		08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
				<i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>									
16751	Y	ENVS-130L-04		Agroeco & Sust Lab	2	LAB	F		08:30A-11:30A		Agroecology 103	Gliessman,S.R.	
				<i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A 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
16757		ENVS-160-01		Restoration Ecology <i>Enroll in lecture and associated discussion section</i>	5	LEC	MWF		11:00A-12:10P		Earth&Marine B210	Holl,K.D.	R
16758		ENVS-160-01A		Discussion		DIS	M		05:00P-06:10P		Nat Sci 2 411	Staff	
16759		ENVS-160-01B		Discussion		DIS	T		08:30A-09:40A		ISB 431	Staff	
16765		ENVS-172-01		Sci/Policy/Environ	5	W SEM	TTh		10:00A-11:45A		Earth&Marine B214	Rajan,S.R.	R
24267		ENVS-173-01		World Envir History	5	LEC	M		03:30P-06:30P		ISB 455	Rajan,S.R.	
		ENVS-183-XXX		Envs Stu Internship	5	FLI			**To Be Arranged**		TBA	Staff	
		ENVS-183B-XXX		Senior Internship	5	FLI			**To Be Arranged**		TBA	Staff	
		ENVS-184-XXX		Envs Stu Internship	2	FLI			**To Be Arranged**		TBA	Staff	
17150		ENVS-201A-01		Keywords & Concepts	5	SEM	TTh		12:00P-01:45P		ISB 455	Gilbert,G.S.	R
							TTh		12:00P-01:45P		ISB 455	Fitzsimmons,M.I.	
							TTh		12:00P-01:45P		ISB 455	Rajan,S.R.	
17151		ENVS-210-01		Pol Econ, Sustain	5	SEM	TTh		10:00A-11:45A		ISB 455	Richards,A.R.	R
17152		ENVS-220-01		Conservatn Biology	5	SEM	WF		01:30P-03:30P		TBA	Gilbert,G.S.	R
							WF		01:30P-03:30P		TBA	Holl,K.D.	
17153		ENVS-290-01		Interdis Research	2	SEM	M		03:30P-05:00P		N. Sci Annex 101	Gilbert,G.S.	R
17154		ENVS-290L-01		Research Seminar	2	LAB	M		02:00P-03:10P		ISB 221	Loik,M.E.	R
23937		ENVS-291-02		Adv Readings in ENVS	3	SEM			**To Be Arranged**		TBA	Fitzsimmons,M.I.	R
23938		ENVS-291-10		Adv Readings in ENVS	3	SEM			**To Be Arranged**		TBA	Loik,M.E.	R
17157		ENVS-292-01		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Cheng,W.	R
17158		ENVS-292-02		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Fitzsimmons,M.I.	R
17159		ENVS-292-03		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Gilbert,G.S.	R
17160		ENVS-292-04		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Gliessman,S.R.	R
17162		ENVS-292-06		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Haddad,B.M.	R
17163		ENVS-292-07		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Holl,K.D.	R
17164		ENVS-292-08		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Kelso,D.D.	R
17165		ENVS-292-09		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Letourneau,D.K.	R
17166		ENVS-292-10		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Loik,M.E.	R
23939		ENVS-292-11		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Press,D.M.	R
17167		ENVS-292-12		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Rajan,S.R.	R
17168		ENVS-292-13		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Richards,A.R.	R
23940		ENVS-292-14		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Shennan,C.	R
17169		ENVS-292-15		Research in ENVS	2	SEM			**To Be Arranged**		TBA	Zavaleta,E.S.	R

ENVIRONMENTAL TOXICOLOGY

17274		ETOX-80E-01		Aquatic Toxicology	5	2Q LEC	TTh		02:00P-03:45P		N. Sci Annex 101	Flegal,A.R.	
17275		ETOX-80E-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17276		ETOX-80E-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17277		ETOX-80E-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17278		ETOX-80E-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
		ETOX-195-XXX		Senior Thesis	5	IND			**To Be Arranged**		TBA	Staff	
		ETOX-198-XXX		Independent Study	5	IND			**To Be Arranged**		TBA	Staff	
		ETOX-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
23762		ETOX-201-01		Sources/Pollutants	5	LEC	TTh		10:00A-11:45A		Kresge Clrm 319	Flegal,A.R.	R
17296		ETOX-281F-01		Topics Aquatic Tox	5	SEM			**To Be Arranged**		J Baskin Engr 258	Flegal,A.R.	R
24017		ETOX-2810-01		Bacterial Pathogen	5	SEM			**To Be Arranged**		J Baskin Engr 258	Ottemann,K.M.	
24018		ETOX-281S-01		Cell&Org/Toxicants	5	SEM			**To Be Arranged**		J Baskin Engr 258	Smith,D.R.	
17297		ETOX-281Y-01		Bacterial Biofilms	2	SEM			**To Be Arranged**		J Baskin Engr 258	Yildiz,F.	R
24019		ETOX-281Z-01		Genetic Responses	5	SEM			**To Be Arranged**		J Baskin Engr 258	Zhu,Z.	
17298		ETOX-292-01		Intro Grad Seminar	0	SEM	T		12:00P-01:00P		Thimann Lab 391	Yildiz,F.	R

FILM AND DIGITAL MEDIA

17401		FILM-20A-01		The Film Experience	5	HA LEC	T		04:00P-07:00P		Media Theater M110	Limbrick,P.E.	R
							TTh		12:00P-01:45P		Media Theater M110		
				<i>Enroll in lecture and associated discussion section</i>									
17402		FILM-20A-01A		Discussion		DIS	W		11:30A-12:30P		Commun Bldg 117	Staff	
17403		FILM-20A-01B		Discussion		DIS	W		12:45P-01:45P		Commun Bldg 117	Staff	
17404		FILM-20A-01C		Discussion		DIS	W		02:00P-03:00P		Commun Bldg 117	Staff	
17405		FILM-20A-01D		Discussion		DIS	W		03:15P-04:15P		Commun Bldg 117	Staff	
17406		FILM-20A-01E		Discussion		DIS	W		05:15P-06:15P		Commun Bldg 121	Staff	
17407		FILM-20A-01F		Discussion		DIS	W		06:30P-07:30P		Commun Bldg 121	Staff	
17408		FILM-20A-01G		Discussion		DIS	Th		02:15P-03:15P		Commun Bldg 121	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
17409		FILM-20A-01H		Discussion		DIS	Th		03:30P-04:30P		Commun Bldg 121	Staff	
17410		FILM-20A-01I		Discussion		DIS	Th		04:45P-05:45P		Commun Bldg 121	Staff	
17411		FILM-20A-01J		Discussion		DIS	Th		06:00P-07:00P		Commun Bldg 121	Staff	
17412		FILM-20A-01K		Discussion		DIS	F		09:00A-10:00A		Commun Bldg 121	Staff	
17413		FILM-20A-01L		Discussion		DIS	F		10:15A-11:15A		Commun Bldg 121	Staff	
17414		FILM-20A-01M		Discussion		DIS	F		11:30A-12:30P		Commun Bldg 121	Staff	
17415		FILM-20A-01N		Discussion		DIS	F		12:45P-01:45P		Commun Bldg 121	Staff	
17416		FILM-20A-01O		Discussion		DIS	F		02:00P-03:00P		Commun Bldg 121	Staff	
17417		FILM-20A-01P		Discussion		DIS	F		03:15P-04:15P		Commun Bldg 121	Staff	
17418		FILM-20C-01		Intro Digital Media	5	HA	LEC	TTh	10:00A-11:45A		Oakes Acad 105	Crane,D.W.	R
				<i>Enroll in lecture and associated discussion section</i>									
17419		FILM-20C-01A		Discussion		DIS	Th		02:00P-03:00P		Commun Bldg 011	Staff	
17420		FILM-20C-01B		Discussion		DIS	Th		03:15P-04:15P		Commun Bldg 011	Staff	
17421		FILM-20C-01C		Discussion		DIS	F		09:00A-10:00A		Commun Bldg 011	Staff	
17422		FILM-20C-01D		Discussion		DIS	F		10:15A-11:15A		Commun Bldg 011	Staff	
17423		FILM-20C-01E		Discussion		DIS	F		11:30A-12:30P		Commun Bldg 011	Staff	
17424		FILM-20C-01F		Discussion		DIS	F		12:45P-01:45P		Commun Bldg 011	Staff	
24218		FILM-421-01		SDS: Sexual Anxiety	5	SEM	M		06:00P-09:00P		Commun Bldg 117	Griffith-Perham	
							W		06:00P-07:45P		Commun Bldg 117	Staff	
17425		FILM-120-01		Intro Film Theory	5	W	LEC	MW	05:00P-06:45P		Oakes Acad 105	Hastie,A.E.	R
							M		07:00P-10:00P		Oakes Acad 105		
				<i>Enroll in lecture and associated discussion section</i>									
17426		FILM-120-01A		Discussion		DIS	Th		09:00A-10:00A		Commun Bldg 117	Staff	
17427		FILM-120-01B		Discussion		DIS	Th		10:15A-11:15A		Commun Bldg 117	Staff	
17428		FILM-120-01C		Discussion		DIS	Th		11:30A-12:30P		Commun Bldg 117	Staff	
17429		FILM-120-01D		Discussion		DIS	Th		12:45P-01:45P		Commun Bldg 117	Staff	
17430		FILM-120-01E		Discussion		DIS	Th		11:45A-12:45P		Commun Bldg 121	Staff	
17431		FILM-120-01F		Discussion		DIS	Th		01:00P-02:00P		Commun Bldg 121	Staff	
17432		FILM-120-01G		Discussion		DIS	F		09:00A-10:00A		Commun Bldg 117	Staff	
17433		FILM-120-01H		Discussion		DIS	F		10:15A-11:15A		Commun Bldg 117	Staff	
17434		FILM-120-01I		Discussion		DIS	F		11:30A-12:30P		Commun Bldg 117	Staff	
17435		FILM-120-01J		Discussion		DIS	F		12:45P-01:45P		Commun Bldg 117	Staff	
23764		FILM-132B-01		Internatnl Cinema	5	A	LEC	TTh	02:00P-03:45P		Oakes Acad 105	Staff	R
							T		06:00P-09:00P		Oakes Acad 105	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
23765		FILM-132B-01A		Discussion		DIS	W		12:15P-01:15P		Commun Bldg 121	Staff	
23766		FILM-132B-01B		Discussion		DIS	W		01:30P-02:30P		Commun Bldg 121	Staff	
23767		FILM-132B-01C		Discussion		DIS	W		02:45P-03:45P		Commun Bldg 121	Staff	
23768		FILM-132B-01D		Discussion		DIS	W		04:00P-05:00P		Commun Bldg 121	Staff	
23769		FILM-132B-01E		Discussion		DIS	Th		04:30P-05:30P		Commun Bldg 117	Staff	
23770		FILM-132B-01F		Discussion		DIS	Th		05:45P-06:45P		Commun Bldg 117	Staff	
23771		FILM-132B-01G		Discussion		DIS	F		02:00P-03:00P		Commun Bldg 117	Staff	
23772		FILM-132B-01H		Discussion		DIS	F		03:15A-04:15A		Commun Bldg 117	Staff	
23773		FILM-136C-01		Visual Culture&Tech	5	LEC	TTh		04:00P-05:45P		Commun Bldg 150	Morse,M.E.	R
17448	Y	FILM-150-01		Screenwriting	5	W	SEM	F	12:40P-04:40P		Commun Bldg 130	Hollander,E.E.	
				<i>See Enrollment Conditions for instructions</i>									
24297		FILM-162-01		Film Authors	5	LEC	MW		05:00P-07:40P		Commun Bldg 150	Gustafson,I.	R
17451		FILM-168-01		Natnl Cine & Cultur	5	LEC	TTh		06:00P-09:00P		Commun Bldg 150	Crane,D.W.	R
17454	Y	FILM-170B-01		Film/Video Productn	5	A	STU	WF	09:00A-11:30A		Commun Bldg 113	Hollander,E.E.	
				<i>See Enrollment Conditions for instructions</i>									
17455		FILM-170B-01A		Secondary Studio		STS	W		11:30A-01:00P		Commun Bldg 140	Hollander,E.E.	
17456	Y	FILM-170B-02		Film/Video Productn	5	A	STU	TTh	11:15A-01:45P		Commun Bldg 113	Andrews,L.	
				<i>See Enrollment Conditions for instructions</i>									
17457		FILM-170B-02A		Secondary Studio		STS	T		02:00P-03:30P		Commun Bldg 140	Andrews,L.	
17458	Y	FILM-172-01		Film & Video Studio	5	STU	WF		12:40P-03:10P		Commun Bldg 113	Vazquez,G.O.	
				<i>See Enrollment Conditions for instructions</i>									
17459		FILM-172-01A		Secondary Studio		STS	W		03:10P-04:40P		Commun Bldg 140	Vazquez,G.O.	
17461	Y	FILM-176-01		Expemnt Video Wksp	5	A	STU	WF	10:00A-12:30P		Commun Bldg 130	Vazquez,G.O.	
				<i>See Enrollment Conditions for instructions</i>									
23777	Y	FILM-178A-01		Pers Comput in F/V	5	STU	TTh		09:00A-11:00A		Commun Bldg 011	Andrews,L.	
				<i>See Enrollment Conditions for instructions</i>									
17463		FILM-194A-01		Film Theory Seminar	5	SEM	MW		10:00A-12:00P		Commun Bldg 121	Hastie,A.E.	R
24298		FILM-194E-01		Internatnl Cinema	5	SEM	TTh		09:30A-11:30A		Commun Bldg 121	Staff	R
FRENCH													
17507		FREN-1-01		Instr French Lang	5	LEC	MWF		11:00A-12:10P		Steven Acad 151	Lemansec,H.	
17508		FREN-1-02		Instr French Lang	5	LEC	MWF		09:30A-10:40A		Oakes Acad 106	Staff	
17509		FREN-1-03		Instr French Lang	5	LEC	MWF		11:00A-12:10P		Oakes Acad 106	Staff	
17510		FREN-2-01		Instr French Lang	5	LEC	MWF		09:30A-10:40A		Merrill Acad 132	Elsley,A.A.	R
17511		FREN-2-02		Instr French Lang	5	LEC	MWF		11:00A-12:10P		Merrill Acad 130	Elsley,A.A.	R
17512		FREN-3-01		Instr French Lang	5	LEC	MWF		02:00P-03:10P		Crown Clrm 208	Staff	R
17513		FREN-4-01		Intermed French	5	H	LEC	MWF	09:30A-10:40A		N. Sci Annex 102	Hutchison,G.K.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
17514		FREN-4-02		Intermed French	5	H	LEC	MWF	11:00A-12:10P		N. Sci Annex 102	Hutchison,G.K.	R
17515		FREN-5-01		Intermediate French	5	H	LEC	MWF	02:00P-03:10P		Merrill Acad 130	Elsley,A.A.	R
17516		FREN-6-01		Intermediate French	5	H	LEC	MWF	03:30P-04:40P		Steven Acad 213	Hutchison,G.K.	R
17517		FREN-13F-01		Oral Fluency/Cultre	2		LEC	M	05:00P-06:45P		Cowell Com 134	Lemansec,H.	R
17533		FREN-111-01		Stylistics	5		LEC	MWF	02:00P-03:10P		Cowell Acad 223	Lemansec,H.	R
GERMAN													
17548		GERM-1-01		Instr German Lang	5		LEC	MWF	08:00A-09:10A		Soc Sci I 161	Campbell,W.I.	
17549		GERM-1-02		Instr German Lang	5		LEC	MWF	09:30A-10:40A		Soc Sci I 161	Campbell,W.I.	
17550		GERM-1-03		Instr German Lang	5		LEC	MWF	11:00A-12:10P		Merrill Acad 132	Harris-Frisk,J.	
17551		GERM-4-01		Intermediate German	5	H	LEC	MWF	11:00A-12:10P		Soc Sci I 161	Campbell,W.I.	R
GREEK													
17570		GREE-1-01		Elem Ancient Greek	5		LEC	MWF	11:00A-12:10P		Cowell Acad 113	Hamel,G.	
HEBREW													
17688		HEBR-1-01		Instr Hebrew Lang	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 165	Rossman-Benjamin	
17689		HEBR-4-01		Intermediate Hebrew	5	H	LEC	MWF	12:30P-01:40P		Porter Acad 241	Rossman-Benjamin	R
17690		HEBR-80-01		Intro Bible Hebrew	5	4	LEC	MWF	02:00P-03:10P		Porter Acad 246	Rossman-Benjamin	
HINDI													
18333		HNDI-1-01		Elementary Hindi	5		SEM	MWF	12:30P-01:40P		Merrill Acad 132	Mock,J.	
18334		HNDI-4-01		Intermediate Hindi	5	H	LEC	MWF	09:30A-10:40A		Steven Acad 213	Mock,J.	R
HISTORY													
24021		HIS-21-01		Classical Myth <i>Also offered as LIT 61M</i>	5	H	LEC	MWF	02:00P-03:10P		Classroom 002	Gamel,M.	
17702		HIS-25A-01		U.S. History To 1877	5	H	LEC	TTh	06:00P-07:45P		Steven Acad 150	Levine,B.C.	
23819		HIS-25A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23820		HIS-25A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23821		HIS-25A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23822		HIS-25A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17703		HIS-25A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17704		HIS-25A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17712		HIS-33-01		Medieval Europe	5	H	LEC	MWF	03:30P-04:40P		Merrill Acad 102	Polecritti,C.L.	
17713		HIS-33-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17714		HIS-33-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17715		HIS-33-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23823		HIS-33-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23824		HIS-34A-01		Intr Hist Americas	5	H	LEC	MWF	09:30A-10:40A		Steven Acad 150	Diaz,M.E.	
23825		HIS-34A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23826		HIS-34A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17726		HIS-40-01		Modern East Asia	5	HE	LEC	MWF	11:00A-12:10P		Engineer Lecture 101	Staff	
17727		HIS-40-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17728		HIS-40-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17729		HIS-40-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17730		HIS-40-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17731		HIS-40-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
17732		HIS-40-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24269		HIS-46-01		Intro Mod Jewish His	5	E	LEC	MWF	08:00A-09:10A		Cowell Clrm 131	Thompson,B.A.	
24270		HIS-46-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24271		HIS-46-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24204		HIS-55A-01		The World to 1500	5	H	LEC	MWF	12:30P-01:40P		Merrill Acad 102	Catlos,B.A.	
24205		HIS-55A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24206		HIS-55A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24207		HIS-55A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24208		HIS-55A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
		HIS-99-XXX		Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
<i>See sponsoring agency for class number</i>													
23831		HIS-104B-01		Labor&Working Class <i>Also offered as AMST 104B</i>	5		LEC	MWF	02:00P-03:10P		Porter Acad 144	Frank,D.L.	
23832		HIS-104B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23833		HIS-104B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23834		HIS-104B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23835		HIS-104B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24165		HIS-107-01		Topics in Roman His	5		LEC	TTh	12:00P-01:45P		Cowell Clrm 131	Hedrick,C.W.	R
24166		HIS-107-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24167		HIS-107-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24177		HIS-117A-01		U.S. From 1877-1914	5		LEC	TTh	06:00P-07:45P		J Baskin Engr 152	Lasar,M.	
24178		HIS-117A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24179		HIS-117A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24180		HIS-117A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24181		HIS-117A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23841		HIS-125A-01		Europ Intellec Hist	5	LEC	MWF		11:00A-12:10P		Steven Acad 150	Beecher,J.F.	
23842		HIS-125A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23843		HIS-125A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23844		HIS-125A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23845		HIS-125A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23846		HIS-131B-01		English History	5	LEC	MWF		03:30P-04:40P		Porter Acad 148	Thompson,B.A.	
23847		HIS-131B-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23848		HIS-131B-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24209		HIS-143A-01		Afro-Amer to 1877	5	E LEC	TTh		10:00A-11:45A		Cowell Clrm 131	Anthony,D.H.	
24210		HIS-143A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24211		HIS-143A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17749		HIS-150B-01		His.China 1644-1911	5	LEC	MWF		12:30P-01:40P		Cowell Clrm 131	Basu,D.K.	
23849		HIS-150B-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23850		HIS-150B-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17750		HIS-159A-01		Ancient Japan	5	LEC	TTh		08:00A-09:45A		Oakes Acad 105	Staff	
17751		HIS-159A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17752		HIS-159A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17753		HIS-159A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
17754		HIS-159A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23853		HIS-163-01		Crusades: 1000-1300	5	LEC	MW		07:00P-08:45P		Merrill Acad 102	Catlos,B.A.	
23854		HIS-163-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23855		HIS-163-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23856		HIS-163-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23857		HIS-163-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
		HIS-192-XXX		Dir Stu Teach	5	IND			**To Be Arranged**		TBA	Staff	
		HIS-193-XXX		Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
17766		HIS-194E-01		Ancient History	5	W SEM	T		04:00P-07:00P		Steven Acad 221	Hedrick,C.W.	R
24273		HIS-194U-01		China:Since Cltrrev	5	WE SEM	T		08:00A-11:00A		TBA	Hershatter,G.B.	
		HIS-195A-XXX		Thesis Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		HIS-195B-XXX		Thesis Writing	5	W IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
24274		HIS-1961-01		Calif & Borderlands	5	W SEM	W		05:00P-08:00P		Crown Clrm 203	Haas,L.	R
24299		HIS-1965-01		Controls Brdcasting	5	W SEM	W		05:00P-08:00P		Soc Sci 2 363	Lasar,M.	R
		HIS-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		HIS-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
17865		HIS-201-01		Methods & Theories	5	SEM	Th		04:00P-07:00P		Merrill Acad 134	Traugott,M.	R
24300		HIS-203-01		Rdgs: 20th c China	5	SEM	M		01:00P-04:00P		Merrill Acad 134	Hershatter,G.B.	R
23858		HIS-205B-01		Rds Europ Soc&Cultr	5	SEM	T		04:00P-07:00P		Merrill Acad 134	Beecher,J.F.	R
23859		HIS-222-01		Gender Research Sem	5	SEM	T		12:00P-03:00P		Merrill Acad 134	Westerkamp,M.J.	R
17868		HIS-290A-01		Teaching Pedagogy	2	SEM	M		05:00P-08:00P		Merrill Acad 134	Yang-Murray,A.S.	R

HISTORY OF ART AND VISUAL CULTURE

23787		HAVC-10F-01		Nude in Westrn Trad	5	HA LEC	MWF		03:30P-04:40P		Engineer Lecture 101	Hunter,D.M.	
				<i>Enroll in lecture and associated discussion section</i>									
23788		HAVC-10F-01A		Discussion		DIS	W		05:00P-06:10P		Porter Acad 248	Staff	
23789		HAVC-10F-01B		Discussion		DIS	W		06:30P-07:40P		Porter Acad 248	Staff	
23790		HAVC-10F-01C		Discussion		DIS	Th		08:30A-09:40A		Porter Acad 248	Staff	
23791		HAVC-10F-01D		Discussion		DIS	Th		10:00A-11:10A		Porter Acad 248	Staff	
23792		HAVC-10F-01E		Discussion		DIS	Th		12:00P-01:10P		Porter Acad 248	Staff	
23793		HAVC-10F-01F		Discussion		DIS	Th		02:00P-03:10P		Porter Acad 248	Staff	
23794		HAVC-10F-01G		Discussion		DIS	F		08:00A-09:10A		Porter Acad 248	Staff	
23795		HAVC-10F-01H		Discussion		DIS	F		09:30A-10:40A		Porter Acad 248	Staff	
23796		HAVC-10F-01I		Discussion		DIS	F		11:00A-12:10P		Porter Acad 248	Staff	
23797		HAVC-10F-01J		Discussion		DIS	F		12:30P-01:40P		Porter Acad 248	Staff	
23798		HAVC-80A-01		Intro Architecture	5	5A LEC	MWF		09:30A-10:40A		Oakes Acad 105	Osorio,E.	
23799		HAVC-80A-01A		Discussion		DIS	M		05:00P-06:10P		Porter Acad 248	Staff	
23800		HAVC-80A-01B		Discussion		DIS	M		06:30P-07:40P		Porter Acad 248	Staff	
23801		HAVC-80A-01C		Discussion		DIS	T		12:00P-01:10P		Porter Acad 248	Staff	
23802		HAVC-80A-01D		Discussion		DIS	T		02:00P-03:10P		Porter Acad 248	Staff	
23803		HAVC-80A-01E		Discussion		DIS	F		02:00P-03:10P		Porter Acad 248	Staff	
23804		HAVC-80A-01F		Discussion		DIS	F		03:30P-04:40P		Porter Acad 248	Staff	
23805		HAVC-80G-01		Rel & Vis in China	5	5AE LEC	TTh		02:00P-03:45P		Soc Sci 1 110	Birnbaum,R.	
				<i>Enroll in lecture and associated discussion section</i>									
23806		HAVC-80G-01A		Discussion		DIS	T		06:00P-07:10P		Porter Acad 248	Staff	
23807		HAVC-80G-01B		Discussion		DIS	T		07:30P-08:40P		Porter Acad 248	Staff	
23808		HAVC-80G-01C		Discussion		DIS	Th		06:00P-07:10P		Porter Acad 248	Staff	
17603		HAVC-105P-01		Pacific Islands Art	5	AE LEC	TTh		12:00P-01:45P		Oakes Acad 105	Kamehiro,S.L.	
				<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
17604		HAVC-105P-01A		Discussion		DIS	M		12:30P-01:40P		Porter Acad 248	Staff	
17605		HAVC-105P-01B		Discussion		DIS	M		02:00P-03:10P		Porter Acad 248	Staff	
17606		HAVC-105P-01C		Discussion		DIS	W		09:30A-10:40A		Porter Acad 248	Staff	
17607		HAVC-105P-01D		Discussion		DIS	W		11:00A-12:10P		Porter Acad 248	Staff	
23809		HAVC-106A-01		India Religious Art	5	AE	LEC	TTh	12:00P-01:45P		Eight Acad 240	Thangavelu,K.	R
<i>Enroll in lecture and associated discussion section</i>													
23810		HAVC-106A-01A		Discussion		DIS	M		09:30A-10:40A		Porter Acad 248	Staff	
23811		HAVC-106A-01B		Discussion		DIS	M		11:00A-12:10P		Porter Acad 248	Staff	
23812		HAVC-106A-01C		Discussion		DIS	W		12:30P-01:40P		Porter Acad 248	Staff	
23813		HAVC-106A-01D		Discussion		DIS	W		02:00P-03:10P		Porter Acad 248	Staff	
23814		HAVC-114-01		Buddhist Visul World	5	A	LEC	TTh	10:00A-11:45A		Eight Acad 240	Birnbaum,R.	R
24140		HAVC-115-01		Italian Renaissance	5	A	LEC	MWF	12:30P-01:40P		Eight Acad 240	Madar,H.	
24141		HAVC-115-01A		Discussion		DIS	T		08:30A-09:40A		Porter Acad 248	Staff	
24142		HAVC-115-01B		Discussion		DIS	T		10:00A-11:10A		Porter Acad 248	Staff	
24143		HAVC-115-01C		Discussion		DIS	W		08:00A-09:10A		Porter Acad 248	Staff	
24144		HAVC-115-01D		Discussion		DIS	W		03:30P-04:40P		Porter Acad 248	Staff	
23815		HAVC-163A-01		Early Medvl:Medit	5	A	LEC	TTh	12:00P-01:45P		Eight Acad 250	Jansen,Y.	R
23816		HAVC-190J-01		Medieval City Envir	5	A	SEM	TTh	06:00P-07:45P		Porter Acad 246	Jansen,Y.	R
23817		HAVC-190U-01		Women in Indian Art	5	AE	SEM	TTh	04:00P-05:45P		Porter Acad 250	Thangavelu,K.	R
23818		HAVC-191P-01		Pac Is Art/Identity	5	AE	SEM	TTh	04:00P-05:45P		Porter Acad 246	Kamehiro,S.L.	R

HISTORY OF CONSCIOUSNESS

18018		HISC-80E-01		Myth and Religion	5	4	LEC	TTh	02:00P-03:45P		Eight Acad 240	Devries,K.A.	
18019		HISC-80E-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18020		HISC-80E-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18021		HISC-80E-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18022		HISC-80E-01D		Discussion			DIS	Su	**To Be Arranged**		TBA	Staff	
18033	Y	HISC-203-01		Approach to Histcon	5		SEM	Th	10:00A-01:00P		Oakes Acad 109	Davis,A.Y.	R
23863		HISC-204A-01		Intr Cultrl Studies	5		SEM	T	09:00A-12:00P		Oakes Acad 109	Clifford,J.T.	R
23864		HISC-209A-01		Women of Color	5		SEM	T	01:00P-04:00P		Oakes Acad 109	Davis,A.Y.	R
23865		HISC-260A-01		Film & the Visible	5		SEM	M	01:00P-07:00P		Oakes Acad 109	De Lauretis,T.	

INFORMATION SYSTEMS MANAGEMENT

18339		ISM-50-01		Business Inf System	5		LEC	TTh	12:00P-01:45P		Engineer 2 194	Ross,K.	
24308		ISM-101-01		Mgmt of Tech Semnr	1		SEM	TTh	02:00P-03:45P		Engineer 2 194	Desa,S.	
24309		ISM-205-01		Management Tech I	5		LEC	TTh	04:00P-05:45P		Engineer 2 194	Desa,S.	R

ITALIAN

18341		ITAL-1-01		Instr Italian Lang	5		LEC	MWF	11:00A-12:10P		Steven Acad 152	Centineo,G.	
18342		ITAL-1-02		Instr Italian Lang	5		LEC	MWF	12:30P-01:40P		Kresge Clrm 323	Prencipe,M.A.	
18343		ITAL-1-03		Instr Italian Lang	5		LEC	MWF	02:00P-03:10P		Kresge Clrm 323	Prencipe,M.A.	
18344		ITAL-1-04		Instr Italian Lang	5		LEC	MWF	03:30P-04:40P		Kresge Clrm 323	Prencipe,M.A.	
18345		ITAL-4-01		Intermed Italian	5	H	LEC	MWF	02:00P-03:10P		Steven Acad 151	Centineo,G.	R
18346		ITAL-4-02		Intermed Italian	5	H	LEC	MWF	03:30P-04:40P		Steven Acad 151	Centineo,G.	R

JAPANESE

18370		JAPN-1-01		Elementary Japanese	5		LEC	MWF	02:00P-03:10P		Cowell Com 134	Ishibashi,C.	
18371		JAPN-1-02		Elementary Japanese	5		LEC	MWF	03:30P-04:40P		Cowell Com 134	Ishibashi,C.	
18372		JAPN-1-03		Elementary Japanese	5		LEC	MWF	09:30A-10:40A		Merrill Acad 130	Fujita,S.	
18373		JAPN-1-04		Elementary Japanese	5		LEC	MWF	11:00A-12:10P		Crown Acad 208	Fujita,S.	
18374		JAPN-4-01		Intermed Japanese	5	H	LEC	MWF	02:00P-03:10P		Soc Sci 2 179	Fujita,S.	R
18375		JAPN-50-01		Preadvance Japanese	5	H	LEC	MWF	11:00A-12:10P		Cowell Acad 222	Ishibashi,C.	R

LATIN

18614		LATN-1-01		Elementary Latin	5		LEC	MWF	02:00P-03:10P		Cowell Acad 113	Hamel,G.	
18615		LATN-1-02		Elementary Latin	5		LEC	MWF	03:30P-04:40P		Cowell Acad 113	Hamel,G.	

LATIN AMERICAN AND LATINO STUDIES

18476		LALS-1-01		Intro Latin Amer St	5	SE	LEC	TTh	06:00P-07:45P		Classroom 001	Delgado-P,G.	
<i>Enroll in lecture and associated discussion section</i>													
18477		LALS-1-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18478		LALS-1-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18479		LALS-1-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18480		LALS-1-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18481		LALS-1-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18482		LALS-1-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23522		LALS-80F-01		Latinos in the U.S.	5	3E	LEC	TTh	10:00A-11:45A		Soc Sci 2 179	Staff	
18484		LALS-80Q-01		Musica Latina	5	3E	LEC	MW	07:00P-08:45P		Soc Sci 2 075	Landau,G.	
23523		LALS-170-01		Indigenous Struggles	5	E	LEC	MW	05:00P-06:45P		TBA	Delgado-P,G.	
23524		LALS-173-01		Lat Am Immigr to US	5	E	LEC	TTh	04:00P-05:45P		Cowell Com 134	Jonas,S.L.	
		LALS-190-XXX		Internship	5		IND		**To Be Arranged**		TBA	Staff	
<i>See sponsoring agency for class number</i>													
		LALS-190F-XXX		Internship	2		IND		**To Be Arranged**		TBA	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
		LALS-192-XXX		Directed Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		LALS-193-XXX		Local Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
18518		LALS-194N-01		Las Izquierdas L Am	5	E SEM	W		05:00P-08:30P		Merrill Acad 130	Jonas,S.L.	
		LALS-195B-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		LALS-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		LALS-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
23525		LALS-200-01		Lat Am/Latino Study <i>Taught in conjunction with LTSP 226 and LTMO 280</i>	5	SEM	Th		05:00P-08:00P		Cowell Acad 223	Poblete,J.E.	R

LEGAL STUDIES

18618		LGST-10-01		Intro Legal Process	5	S	LEC	MWF	08:00A-09:10A		Earth&Marine B206	Staff	
18619		LGST-10-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18620		LGST-10-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18621		LGST-10-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18622		LGST-10-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18623		LGST-10-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18624		LGST-10-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18625		LGST-10-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18626		LGST-10-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23986		LGST-105B-01		Mod Politic Thought <i>Enroll in lecture and associated discussion section; also offered as POLI 105B</i>	5		LEC	TTh	12:00P-01:45P		J Baskin Engr 152	Seth,V.	R
23993		LGST-105B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23994		LGST-105B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24069		LGST-105B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24070		LGST-105B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23999		LGST-118-01		Political Anthro <i>Also offered as ANTH 138</i>	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 071	Pandey,T.N.	
24000		LGST-120A-01		Congress/Pres&Court <i>Enroll in lecture and associated discussion section; also offered as POLI 120A</i>	5		LEC	MWF	09:30A-10:40A		Kresge Clrm 321	Wirls,D.J.	R
24001		LGST-120A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24002		LGST-120A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24075		LGST-120A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24076		LGST-120A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24077		LGST-120A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24078		LGST-120A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18632		LGST-131-01		Natrl Resources Law	5		LEC	TTh	10:00A-11:45A		Crown Clrm 208	Langridge,R.	R
24003		LGST-162-01		Legal Env Business <i>Also offered as ECON 162</i>	5		LEC	MW	05:00P-06:45P		Soc Sci 1 110	Bosso,R.E.	

LINGUISTICS

18658		LING-20-01		Intr to Linguistics	5	H	SEM	MWF	03:30P-04:40P		Thim Lecture 001	Hankamer,J.	
18659		LING-20-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18660		LING-20-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24268		LING-20-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18665		LING-52-01		Syntax I	5	HW	LEC	MWF	09:30A-10:40A		Cowell Clrm 131	Hankamer,J.	R
18666		LING-52-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18667		LING-52-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23529		LING-52-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24170		LING-80B-01		Mod English Grammar	5	4	LEC	MW	05:00P-06:45P		Classroom 001	Pullum,G.K.	
18673		LING-101-01		Phonology I	5	W	LEC	MWF	11:00A-12:10P		Cowell Clrm 131	Padgett,J.	R
23530		LING-101-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18674		LING-101-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18675		LING-101-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24272		LING-120-01		Structure English	5		LEC	MWF	02:00P-03:10P		Oakes Acad 106	Pullum,G.K.	R
18741		LING-211-01		Phonology A	5		SEM	TTh	10:00A-11:45A		Steven Lib 102	Mester,R.A.	R
18742		LING-219-01		Phonology Seminar	5		SEM	Th	02:00P-05:00P		Steven Lib 102	Ito,J.	R
18743		LING-221-01		Syntax A	5		LEC	WF	09:00A-10:45A		Steven Lib 102	Aissen,J.L.	R
18744		LING-231-01		Semantics A	5		LEC	WF	01:00P-02:45P		Steven Lib 102	Farkas,D.F.	R
18745		LING-239-01		Semantics Seminar	5		LEC	T	02:00P-05:00P		Steven Lib 102	Ladusaw,W.A.	R

LITERATURE

18836		LIT-1-01		Literary Interpret <i>Enroll in lecture and associated discussion section</i>	5	HW	LEC	MW	08:00A-09:10A		Oakes Acad 105	Gillman,S.	R
18837		LIT-1-01A		Discussion			DIS	MW	**To Be Arranged**		TBA	Staff	
18838		LIT-1-01B		Discussion			DIS	MW	**To Be Arranged**		TBA	Staff	
18839		LIT-1-01C		Discussion			DIS	MW	**To Be Arranged**		TBA	Staff	
18840		LIT-1-01D		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
18841		LIT-1-01E		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	
18842		LIT-1-01F		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	
18843		LIT-1-01G		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	
24173		LIT-42L-01		SDS: Post-Apartheid	5		SEM	MWF	03:30P-04:40P		Merrill Acad 003	Sands,J.	
18848		LIT-61M-01		Classical Myth	5	H	LEC	MWF	02:00P-03:10P		Classroom 002	Gamel,M.	
				<i>Also offered as HIS 21</i>									
18849		LIT-80I-01		Amer Popular Cultur	5	4	LEC	MWF	12:30P-01:40P		Engineer Lecture 101	Chude-Sokei,L.O.	
18854		LIT-101-01		Theory & Interpretn	5	W	LEC	TTh	08:00A-09:45A		Steven Acad 150	Leicester,H.M.	R
								T	07:00P-10:00P		Thim Lecture 003		
				<i>Enroll in lecture and associated discussion section</i>									
18855		LIT-101-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18856		LIT-101-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18857		LIT-101-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23533		LIT-101-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23534		LIT-101-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
18864		LIT-200-01		Proseminar	5		SEM	T	02:00P-05:00P		Cowell Acad 223	Greene,J.	R
CREATIVE WRITING													
19088		LTCR-10-01		Intro Creative Writ	5	A	LEC	MW	11:00A-12:10P		Kresge Clrm 321	Perks,M.E.	R
				<i>Enroll in lecture and associated discussion section</i>									
19089		LTCR-10-01A		Discussion			DIS	MW	**To Be Arranged**		TBA	Staff	
19090		LTCR-10-01B		Discussion			DIS	MW	**To Be Arranged**		TBA	Staff	
19091		LTCR-10-01C		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	
19092		LTCR-10-01D		Discussion			DIS	TTh	**To Be Arranged**		TBA	Staff	
19093	Y	LTCR-52-01		Inter Fiction Writing	5	A	SEM	MW	07:00P-08:45P		Crown Clrm 201	Staff	
				<i>See Enrollment Conditions for instructions</i>									
19094	Y	LTCR-53-01		Inter Poetry Writing	5	A	SEM	TTh	02:00P-03:45P		Soc Sci 2 363	Staff	
				<i>See Enrollment Conditions for instructions</i>									
19095		LTCR-180-01		Adv Writing-Fiction	5	A	SEM	MW	09:00A-10:45A		Kresge Lib 348	Perks,M.E.	R
23539		LTCR-183-01		Adv Writing-Poetry	5	A	SEM	TTh	04:00P-05:45P		Classroom 201	Atkinson,C.O.	R
ENGLISH LANGUAGE LITERATURES													
24108		LTEL-102D-01		US Canon 1900-Pres	5		LEC	MWF	02:00P-03:10P		Steven Acad 150	Skenazy,P.N.	
24109		LTEL-102D-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24110		LTEL-102D-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24115		LTEL-102D-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24116		LTEL-102D-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24117		LTEL-110B-01		18th c.English Novel	5		LEC	TTh	10:00A-11:45A		Soc Sci 1 110	Greene,J.	
24119		LTEL-110B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24120		LTEL-110B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24275		LTEL-110H-01		American Autobiogrph	5		LEC	MW	05:00P-06:45P		TBA	Staff	
24127		LTEL-170C-01		Shakespeare	5		LEC	MWF	09:30A-10:40A		Thim Lecture 003	Jones,W.R.	
24128		LTEL-170C-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24129		LTEL-170C-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24301		LTEL-170C-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24302		LTEL-170C-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24303		LTEL-170C-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24304		LTEL-170C-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24130		LTEL-190H-01		Picturing Calif	5	E	SEM	TTh	02:00P-03:45P		TBA	Burton-Carvajal,J.	R
FRENCH LITERATURE													
23542		LTFR-134-01		Lit Outside France	5	E	SEM	TTh	08:00P-09:45P		Steven Acad 151	Gaitet,P.	
				<i>Taught in conjunction with LTFR 234</i>									
24213		LTFR-234-01		Lit Outside France	5		SEM	TTh	08:00P-09:45P		Steven Acad 151	Gaitet,P.	
				<i>Taught in conjunction with LTFR 134</i>									
GERMAN LITERATURE													
23545		LTGE-102-01		Intro to German Lit	5		LEC	MWF	03:30P-04:40P		Steven Acad 221	Honnef,T.	
GREEK LITERATURE													
19225		LTGR-104-01		Prose Authors	5		SEM	TTh	02:00P-03:45P		Steven Acad 213	Branham,R.B.	
ITALIAN LITERATURE													
19261		LTIT-102-01		Intro Italian Lit	5		SEM	TTh	02:00P-03:45P		Steven Acad 217	Brose,M.R.	
LATIN LITERATURE													
23546		LTIN-102-01		Roman Poetry	5		SEM	TTh	04:00P-05:45P		Soc Sci 2 171	Lynch,J.P.	
MODERN LITERARY STUDIES													
24215		LTM0-125L-01		Films on the Border	5	E	LEC	TTh	06:00P-07:45P		Soc Sci 1 110	Burton-Carvajal,J.	
24216		LTM0-125L-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24217		LTM0-125L-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23548		LTM0-144D-01		Jewish Writers	5	E	SEM	W	07:00P-10:00P		Soc Sci 2 071	Baumgarten,M.	
								TTh	12:00P-01:45P		Kresge Clrm 327	Baumgarten,M.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23549		LTM0-144D-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23550		LTM0-144D-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23551		LTM0-155B-01		Russ Lit Since Revo	5	LEC	TTh		04:00P-05:45P		Soc Sci 1 110	Nickell,W.S.	
23552		LTM0-155B-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23553		LTM0-155B-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23555		LTM0-180F-01		Latin Amer Women	5	E LEC	TTh		04:00P-05:45P		Soc Sci 2 071	Martinez-Echazabal,L.	
23556		LTM0-180F-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23557		LTM0-180F-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23558		LTM0-231-01		Lit & Cultr History	5	SEM	Th		02:00P-05:00P		Cowell Acad 223	Nygaard,L.C.	R
24244		LTM0-280-01		Topics In Theory	5	LEC	Th		05:00P-08:00P		Cowell Acad 223	Poblete,J.E.	R

Taught in conjunction with LTSP 226 and LALS 200

PRE- AND EARLY MODERN LITERATURE

24276		LTPR-139-01		Rhetoric/Lit/Perf	5	LEC	TTh		12:00P-01:45P		TBA	Branham,R.B.	
23559		LTPR-190P-01		Pre/Early Studies	5	SEM	MW		05:00P-06:45P		Soc Sci 1 145	Walsh,T.R.	R
24212		LTPR-244-01		Queering the Renais	5	SEM	M		05:00P-08:00P		Soc Sci 2 159	Freccero,C.A.	

SPANISH/LATIN AMERICAN/LATINO LITERATURE

19423		LTSP-60-01		Intr Literary Genre	5	HE LEC	MWF		11:00A-12:10P		TBA	Aladro Font,J.	
24158		LTSP-131H-01		Cuba	5	E SEM	TTh		12:00P-01:45P		Oakes Acad 222	Martinez-Echazabal,L.	
24277		LTSP-134C-01		Fictn & Marginality	5	E LEC	TTh		02:00P-03:45P		TBA	Klahn,N.	
24214		LTSP-226-01		Teoria Critica	5	SEM	Th		05:00P-08:00P		Cowell Acad 223	Poblete,J.E.	

Taught in conjunction with LALS 200 and LTM0 280

24157		LTSP-232A-01		Mundo hispan 13-18c	5	LEC	W		05:00P-08:00P		Soc Sci 2 159	Aladro Font,J.	R
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WORLD LITERATURE AND CULTURAL STUDIES

24284		LTWL-115A-01		Global Fiction	5	LEC	MWF		12:30P-01:40P		TBA	Kallay,G.	
23560		LTWL-190A-01		Topics in World Lit	5	E SEM	MW		05:00P-06:45P		Soc Sci 2 165	Chude-Sokei,L.O.	R
23561		LTWL-201-01		Theory and Methods	5	SEM	F		09:30A-12:30P		Kresge Lib 348	Gillman,S.	R

MATHEMATICS

Math sections start Wednesday, September 29.

19540		MATH-2-01		Col Albra/Calculus	5	LEC	MWF		03:30P-04:40P		Earth&Marine B206	Migliore,E.T.	R
23562		MATH-2-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23563		MATH-2-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23564		MATH-2-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23565		MATH-2-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23566		MATH-2-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23567		MATH-2-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23568		MATH-2-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23569		MATH-2-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19541		MATH-3-01		Precalculus	5	Q LEC	MWF		09:30A-10:30A		Earth&Marine B206	Simon,E.	R
19542		MATH-3-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19543		MATH-3-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19544		MATH-3-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19545		MATH-3-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19546		MATH-3-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19547		MATH-3-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23572		MATH-3-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19548		MATH-3-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19549		MATH-3-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19550		MATH-3-01J		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23570		MATH-3-01K		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23571		MATH-3-01L		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19551		MATH-3-02		Precalculus	5	Q LEC	MWF		12:30P-01:40P		Media Theater M110	Bauerle,F.	R
19552		MATH-3-02A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19553		MATH-3-02B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19554		MATH-3-02C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19555		MATH-3-02D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19556		MATH-3-02E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19557		MATH-3-02F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19558		MATH-3-02G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19559		MATH-3-02H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19560		MATH-3-02I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19561		MATH-3-02J		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19562		MATH-3-02K		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19563		MATH-3-02L		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19566		MATH-11A-01		Calculus with Apps	5	NQ LEC	MWF		11:00A-12:10P		Classroom 001	Mason,G.	R

Enroll in lecture and associated secondary lab

19567		MATH-11A-01A		Secondary Lab		LBS	MW		**To Be Arranged**		TBA	Staff	
19568		MATH-11A-01B		Secondary Lab		LBS	MW		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19569		MATH-11A-01C		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19570		MATH-11A-01D		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
23573		MATH-11A-01E		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19571		MATH-11A-02		Calculus with Apps	5	NQ	LEC	MWF	12:30P-01:40P		Thim Lecture 003	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
19572		MATH-11A-02A		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19573		MATH-11A-02B		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19574		MATH-11A-02C		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19575		MATH-11A-02D		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
23574		MATH-11A-02E		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19576		MATH-11B-01		Calculus with Apps	5	NQ	LEC	MWF	11:00A-12:10P		Oakes Acad 105	Field,R.E.	R
				<i>Enroll in lecture and associated secondary lab</i>									
19577		MATH-11B-01A		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19578		MATH-11B-01B		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19579		MATH-11B-01C		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19580		MATH-11B-01D		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
23575		MATH-11B-01E		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
23576		MATH-11B-01F		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19581		MATH-19A-01		Calc:Sci,Engin,Math	5	NQ	LEC	MWF	12:30P-01:40P		Oakes Acad 105	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
19582		MATH-19A-01A		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19583		MATH-19A-01B		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19584		MATH-19A-01C		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19585		MATH-19A-01D		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19586		MATH-19A-01E		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19587		MATH-19A-01F		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19588		MATH-19A-02		Calc:Sci,Engin,Math	5	NQ	LEC	MWF	03:30P-04:40P		Oakes Acad 105	Bauerle,F.	R
				<i>Enroll in lecture and associated secondary lab</i>									
23577		MATH-19A-02A		Secondary Lab		LBS	MW		12:00P-01:50P		Kerr Hall 269	Staff	
19589		MATH-19A-02B		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
24323		MATH-19A-02C		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19590		MATH-19A-02D		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19591		MATH-19A-02E		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19592		MATH-19A-02F		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19593		MATH-19B-01		Calc:Sci,Engin,Math	5	NQ	LEC	MWF	11:00A-12:10P		Earth&Marine B206	Xu,B.	R
				<i>Enroll in lecture and associated secondary lab</i>									
19594		MATH-19B-01A		Secondary Lab		LBS	MW		02:00P-03:50P		Kerr Hall 269	Staff	
19595		MATH-19B-01B		Secondary Lab		LBS	MW		04:00P-05:50P		Kerr Hall 269	Staff	
19596		MATH-19B-01C		Secondary Lab		LBS	MW	**To Be Arranged**			TBA	Staff	
19597		MATH-19B-01D		Secondary Lab		LBS	TTh		08:00A-09:50A		Kerr Hall 269	Staff	
19598		MATH-19B-01E		Secondary Lab		LBS	TTh		10:00A-11:50A		Kerr Hall 269	Staff	
19599		MATH-19B-01F		Secondary Lab		LBS	TTh	**To Be Arranged**			TBA	Staff	
19600		MATH-20A-01		Honors Calculus	5		LEC	MWF	02:00P-03:10P		N. Sci Annex 102	Mitchell,R.R.	R
19601		MATH-21-01		Linear Algebra	5	Q	LEC	MWF	11:00A-12:10P		Eight Acad 240	Todorov,A.N.	
19602		MATH-21-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
19603		MATH-21-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
19604		MATH-22-01		Calc of Several Var	5		LEC	MWF	02:00P-03:10P		Earth&Marine B206	Tamanoi,H.	R
				<i>Enroll in lecture and associated secondary lab</i>									
19605		MATH-22-01A		Secondary Lab		LBS	MW		08:00A-09:50A		Kerr Hall 269	Staff	
19606		MATH-22-01B		Secondary Lab		LBS	MW		12:00P-01:50P		Kerr Hall 283	Staff	
19607		MATH-22-01C		Secondary Lab		LBS	MW		10:00A-11:50A		Kerr Hall 269	Staff	
19608		MATH-22-01D		Secondary Lab		LBS	MW		06:00P-07:50P		Kerr Hall 269	Staff	
19609		MATH-22-01E		Secondary Lab		LBS	TTh		10:00A-11:50A		Kerr Hall 283	Staff	
19610		MATH-22-01F		Secondary Lab		LBS	TTh		12:00P-01:50P		Kerr Hall 269	Staff	
23578		MATH-22-01G		Secondary Lab		LBS	TTh		02:00P-03:50P		Kerr Hall 269	Staff	
23579		MATH-22-01H		Secondary Lab		LBS	TTh		06:00P-07:50P		Kerr Hall 269	Staff	
19611		MATH-23A-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		Classroom 001	Simon,E.	R
				<i>Enroll in lecture and associated secondary lab</i>									
19612		MATH-23A-01A		Secondary Lab		LBS	MW		10:00A-11:00A		Kerr Hall 283	Staff	
19613		MATH-23A-01B		Secondary Lab		LBS	MW		02:00P-03:00P		Kerr Hall 283	Staff	
19614		MATH-23A-01C		Secondary Lab		LBS	MW		06:00P-07:00P		Kerr Hall 283	Staff	
19615		MATH-23A-01D		Secondary Lab		LBS	TTh		08:00A-09:00A		Kerr Hall 283	Staff	
19616		MATH-23A-01E		Secondary Lab		LBS	TTh		12:00P-01:00P		Kerr Hall 283	Staff	
19617		MATH-23A-01F		Secondary Lab		LBS	TTh		06:00P-07:00P		Kerr Hall 283	Staff	
19618		MATH-23B-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		Steven Acad 175	Mitchell,R.R.	R
				<i>Enroll in lecture and associated secondary lab</i>									
19619		MATH-23B-01A		Secondary Lab		LBS	MW		08:00A-09:00A		Kerr Hall 283	Staff	
19620		MATH-23B-01B		Secondary Lab		LBS	TTh		02:00P-03:00P		Kerr Hall 283	Staff	
19621		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**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
19625		MATH-100-01		Intr Proof/Prb Solv	5		LEC	MWF	02:00P-03:10P		Earth&Marine B210	Todorov,A.N.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19626		MATH-100-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19627		MATH-100-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19628		MATH-103-01		Complex Analysis	5	LEC	MWF		11:00A-12:10P		Cowell Com 134	Staff	R
19629		MATH-103-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19630		MATH-103-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23582		MATH-105A-01		Real Analysis	5	LEC	TTh		12:00P-01:45P		TBA	Qing,J.	R
23583		MATH-105A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23584		MATH-105A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19631		MATH-106A-01		Ordinary Diff Equas	5	LEC	TTh		10:00A-11:45A		Thimann Lab 101	Schonbek,M.	R
19635		MATH-111A-01		Algebra	5	LEC	MWF		03:30P-04:40P		Earth&Marine B210	Xu,B.	R
19636		MATH-111A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19637		MATH-111A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
19641		MATH-124-01		Intro to Topology	5	LEC	MWF		02:00P-03:10P		Thimann Lab 101	Field,R.E.	R
19642		MATH-128A-01		Classical Geometry	5	LEC	MWF		02:00P-03:10P		Eight Acad 250	Montgomery,R.	R
		MATH-188-XXX		Supervised Teaching	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-195-XXX		Senior Thesis	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-199-XXX		Tutorial	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
23586		MATH-200-01		Algebra I	5	LEC	MW		02:00P-03:45P		Kerr Hall 289	Mason,G.	R
23587		MATH-203-01		Analysis I	5	LEC	TTh		10:00A-11:45A		Kerr Hall 171	Qing,J.	R
23588		MATH-222A-01		Algebra Number Theo	5	LEC	MW		02:00P-03:45P		Kerr Hall 171	Boltje,R.	
23590		MATH-225A-01		Lie Algebras	5	LEC	TTh		10:00A-11:45A		Kerr Hall 289	Dong,C.	
23591		MATH-228-01		Lie Incidence Geom	5	LEC	MW		12:00P-01:45P		Kerr Hall 289	Cooperstein,B.N.	
23592		MATH-232-01		Morse Theory	5	LEC	TTh		02:00P-03:45P		Kerr Hall 171	Weitsman,J.	
19790		MATH-234A-01		Calculus Manifolds	5	LEC	TTh		02:00P-03:45P		Kerr Hall 289	Ginzburg,V.	
23593		MATH-287-01		Topology Topics	5	LEC	MW		10:00A-11:45A		Kerr Hall 171	Tamanoi,H.	
19793		MATH-292-01		Seminar	0	SEM	TTh		04:00P-05:45P		Kerr Hall 283	Schonbek,M.	
		MATH-297A-XXX		Independent Study	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-298-XXX		Independent Study	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-299A-XXX		Thesis Research	5	IND			**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									

MUSIC

20125	Y	MUSC-1C-01		Concert Choir	2	A	STU	MW	05:00P-06:45P		Music Center 131	Desjardins,J.A.	
				<i>See Enrollment Conditions for instructions</i>									
20126	Y	MUSC-2-01		Univ Orchestra	2	A	STU	TTh	05:00P-07:00P		Music Center 114	Paiement,N.A.	
				<i>See Enrollment Conditions for instructions</i>									
20127	Y	MUSC-3-01		Large Jazz Ensemble	2	A	STU	M	04:30P-07:00P		Music Center 114	Klevan,R.	
				<i>See Enrollment Conditions for instructions</i>									
20128	Y	MUSC-4A-01		Lat Am Ensem: Voces	2	A	STU	TTh	06:00P-07:30P		Music Center 130	Nieves,D.	
								TTh	06:00P-07:30P		Music Center 131		
				<i>See Enrollment Conditions for instructions</i>									
20129	Y	MUSC-4B-01		Lat Am En: Taki Nan	2	A	STU	TTh	07:30P-09:30P		Music Center 130	Nieves,D.	
								TTh	07:30P-09:30P		Music Center 131		
				<i>See Enrollment Conditions for instructions</i>									
20130	Y	MUSC-5A-01		Beg W Java Gamelan	2	A	STU	W	02:00P-04:00P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
20131	Y	MUSC-5A-02		Beg W Java Gamelan	2	A	STU	Th	11:30A-01:30P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
20132	Y	MUSC-5B-01		Int W Java Gamelan	2	A	STU	W	11:30A-01:30P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
20133	Y	MUSC-5C-01		Adv W Java Gamelan	2	A	STU	M	07:00P-09:00P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
20134	Y	MUSC-8-01		Gamelan Angklung	2	A	STU	TTh	06:00P-08:00P		Gamelan Stu 230B	Burman-Hall,L.C.	
				<i>See Enrollment Conditions for instructions</i>									
20135	Y	MUSC-9-01		Wind Ensemble	2	A	STU	MW	07:00P-08:30P		Music Center 114	Klevan,R.	
				<i>See Enrollment Conditions for instructions</i>									
20136		MUSC-11-01		Intro Western Music	5	HA	LEC	MWF	11:00A-12:10P		Music Center 101	Treadwell,N.	
20137		MUSC-13-01		Beg Theory & Mus I	5		LEC	MWF	09:30A-10:40A		Music Center 128	Kim,H.K.	R
20138		MUSC-13-01A		Secondary Studio			STS	TTh	09:00A-09:50A		Music Center 130	Staff	
20139		MUSC-13-01B		Secondary Studio			STS	TTh	10:00A-10:50A		Music Center 130	Staff	
20140		MUSC-13-01C		Secondary Studio			STS	TTh	11:00A-11:50A		Music Center 130	Staff	
20141		MUSC-13-01D		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20142		MUSC-13-02		Beg Theory & Mus I	5		LEC	MWF	11:00A-12:10P		Music Center 128	Tchamni,A.	R
20143		MUSC-13-02A		Secondary Studio			STS	TTh	01:00P-01:50P		Music Center 130	Staff	
20144		MUSC-13-02B		Secondary Studio			STS	TTh	02:00P-02:50P		Music Center 130	Staff	
20145		MUSC-13-02C		Secondary Studio			STS	TTh	03:00P-03:50P		Music Center 130	Staff	
20146		MUSC-13-02D		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
20154	Y	MUSC-30A-01		Theor, Lit, Music I	5	LEC	MW MWF		09:30A-10:40A 11:00A-12:10P		Music Center 131 Music Center 130	Nauert,P. Ezerova,M.V.	
				<i>Concurrent enrollment in MUSC 30L 01 is required</i>									
20155	Y	MUSC-30A-02		Theor, Lit, Music I	5	LEC	MW MWF		09:30A-10:40A 12:30P-01:40P		Music Center 131 Music Center 130	Nauert,P. Ezerova,M.V.	
				<i>Concurrent enrollment in MUSC 30L 02 is required</i>									
20157	Y	MUSC-30L-01		Theory,Lit,Music I	2	LAB			**To Be Arranged**		TBA	Nauert,P.	
				<i>Concurrent enrollment in MUSC 30A 01 is required</i>									
20158		MUSC-30L-01A		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20159		MUSC-30L-01B		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20160		MUSC-30L-01C		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20161		MUSC-30L-01D		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20162		MUSC-30L-01E		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20163		MUSC-30L-01F		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20164		MUSC-30L-01G		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20165		MUSC-30L-01H		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20170	Y	MUSC-30L-02		Theory,Lit,Music I	2	LAB			**To Be Arranged**		TBA	Nauert,P.	
				<i>Concurrent enrollment in MUSC 30A 02 is required</i>									
20171		MUSC-30L-02A		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20172		MUSC-30L-02B		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20173		MUSC-30L-02C		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20174		MUSC-30L-02D		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20175		MUSC-30L-02E		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20176		MUSC-30L-02F		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20177		MUSC-30L-02G		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20178		MUSC-30L-02H		Secondary Lab		LBS			**To Be Arranged**		TBA	Staff	
20193	Y	MUSC-51-01		Vocal Repertoire Class	2	A	STU	TTh	02:00P-03:00P		Music Center 131	Staufenbiel,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
20194	Y	MUSC-51-02		Vocal Repertoire Class	2	A	STU	TTh	03:00P-04:00P		Music Center 131	Maginnis,P.	
				<i>See Enrollment Conditions for instructions</i>									
20195	Y	MUSC-60-01		Grp Instru in Piano	2		STU	TTh	08:45A-09:45A		Music Center 134	Arulanantham,E.L.	
20196	Y	MUSC-60-02		Grp Instru in Piano	2		STU	TTh	09:45A-10:45A		Music Center 134	Arulanantham,E.L.	
20197	Y	MUSC-60-03		Grp Instru in Piano	2		STU	TTh	10:45A-11:45A		Music Center 134	Arulanantham,E.L.	
20198	Y	MUSC-60-04		Grp Instru in Piano	2		STU	TTh	11:45A-12:45P		Music Center 134	Arulanantham,E.L.	
		MUSC-61-XXX		Inv Lsson Half Hour	2		STI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-62-XXX		Inv Lesson One Hour	3		STI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-63-XXX		Grp Instrum & Vocal	2		STI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
20260		MUSC-80C-01		Hist Electronic Mus	5	6A	LEC	TTh	10:00A-11:45A		Music Center 101	Bassermann,G.	
23594		MUSC-80E-01		History of Jazz	5	4A	LEC	TTh	12:00P-01:45P		Music Center 101	Hester,K.E.	
20261		MUSC-80H-01		Amer Popular Music	5	4A	LEC	TTh	02:00P-03:45P		Music Center 101	Lieberman,F.	
23595		MUSC-80H-01A		Discussion			DIS	W	07:00P-09:00P		Music Center 131	Staff	
23596		MUSC-80S-01		Women in Music	5	4A	LEC	TTh	12:00P-01:45P		Music Center 131	Miller,L.E.	
				<i>Also offered as WMST 80S</i>									
		MUSC-94-XXX		Group Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-99-XXX		Tutorial	5		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-99F-XXX		Tutorial	2		IND		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
20283		MUSC-100A-01		Theory,Lit,Music II	5		LEC	MWF	09:30A-10:40A		Music Center 130	Carson,B.L.	R
20284		MUSC-100A-01A		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20285		MUSC-100A-01B		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20286		MUSC-100A-01C		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20288		MUSC-100A-02		Theory,Lit,Music II	5		LEC	MWF	11:00A-12:10P		Music Center 138	Cope,D.H.	R
20289		MUSC-100A-02A		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20290		MUSC-100A-02B		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20291		MUSC-100A-02C		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
20293		MUSC-101C-01		Hist West Art Music	5		LEC	MWF	12:30P-01:40P		Music Center 131	Beal,A.C.	R
20294		MUSC-125-01		Adv Elec Sound Synt	5		STU	TTh	02:00P-03:45P		Music Center 191A	Elsea,P.Q.	R
20295		MUSC-130-01		Orchestration	5		LEC	TTh	10:00A-11:45A		Music Center 136	Kim,H.K.	R
20296	Y	MUSC-159A-01		Opera Workshop	2	A	STU	TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
20297	Y	MUSC-159B-01		Opera Workshop	3	A	STU	TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
		MUSC-161-XXX		Inv Lesson One Hour	3		STI		**To Be Arranged**		TBA	Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-162-XXX		Adv Inv Lsson One H	5		STI		**To Be Arranged**		TBA	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
20352	Y	MUSC-164-01		Jazz Ensembles <i>See Enrollment Conditions for instructions</i>	2	STU	W		02:00P-04:30P		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**		TBA	Staff	
20379	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.	
20380		MUSC-167-01		Wksp Electron Music	2	STU			**To Be Arranged**		TBA	Elsea,P.Q.	R
20381	Y	MUSC-174A-01		Beg Jazz Improv <i>See Enrollment Conditions for instructions</i>	5	STU	TTh		12:00P-01:45P		Music Center 114	Brooks,G.J.	
		MUSC-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-195A-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-195B-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-196A-XXX		Sen Rec w/o Lessons <i>See sponsoring agency for class number</i>	5	STI			**To Be Arranged**		TBA	Staff	
		MUSC-196B-XXX		Sen Rec w/Lessons <i>See sponsoring agency for class number</i>	5	STI			**To Be Arranged**		TBA	Staff	
		MUSC-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	
20469		MUSC-200-01		Intro Res Methods	5	SEM	M		04:00P-07:00P		Music Center 136	Beal,A.C.	
		MUSC-261-XXX		Grad Applied Instru <i>See sponsoring agency for class number</i>	3	STI			**To Be Arranged**		TBA	Staff	
		MUSC-265-XXX		Grad Ensem Particip <i>See sponsoring agency for class number</i>	2	STI			**To Be Arranged**		TBA	Staff	
		MUSC-295-XXX		Directed Reading <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		MUSC-298-XXX		Graduate Recital <i>See sponsoring agency for class number</i>	5	STI			**To Be Arranged**		TBA	Staff	
		MUSC-299-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	

OCEAN SCIENCES

20739		OCEA-1-01		The Oceans <i>Enroll in lecture and associated discussion section</i>	5	NQ LEC	MWF		02:00P-03:10P		Classroom 001	Vopari,I.	
20740		OCEA-1-01A		Discussion		DIS	M		09:00A-10:10A		Earth&Marine D266	Staff	
20741		OCEA-1-01B		Discussion		DIS	M		10:30A-11:40A		Earth&Marine D266	Staff	
20742		OCEA-1-01C		Discussion		DIS	M		12:00P-01:10P		Earth&Marine D266	Staff	
20743		OCEA-1-01D		Discussion		DIS	M		03:30P-04:40P		Earth&Marine D266	Staff	
20744		OCEA-1-01E		Discussion		DIS	M		05:00P-06:10P		Earth&Marine D266	Staff	
20745		OCEA-1-01F		Discussion		DIS	M		06:30P-07:40P		Earth&Marine D266	Staff	
20746		OCEA-1-01G		Discussion		DIS	T		09:00A-10:10A		Earth&Marine D266	Staff	
20747		OCEA-1-01H		Discussion		DIS	T		10:30A-11:40A		Earth&Marine D266	Staff	
20748		OCEA-1-01I		Discussion		DIS	T		12:00P-01:10P		Earth&Marine D266	Staff	
20749		OCEA-80A-01		Life in the Sea <i>Enroll in lecture and associated discussion section</i>	5	2 LEC	MWF		12:30P-01:40P		Earth&Marine B206	Staff	
20750		OCEA-80A-01A		Discussion		DIS	T		03:00P-04:15P		Earth&Marine D266	Staff	
20751		OCEA-80A-01B		Discussion		DIS	T		04:40P-05:55P		Earth&Marine D266	Staff	
20752		OCEA-80A-01C		Discussion		DIS	T		06:20P-07:35P		Earth&Marine D266	Staff	
20753		OCEA-80A-01D		Discussion		DIS	W		09:00A-10:15A		Earth&Marine D266	Staff	
20754		OCEA-80A-01E		Discussion		DIS	W		10:40A-11:55A		Earth&Marine D266	Staff	
20755		OCEA-80A-01F		Discussion		DIS	W		05:20P-06:35P		Earth&Marine D266	Staff	
20756		OCEA-80A-01G		Discussion		DIS	W		07:00P-08:15P		Earth&Marine D266	Staff	
20757		OCEA-80A-01H		Discussion		DIS	Th		09:00A-10:15A		Earth&Marine D266	Staff	
20758		OCEA-80A-01I		Discussion		DIS	Th		10:40A-11:55A		Earth&Marine D266	Staff	
20759		OCEA-80A-01J		Discussion		DIS	Th		12:20P-01:35P		Earth&Marine D266	Staff	
20760		OCEA-80A-01K		Discussion		DIS	Th		04:30P-05:45P		Earth&Marine D266	Staff	
20761		OCEA-80A-01L		Discussion		DIS	Th		06:10P-07:25P		Earth&Marine D266	Staff	
20764		OCEA-200-01		Physcl Oceanography	5	LEC	TTh		02:00P-03:45P		Thimann Lab 101	Edwards,C.A.	
20765		OCEA-280-01		Marine Geology <i>Taught in conjunction with EART 102</i>	5	LEC	TTh		10:00A-11:45A		Earth&Marine D226	Ravelo,A.C.	R
20766		OCEA-280-01A		Discussion		DIS	T		12:00P-01:45P		TBA	Staff	
20768		OCEA-292-01		Seminar	0	SEM	W		03:30P-05:00P		Earth&Marine A340	Staff	
20769		OCEA-296-01		Teaching Ocean Sci	2	LEC	F		11:00A-12:10P		Earth&Marine D266	Staff	R
		OCEA-297A-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
OCEA-297B-XXX				Independent Study <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**		TBA	Staff	
OCEA-297C-XXX				Independent Study <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**		TBA	Staff	
OCEA-299A-XXX				Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
OCEA-299B-XXX				Thesis Research <i>See sponsoring agency for class number</i>	10	IND			**To Be Arranged**		TBA	Staff	
OCEA-299C-XXX				Thesis Research <i>See sponsoring agency for class number</i>	15	IND			**To Be Arranged**		TBA	Staff	

PHILOSOPHY

20905	PHIL-11-01	Intro to Philosophy	5	H	LEC	TTh		10:00A-11:45A		Classroom 001	Neu,J.		
20906	PHIL-11-01A	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20907	PHIL-11-01B	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20908	PHIL-11-01C	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20909	PHIL-11-01D	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20910	PHIL-11-01E	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20911	PHIL-11-01F	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20912	PHIL-11-01G	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20913	PHIL-11-01H	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24104	PHIL-80G-01	Bioethics 21st Cent	5	2	LEC	TTh		04:00P-05:45P		Classroom 001	Suckiel,E.G. Deamer,D.		
<i>Also offered as CHEM 80G and BME 80G</i>													
24111	PHIL-80G-01A	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24112	PHIL-80G-01B	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24113	PHIL-80G-01C	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24114	PHIL-80G-01D	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24188	PHIL-80G-01E	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24189	PHIL-80G-01F	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24190	PHIL-80G-01G	Discussion			DIS			**To Be Arranged**		TBA	Staff		
24191	PHIL-80G-01H	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20919	PHIL-80S-01	Nature of Science	5	6	LEC	TTh		10:00A-11:45A		Steven Acad 175	Otte,R.E.		
20920	PHIL-80S-01A	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20921	PHIL-80S-01B	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20922	PHIL-80S-01C	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20923	PHIL-80S-01D	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20924	PHIL-91-01	Ancient Greek Phil	5		LEC	MW		05:00P-06:45P		Steven Acad 150	Doris,J.M.		
20925	PHIL-91-01A	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20926	PHIL-91-01B	Discussion			DIS			**To Be Arranged**		TBA	Staff		
23597	PHIL-91-01C	Discussion			DIS			**To Be Arranged**		TBA	Staff		
23598	PHIL-91-01D	Discussion			DIS			**To Be Arranged**		TBA	Staff		
	PHIL-99-XXX	Tutorial	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
23599	PHIL-106-01	Kant	5		LEC	TTh		02:00P-03:45P		Eight Acad 252	Guevara,D.E.	R	
20945	PHIL-121-01	Knowledge&Rationlty	5		LEC	TTh		04:00P-05:45P		Porter Acad 144	Doris,J.M.		
20946	PHIL-121-01A	Discussion			DIS			**To Be Arranged**		TBA	Staff		
20947	PHIL-121-01B	Discussion			DIS			**To Be Arranged**		TBA	Staff		
23600	PHIL-133-01	Philosophy of Mind	5		LEC	TTh		12:00P-01:45P		Cowell Acad 113	Hom,C.K.	R	
20952	PHIL-145-01	Brave New World	5		LEC	TTh		12:00P-01:45P		Cowell Com 134	Suckiel,E.G.	R	
<i>Taught in conjunction with PHIL 245</i>													
20954	PHIL-171-01	Faith and Reason	5		LEC	TTh		02:00P-03:45P		Cowell Com 134	Otte,R.E.	R	
24510	PHIL-180H-01	Philos Colloquia	2		LEC			**To Be Arranged**		TBA	Staff	R	
	PHIL-195A-XXX	Senior Essay	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
	PHIL-195B-XXX	Senior Essay	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
	PHIL-199-XXX	Tutorial	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
21047	PHIL-201-01	First Qrtr Seminar	5		SEM	W		01:00P-04:00P		Steven Acad 230	Guevara,D.E.	R	
24118	PHIL-236-01	On Insults	5		SEM	T		03:00P-06:00P		Steven Acad 230	Neu,J.	R	
<i>Also offered as ANTH 236</i>													
21049	PHIL-245-01	Brave New World	5		SEM	TTh		12:00P-01:45P		Cowell Com 134	Suckiel,E.G.	R	
<i>Taught in conjunction with PHIL 145</i>													
	PHIL-294-XXX	Teach Related Ind	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
	PHIL-295-XXX	Directed Reading	5		IND			**To Be Arranged**		TBA	Staff		
<i>See sponsoring agency for class number</i>													
	PHIL-296-XXX	Student Seminar	5		IND			**To Be Arranged**		TBA	Staff		
	PHIL-297-XXX	Independent Study	5		IND			**To Be Arranged**		TBA	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
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PHYSICAL EDUCATION

21134	Y	PHYE-5A-01		Swim Level I (non-swim)	0	STU	TTh		01:00P-02:00P		50 Mtr Pool	Kimball,J.H.	
21135	Y	PHYE-5A-02		Swimming Level I	0	STU	MW		10:00A-11:00A		50 Mtr Pool	Kimball,J.H.	
21136	Y	PHYE-5B-01		Swimming Level II	0	STU	MW		09:00A-10:00A		50 Mtr Pool	Kimball,J.H.	R
21137	Y	PHYE-5C-01		Swimming level III	0	STU	MW		10:00A-11:00A		50 Mtr Pool	Staff	R
21138	Y	PHYE-5E-01		Lifeguard Training	0	STU	TTh		09:30A-12:00P		50 Mtr Pool	Musch,K.I.	R
21139	Y	PHYE-5G-01		Swim Conditioning	0	STU	MW		11:00A-12:00P		50 Mtr Pool	Musch,K.I.	
21140	Y	PHYE-5G-02		Swim Conditioning	0	STU	MW		09:00A-10:00A		50 Mtr Pool	Staff	
21141	Y	PHYE-5R-01		Basic Scuba Diving	0	STU	T		07:00P-09:30P		Cowell Clrm 131	Shin,C.J.	R
							W		09:30A-12:00P		50 Mtr Pool		
									To Be Arranged		Ocean		
				<i>Class meeting for 5R is in Cowell 131; if pool lab meets first, go to the lab of your choice</i>									
21142	Y	PHYE-5R-02		Basic Scuba Diving	0	STU	T		07:00P-09:30P		TBA	Shin,C.J.	R
							Th		04:30P-07:00P		50 Mtr Pool		
									To Be Arranged		Ocean		
				<i>Class meeting for 5R is in Cowell 131; if pool lab meets first, go to the lab of your choice</i>									
21143	Y	PHYE-5T-01		Advanced Scuba Diving	0	STU	F		04:00P-08:00P		50 Mtr Pool	Shin,C.J.	R
				<i>First two weeks only; remainder of class TBA (Ocean, weekends)</i>									
21144	Y	PHYE-5U-01		Scuba Instruction	0	STU	Su		07:00P-09:00P		Martial Arts	Shin,C.J.	R
				<i>First meeting only; remainder of class TBA (50M Pool, Ocean)</i>									
21145	Y	PHYE-5U-01E		Scuba Rescue Diving	0	STU	T		04:00P-06:00P		OPERS Conf 211E	Shin,C.J.	R
21146	Y	PHYE-5U-01N		Scuba Divemaster	0	STU	W		04:00P-06:00P		OPERS Conf 211E	Shin,C.J.	R
21147		PHYE-9B-01		Basic Sailing-Dinghy	0	STU	M		12:30P-03:00P		Harbor	Vandenberg,P.C.	R
				<i>First class meeting at East Field House main entrance to Administration Building; all participants must be able to swim.</i>									
				<i>Please show up at the first class even if online enrollment shows class is full.</i>									
21148		PHYE-9B-02		Basic Sailing-Dinghy	0	STU	T		09:30A-12:00P		Harbor	Vandenberg,P.C.	R
21149		PHYE-9B-03		Basic Sailing-Dinghy	0	STU	W		09:30A-12:00P		Harbor	Vandenberg,P.C.	R
21150		PHYE-9B-04		Basic Sailing-Dinghy	0	STU	Th		09:30A-12:00P		Harbor	Vandenberg,P.C.	R
21151		PHYE-9B-05		Basic Sailing-Dinghy	0	STU	F		09:30A-12:00P		Harbor	Kingon,R.L.	R
21152		PHYE-9B-06		Basic Sailing-Dinghy	0	STU	F		12:30P-03:00P		Harbor	Kingon,R.L.	R
21153		PHYE-9C-01		Inter Sail Dinghy	0	STU	T		01:00P-03:30P		Harbor	Kingon,R.L.	R
				<i>First class meeting at East Field House main entrance to Administration Building; all participants must be able to swim.</i>									
				<i>Please show up at the first class even if online enrollment shows class is full.</i>									
21154		PHYE-9C-02		Inter Sail Dinghy	0	STU	W		12:30P-03:00P		Harbor	Kingon,R.L.	R
21155		PHYE-9C-03		Inter Sail Keel	0	STU	T		12:30P-03:00P		Harbor	Vandenberg,P.C.	R
21156		PHYE-9E-01		Competitive Sailing	0	STU	WF		03:00P-04:30P		Harbor	Vandenberg,P.C.	R
				<i>First meeting of 9E at UCSC Marina, Santa Cruz Small Craft Harbor</i>									
21157		PHYE-9H-01		Intermediate Rowing	0	STU	MW		08:20A-10:00A		Harbor	Kingon,R.L.	R
				<i>All 9H and 9J sections meet for 6 weeks only; first class meeting at East Field House main entrance to Administration Building; all Rowing participants must be able to swim. Please show up at the first class even if online enrollment shows class is full.</i>									
21158		PHYE-9J-01		Basic Rowing	0	STU	MW		10:00A-11:40A		Harbor	Kingon,R.L.	R
				<i>All 9H and 9J sections meet for 6 weeks only; first class meeting at East Field House main entrance to Administration Building; all Rowing participants must be able to swim. Please show up at the first class even if online enrollment shows class is full.</i>									
21159		PHYE-9J-02		Basic Rowing	0	STU	TTh		07:40A-09:20A		Harbor	Kingon,R.L.	R
21160		PHYE-9J-03		Basic Rowing	0	STU	TTh		09:20A-11:00A		Harbor	Kingon,R.L.	R
21161		PHYE-9J-04		Basic Rowing	0	STU	TTh		11:00A-12:40P		Harbor	Kingon,R.L.	R
21162		PHYE-15B-01		Beginning Basketball	0	STU	MW		12:30P-01:30P		West Gym	Staff	
21163		PHYE-15B-02		Basketball Conditioning	0	STU			**To Be Arranged**		West Gym	Staff	
21164		PHYE-15H-01		Racquetball	0	STU	Th		06:00P-08:00P		E Racquet Ct	George,C.C.	
21165		PHYE-15N-01		Beginning Tennis	0	STU	MW		09:00A-10:00A		E Tennis Ct	Muldawer,D.A.	
21166		PHYE-15N-02		Beginning Tennis	0	STU	TTh		10:00A-11:00A		E Tennis Ct	Muldawer,D.A.	
21167		PHYE-15N-04		Intermediate Tennis	0	STU	MW		10:00A-11:00A		E Tennis Ct	Muldawer,D.A.	
21168		PHYE-15N-04B		Intermediate Tennis	0	STU	TTh		09:00A-10:00A		E Tennis Ct	Muldawer,D.A.	
21169	Y	PHYE-15N-05		Advanced Tennis	0	STU	MW		11:00A-12:00P		E Tennis Ct	Muldawer,D.A.	
21170	Y	PHYE-15N-06		Competitive Tennis-Wo	0	STU			**To Be Arranged**		E Tennis Ct	Muldawer,D.A.	
21171		PHYE-15T-02		Int/Adv Volleyball	0	STU	TTh		12:30P-02:00P		West Gym	Staff	
21172		PHYE-20A-01		Ballet I	0	STU	TTh		10:15A-11:45A		Dance Studio	Cochlin,R.V.	
21173		PHYE-20A-02		Continuing Ballet I	0	STU	MW		09:00A-10:30A		Dance Studio	Bergland,V.M.	
21174		PHYE-20A-03		Ballet II	0	STU	MW		10:30A-12:00P		Dance Studio	Norris,L.K.	
21175		PHYE-20A-04		Ballet III	0	STU	TTh		01:00P-02:30P		Dance Studio	Norris,L.K.	
21176		PHYE-20B-01		Intl Folk Dance	0	STU	TTh		12:00P-01:00P		Dance Studio	Cochlin,R.V.	
21177		PHYE-20C-01		Jazz Dance I	0	STU	TTh		06:00P-07:30P		Dance Studio	Buck,R.F.	
21178		PHYE-20C-02		Jazz Dance I	0	STU	TTh		02:30P-04:00P		Dance Studio	Norris,L.K.	
21179		PHYE-20C-03		Jazz Dance II	0	STU	MW		12:30P-02:00P		Dance Studio	Norris,L.K.	
21180		PHYE-20C-04		Jazz Dance III	0	STU	F		11:45A-01:45P		Dance Studio	Norris,L.K.	
21181		PHYE-20D-01		Modern Dance I	0	STU	TTh		04:15P-05:45P		Dance Studio	Buck,R.F.	
21182		PHYE-20D-02		Modern Dance I	0	STU	MW		02:00P-03:30P		Dance Studio	Cochlin,R.V.	
21183		PHYE-20D-03		Modern Dance II	0	STU	MW		03:30P-05:00P		Dance Studio	Buck,R.F.	
21184		PHYE-20D-04		Modern Dance III	0	STU	TTh		08:45A-10:15A		Dance Studio	Cochlin,R.V.	
21185	Y	PHYE-20F-01		Indiv Study Dance	0	STU			**To Be Arranged**		TBA	Cochlin,R.V.	

See Theater Arts for additional Dance courses

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21186		PHYE-25A-01		Fencing: Epee	0	STU	TTh		10:00A-11:00A		East Gym	Blackburn,C.A.	
21187		PHYE-25B-01		Fencing: Foil	0	STU	MW		02:00P-03:00P		East Gym	Blackburn,C.A.	
21188		PHYE-25C-01		Fencing: Sabre	0	STU	TTh		02:00P-03:00P		East Gym	Blackburn,C.A.	
21189		PHYE-28J-01		Rugby Football	0	STU	TTh		01:00P-02:30P		East Remote Field	Staff	
				Women's Self Defense	0	STU	M		02:45P-04:45P		Martial Arts	Boretz, J.	
				Women's Self Defense	0	STU	F		09:45A-11:45A		Martial Arts	Boretz, J.	
21190		PHYE-28K-01		Beg/Int Soccer	0	STU	TTh		04:00P-05:30P		East Remote Field	Holocher,P.A.	
21191		PHYE-30G-01		Cardio Boxing	0	STU	MW		09:00A-10:15A		OPERS Multi Purpose	Staff	
21192		PHYE-30G-02		Aerobics	0	STU	MW		01:30P-02:45P		OPERS Multi Purpose	Chinn,T.D.	
21193		PHYE-30G-03		Cardio Boxing	0	STU	TTh		09:00A-10:15A		OPERS Multi Purpose	Staff	
21194		PHYE-30G-04		Stretch & Strengthen	0	STU	MW		12:15P-01:15P		OPERS Multi Purpose	Chinn,T.D.	
21195		PHYE-30H-01		Tai Chi Chuan	0	STU	TTh		03:10P-04:40P		OPERS Multi Purpose	Blackburn,C.A.	
21196		PHYE-30H-02		Tai Chi Chuan	0	STU	MW		03:10P-04:40P		OPERS Multi Purpose	Blackburn,C.A.	
21197		PHYE-30J-01		Beg Weight Train-Wmn	0	STU	MW		01:00P-02:00P		Fitness/Wellness	Mori,C.A.	
21198		PHYE-30J-02		Begin Weight Training	0	STU	TTh		11:00A-12:00P		Fitness/Wellness	Mori,C.A.	
21199		PHYE-30J-03		Begin Weight Training	0	STU	MW		02:00P-03:00P		Fitness/Wellness	Andrews,R.	
21200		PHYE-30J-04		Begin Weight Training	0	STU	MW		09:30A-10:30A		Fitness/Wellness	Lewis,D.R.	
21201		PHYE-30J-05		Inter Weight Train-Wmn	0	STU	MW		03:00P-04:00P		Fitness/Wellness	Chinn,T.D.	
24245		PHYE-30J-06		Inter Weight Training	0	STU	TTh		10:00A-11:00A		Fitness/Wellness	Lewis,D.R.	
21202		PHYE-30J-07		Athletic Conditioning	0	STU	TTh		01:00P-02:00P		Fitness/Wellness	Andrews,R.	
21203		PHYE-30J-08		Weight Training-Cardio	0	STU	MW		10:30A-12:00P		Fitness/Wellness	Mori,C.A.	
21204		PHYE-30L-01		Beginning Yoga	0	STU	WF		10:00A-11:30A		PE Activity Rm	Cochlin,R.V.	
21205		PHYE-30L-03		Beginning Yoga	0	STU	MW		11:30A-01:00P		Martial Arts	Kimball,J.H.	
21206		PHYE-30L-04		Beginning Yoga	0	STU	TTh		10:15A-11:45A		Martial Arts	Kimball,J.H.	
21207		PHYE-30L-05		Cont Beginning Yoga	0	STU	MW		01:00P-02:30P		Martial Arts	Kimball,J.H.	
21208		PHYE-30L-06		Cont Beginning Yoga	0	STU	TTh		08:30A-10:00A		Martial Arts	Kimball,J.H.	
21209		PHYE-43A-01		Beginning Aikido	0	STU	MW		08:30A-10:00A		Martial Arts	Shibata,Y.	
21210		PHYE-43A-02		Beg/Inter Aikido	0	STU	TTh		01:15P-02:45P		Martial Arts	Shibata,Y.	
21211		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>									
21212		PHYE-43A-04		Int/Adv Aikido	0	STU	MW		10:15A-11:15A		Martial Arts	Shibata,Y.	
				<i>Sections 43A 03-04 are for students who have had some Aikido training.</i>									
21213		PHYE-43G-01		Begin Tae Kwon Do	0	STU	MW		11:00A-12:30P		West Gym	Song,S.	
21214		PHYE-43G-02		Int/Adv Tae Kwon Do	0	STU	MW		09:30A-11:00A		West Gym	Song,S.	
									09:30A-11:00A		West Gym	Song,S.	

PHYSICS

21215	PHYS-5A-01	Intro Physics I	5	NQ LEC	MWF	03:30P-04:40P	Thim Lecture 003	Smith,D.M.	R	
		<i>Concurrent enrollment in PHYS 5L is required</i>								
21216	PHYS-5A-01A	Discussion		DIS	T	04:00P-05:30P	ISB 235	Staff		
21217	PHYS-5A-01B	Discussion		DIS	W	05:00P-06:30P	ISB 235	Staff		
21218	PHYS-5D-01	Heat,Thermo&Kinetic	2	LEC	T	02:00P-03:45P	Thim Lecture 001	Heusch,C.A.	R	
21219	PHYS-5L-01	Intro Phys I Lab	1	LAB	M	11:00A-02:00P	Thimann Lab 127	Staff		
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21220	PHYS-5L-02	Intro Phys I Lab	1	LAB	M	07:00P-10:00P	Thimann Lab 127	Staff	R	
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21221	PHYS-5L-03	Intro Phys I Lab	1	LAB	T	10:00A-01:00P	Thimann Lab 127	Staff	R	
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21222	PHYS-5L-04	Intro Phys I Lab	1	LAB	T	07:00P-10:00P	Thimann Lab 127	Staff	R	
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21223	PHYS-5L-05	Intro Phys I Lab	1	LAB	W	07:00P-10:00P	Thimann Lab 127	Staff	R	
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21224	PHYS-5L-06	Intro Phys I Lab	1	LAB	Th	07:00P-10:00P	Thimann Lab 127	Staff	R	
		<i>Concurrent enrollment in PHYS 5A is required</i>								
21227	PHYS-6A-01	Intro Physics I	5	NQ LEC	MWF	02:00P-03:10P	Thim Lecture 003	Kuttner,F.H.	R	
		<i>Concurrent enrollment in PHYS 6L is required</i>								
21228	PHYS-6A-01A	Discussion		DIS	M	05:00P-06:30P	ISB 235	Staff		
21229	PHYS-6A-01B	Discussion		DIS	W	03:30P-05:00P	ISB 231	Staff		
23602	PHYS-6A-02	Intro Physics I	5	NQ LEC	MWF	08:00A-09:10A	Thim Lecture 003	Dorfan,D.E.	R	
		<i>Concurrent enrollment in PHYS 6L is required</i>								
23603	PHYS-6A-02A	Discussion		DIS	T	06:00P-07:30P	ISB 235	Staff		
23604	PHYS-6A-02B	Discussion		DIS	W	05:00P-06:30P	ISB 231	Staff		
21234	PHYS-6C-01	Intro Phys III	5	NQ LEC	MWF	09:30A-10:40A	Thim Lecture 001	Bridges,F.G.	R	
		<i>Concurrent enrollment in PHYS 6N is required</i>								
21235	PHYS-6C-01A	Discussion		DIS	M	07:00P-08:30P	ISB 235	Staff		
21236	PHYS-6C-01B	Discussion		DIS	Th	06:00P-07:30P	ISB 235	Staff		
21237	PHYS-6L-01	Intro Phys I Lab	1	LAB	M	10:00A-01:00P	Thimann Lab 115	Staff	R	
		<i>Concurrent enrollment in PHYS 6A is required</i>								
21238	PHYS-6L-02	Intro Phys I Lab	1	LAB	M	03:30P-06:30P	Thimann Lab 115	Staff	R	
		<i>Concurrent enrollment in PHYS 6A 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
21239		PHYS-6L-03		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	M		07:00P-10:00P		Thimann Lab 115	Staff	R
21240		PHYS-6L-04		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	T		08:30A-11:30A		Thimann Lab 115	Staff	R
21241		PHYS-6L-05		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	T		12:00P-03:00P		Thimann Lab 115	Staff	R
21242		PHYS-6L-06		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	T		03:30P-06:30P		Thimann Lab 115	Staff	R
21243		PHYS-6L-07		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	T		07:00P-10:00P		Thimann Lab 115	Staff	R
21244		PHYS-6L-08		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	W		10:00A-01:00P		Thimann Lab 115	Staff	R
21245		PHYS-6L-09		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	W		07:00P-10:00P		Thimann Lab 115	Staff	R
21246		PHYS-6L-10		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	Th		08:30A-11:30A		Thimann Lab 115	Staff	R
21247		PHYS-6L-11		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	Th		12:00P-03:00P		Thimann Lab 115	Staff	R
23607		PHYS-6L-12		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	Th		03:30P-06:30P		Thimann Lab 115	Staff	R
21248		PHYS-6L-13		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	Th		07:00P-10:00P		Thimann Lab 115	Staff	R
21249		PHYS-6L-14		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	F		09:30A-12:30P		Thimann Lab 115	Staff	R
21251		PHYS-6N-01		Intro Phys III Lab <i>Concurrent enrollment in PHYS 6C is required.</i>	1	LAB	M		01:00P-04:00P		Thimann Lab 121	Staff	R
21252		PHYS-6N-02		Intro Phys III Lab <i>Concurrent enrollment in PHYS 6C is required.</i>	1	LAB	T		07:00P-10:00P		Thimann Lab 121	Staff	R
21253		PHYS-6N-03		Intro Phys III Lab <i>Concurrent enrollment in PHYS 6C is required.</i>	1	LAB	W		02:00P-05:00P		Thimann Lab 121	Staff	R
21254		PHYS-6N-04		Intro Phys III Lab <i>Concurrent enrollment in PHYS 6C is required.</i>	1	LAB	W		07:00P-10:00P		Thimann Lab 121	Staff	R
21255		PHYS-10-01		Overview of Physics	2	LEC	T		04:00P-05:45P		Thim Lecture 001	Primack,J.R.	
21261		PHYS-101A-01		Intro Modern Phys I	5	LEC	MWF		09:30A-10:40A		N. Sci Annex 101	Schlesinger,Z.	R
21262		PHYS-101A-01A		Discussion		DIS	T		06:00P-07:30P		ISB 231	Staff	
21263		PHYS-105-01		Mechanics	5	LEC	TTh		12:00P-01:45P		Earth&Marine B210	Dine,M.	R
21264		PHYS-105-01A		Discussion		DIS	W		07:00P-08:30P		ISB 231	Staff	
21265		PHYS-114B-01		Math Method Physics	5	LEC	MWF		11:00A-12:10P		Earth&Marine B214	Young,A.P.	R
21266		PHYS-114B-01A		Discussion		DIS	Th		06:00P-07:30P		ISB 231	Staff	
21267		PHYS-134-01		Physics Adv Lab <i>Enroll in lab and associated secondary lab</i>	5	LAB			**To Be Arranged**		Nat Sci 2 110	Carter,S.A.	
23608		PHYS-134-01A		Discussion		DIS	MW		01:00P-05:00P		Nat Sci 2 110	Staff	
23609		PHYS-134-01B		Discussion		DIS	TTh		01:00P-05:00P		Nat Sci 2 110	Staff	
24159		PHYS-135A-01		Astrophys Adv Lab <i>Some evenings required for night-time observing; also offered as ASTR 135A</i>	3	LAB	MTThF		12:00P-04:00P		Nat Sci 2 110	Dewey,R.J.	
21269		PHYS-139B-01		Quantum Mechanics	5	LEC	MWF		12:30P-01:40P		ISB 231	Schlesinger,Z.	R
21270		PHYS-171-01		Genl Relativity	5	LEC	TTh		02:00P-03:45P		N. Sci Annex 102	Aguirre,A.N.	R
21271		PHYS-195A-01		Sr Thesis Research	3	SEM	T		10:00A-11:45A		ISB 235	Heusch,C.A.	
21344		PHYS-210-01		Classical Mechanics	5	LEC	MWF		09:30A-10:40A		ISB 231	Belanger,D.P.	R
21345		PHYS-212-01		Electromagnetism I	5	LEC	MWF		12:30P-01:40P		ISB 235	Brown,G.S.	R
21346		PHYS-217-01		Quant Fld Theory I	5	LEC	TTh		02:00P-03:45P		ISB 231	Haber,H.E.	R
21347		PHYS-221A-01		Int Particle Phys I	5	LEC	MWF		02:00P-03:10P		J Baskin Engr 169	Schumm,B.A.	R
21348		PHYS-231-01		Intro Condes Matter	5	LEC	TTh		10:00A-11:45A		ISB 231	Shastry,B.S.	R
21349		PHYS-291A-01		Cosmology	2	SEM	T		12:00P-01:00P		ISB 235	Primack,J.R.	R
21350		PHYS-291C-01		Particle Physics	2	SEM	W		12:15P-01:15P		TBA	Dine,M.	R
21351		PHYS-292-01		Seminar	0	SEM	Th		04:00P-05:45P		Thim Lecture 001	Dorfan,D.E.	R

POLITICS

23610		POLI-4-01		Citizenship & Action	5	S	LEC	TTh	06:00P-07:45P		Earth&Marine B206	Mathiowetz,D.P.	
23611		POLI-4-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23612		POLI-4-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23613		POLI-4-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23614		POLI-4-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23615		POLI-4-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23616		POLI-4-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23617		POLI-4-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23618		POLI-4-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24089		POLI-25-01		Amer Social Policy <i>Enroll in lecture and associated discussion section</i>	5	S	LEC	MWF	11:00A-12:10P		Kresge Clrm 327	Bertram,E.C.	
24090		POLI-25-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24091		POLI-25-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24092		POLI-25-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21546		POLI-100-01		Core Seminar Polit	5	W	SEM	MWF	09:30A-10:40A		Merrill Acad 003	Larkin,B.D.	R
21547		POLI-100-02		Core Seminar Polit	5	W	SEM	TTh	06:00P-07:45P		Cowell Acad 223	Schoenman,R.	R
23619		POLI-100-03		Core Seminar Polit	5	W	SEM	TTh	04:00P-05:45P		Soc Sci 2 363	Pasotti,E.	R
23620		POLI-105B-01		Mod Politic Thought	5		LEC	TTh	12:00P-01:45P		J Baskin Engr 152	Seth,V.	R
				<i>Enroll in lecture and associated discussion section; also offered as LGST 105B</i>									
23621		POLI-105B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23622		POLI-105B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23623		POLI-105B-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23624		POLI-105B-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24093		POLI-109-01		Orientalism	5		LEC	TTh	10:00A-11:45A		Engineer 2 194	Thomas,M.C.	R
21554		POLI-112-01		Women and the Law	5		LEC	TTh	10:00A-11:45A		Merrill Acad 102	Dent,G.	R
				<i>Also offered as WMST 112; mandatory sections assigned during first week of class</i>									
23629		POLI-112-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23630		POLI-112-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23631		POLI-112-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23632		POLI-112-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23633		POLI-112-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23634		POLI-112-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23635		POLI-120A-01		Congress/Pres&Court	5		LEC	MWF	09:30A-10:40A		Kresge Clrm 321	Wirls,D.J.	R
				<i>Enroll in lecture and associated discussion section; also offered as LGST 120A</i>									
23636		POLI-120A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23637		POLI-120A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23638		POLI-120A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23639		POLI-120A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24073		POLI-120A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24074		POLI-120A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23640		POLI-140B-01		Compar Post-Communi	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 075	Urban,M.E.	
				<i>Enroll in lecture and associated discussion section</i>									
23641		POLI-140B-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23642		POLI-140B-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21564		POLI-160A-01		Internatl Politics	5		LEC	MW	05:00P-06:45P		Thim Lecture 003	Lipschutz,R.D.	R
				<i>Enroll in lecture and associated discussion section</i>									
21565		POLI-160A-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21566		POLI-160A-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21567		POLI-160A-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21568		POLI-160A-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21569		POLI-160A-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21570		POLI-160A-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21571		POLI-160A-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21572		POLI-176-01		Intl Political Econ	5		LEC	TTh	04:00P-05:45P		Cowell Clrm 131	Schoenman,R.	R
23646		POLI-190H-01		Substance of Dmcrcty	5		SEM	TTh	06:00P-07:45P		Merrill Acad 002	Pasotti,E.	R
24541		POLI-190L-01		Welfare Policy/Polit	5		SEM	MW	05:00P-06:45P		Crown Clrm 201	Bertram,E.C.	R
21576		POLI-190N-01		Congress: Rep & Leg	5		SEM	MWF	02:00P-03:10P		Merrill Acad 003	Wirls,D.J.	R
23647		POLI-200B-01		Soc Forces/Pol Chng	5		SEM	T	06:00P-09:30P		Steven Acad 213	Alvarez,S.E.	R
23648		POLI-271-01		Transnationalism	5		SEM	W	05:00P-08:30P		Porter Acad 246	Clear,A.M.	R

PORTUGUESE

21751		PORT-1A-01		Elementry Portuguese	5		LEC	MWF	12:30P-01:40P		N. Sci Annex 103	Seara,A.M.	
21752		PORT-60A-01		Beg-Intr Portuguese	5		LEC	MWF	02:00P-03:10P		N. Sci Annex 103	Seara,A.M.	R
21753		PORT-65B-01		Intermed Portuguese	5	H	LEC	MWF	03:30P-04:40P		Thimann Lab 101	Seara,A.M.	R

PSYCHOLOGY

21809		PSYC-1-01		Intro Psychology	5	S	LEC	TTh	10:00A-11:45A		Classroom 002	Bullock,H.E.	
				<i>Enroll in lecture and associated discussion section</i>									
21810		PSYC-1-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21811		PSYC-1-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21812		PSYC-1-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21813		PSYC-1-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21814		PSYC-1-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21815		PSYC-1-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21816		PSYC-1-01G		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21817		PSYC-1-01H		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21818		PSYC-1-01I		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21819		PSYC-1-01J		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21820		PSYC-1-01K		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21821		PSYC-1-01L		Discussion			DIS		**To Be Arranged**		TBA	Staff	
21822		PSYC-1-01M		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23663		PSYC-2-01		Intro Psyc Stats	5	Q	LEC	MWF	11:00A-12:10P		Merrill Acad 102	Mather,M.	R
				<i>Enroll in lecture and associated discussion section</i>									
23664		PSYC-2-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23665		PSYC-2-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23666		PSYC-2-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23667		PSYC-2-01D		Discussion					**To Be Arranged**		TBA	Staff	
21824		PSYC-3-01		Research Methods	7	DIS	LEC	MWF	02:00P-03:10P		Oakes Acad 105	Crosby,F.J.	R
				<i>Enroll in lecture and associated discussion section</i>									
21825		PSYC-3-01A		Discussion		DIS	M		04:00P-06:00P		Soc Sci 2 104	Staff	
21826		PSYC-3-01B		Discussion		DIS	M		06:00P-08:00P		Soc Sci 2 104	Staff	
21827		PSYC-3-01C		Discussion		DIS	T		08:00A-10:00A		Soc Sci 2 104	Staff	
21828		PSYC-3-01D		Discussion		DIS	T		10:00A-12:00P		Soc Sci 2 104	Staff	
21829		PSYC-3-01E		Discussion		DIS	T		12:00P-02:00P		Soc Sci 2 104	Staff	
21830		PSYC-3-01F		Discussion		DIS	T		02:00P-04:00P		Soc Sci 2 104	Staff	
21831		PSYC-3-01G		Discussion		DIS	T		04:00P-06:00P		Soc Sci 2 104	Staff	
21832		PSYC-3-01H		Discussion		DIS	T		06:00P-08:00P		Soc Sci 2 104	Staff	
21833		PSYC-3-01I		Discussion		DIS	W		08:00A-10:00A		Soc Sci 2 104	Staff	
21834		PSYC-3-01J		Discussion		DIS	W		10:00A-12:00P		Soc Sci 2 104	Staff	
24305		PSYC-3-01K		Discussion		DIS	M		08:00P-09:45P		Soc Sci 2 104	Staff	
24306		PSYC-3-01L		Discussion		DIS	T		08:00P-09:45P		Soc Sci 2 104	Staff	
21835		PSYC-10-01		Intro Develop Psych	5	LEC	MWF		12:30P-01:40P		Kresge Clrm 321	Azmitia,M.	R
				<i>Enroll in lecture and associated discussion section</i>									
21836		PSYC-10-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21837		PSYC-10-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21838		PSYC-10-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21839		PSYC-10-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23669		PSYC-20-01		Intr Cognitive Psyc	5	LEC	TTh		12:00P-01:45P		Porter Acad 148	Wilson,M.L.	R
23670		PSYC-20-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23671		PSYC-20-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21840		PSYC-40-01		Intro Social Psych	5	LEC	TTh		08:00A-09:45A		Merrill Acad 102	Pratkanis,A.R.	R
21841		PSYC-40-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21842		PSYC-40-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21843		PSYC-40-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21844		PSYC-40-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21845		PSYC-41-01		Psyc of Women	5	S	LEC	TTh	04:00P-05:45P		Kresge Clrm 321	Tonay,V.K.	
21846		PSYC-41-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21847		PSYC-41-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21848		PSYC-41-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21849		PSYC-41-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21850		PSYC-80A-01		Psych and Religion	5	3	LEC	TTh	02:00P-03:45P		Media Theater M110	Quinn,R.H.	
21851		PSYC-80A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21852		PSYC-80A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21853		PSYC-80A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23677		PSYC-80A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21854		PSYC-80A-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23678		PSYC-80A-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21855		PSYC-80A-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21856		PSYC-80A-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21857		PSYC-80A-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21858		PSYC-80A-01J		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24239		PSYC-100B-01		The World of Babies	5		SEM	TTh	02:00P-03:45P		Kresge Clrm 325	Wang,S.	R
23679		PSYC-102-01		Adolescent Develop	5		LEC	MWF	11:00A-12:10P		Soc Sci 2 075	Azmitia,M.	R
23680		PSYC-102-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23681		PSYC-102-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23682		PSYC-102-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23683		PSYC-102-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23686		PSYC-103-01		Language Developmnt	5		LEC	MWF	12:30P-01:40P		N. Sci Annex 102	Akhtar,N.N.	R
23689		PSYC-109-01		Adult Devel & Aging	5		LEC	TTh	06:00P-07:45P		Porter Acad 144	Dyer,J.R.	R
23690		PSYC-109-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23691		PSYC-109-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21862		PSYC-117-01		Children's Thinking	5		LEC	MWF	02:00P-03:10P		Soc Sci 2 075	Szechter,L.E.	R
21863		PSYC-117-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21864		PSYC-117-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21865		PSYC-124-01		Psych of Reading	5		LEC	TTh	10:00A-11:45A		Cowell Com 134	Kawamoto,A.H.	R
24094		PSYC-130-01		Visual/Spatial Cogn	5		LEC	TTh	02:00P-03:45P		Porter Acad 148	Wilson,M.L.	R
24095		PSYC-130-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24096		PSYC-130-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24512		PSYC-130A-01		Memory Distortion	5		LEC	MW	05:00P-06:45P		Porter Acad 144	Mather,M.	R
24097		PSYC-130B-01		Deceptn/Brain/Behav	5		LEC	TTh	04:00P-05:45P		Merrill Acad 102	Seymour,T.L.	R
24098		PSYC-130B-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24099		PSYC-130B-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24100		PSYC-130B-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24101		PSYC-130B-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24280		PSYC-140C-01		Health Psychology	5		LEC	MW	05:00P-06:45P		Merrill Acad 102	Staff	R
23696		PSYC-140M-01		Crime and Media	5		SEM	MW	07:00P-08:45P		Soc Sci 1 161	Haney,C.W.	R
24281		PSYC-140Q-01		Soc Psy/Sex & Gendr	5		LEC	TTh	10:00A-11:45A		Steven Acad 150	Staff	R
24102		PSYC-140R-01		Peace Psychology	5		SEM	TTh	04:00P-05:45P		Eight Acad 242	Byrne,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
21872		PSYC-141-01		Consumer Psychology	5	SEM	TTh		10:00A-11:45A		Merrill Acad 130	Pratkanis,A.R.	R
21879		PSYC-162A-01		Psych of Creativity	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 075	Harrington,D.M.	R
21880		PSYC-162A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21881		PSYC-162A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21882		PSYC-169-01		Community Psyc	5	LEC	TTh		06:00P-07:45P		Kresge Clrm 321	Tonay,V.K.	R
23704		PSYC-169-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23705		PSYC-169-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21883		PSYC-169-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21884		PSYC-169-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21887		PSYC-171-01		Child Psychopathol	5	LEC	TTh		12:00P-01:45P		Porter Acad 144	Saposnek,D.T.	R
21888		PSYC-171-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21889		PSYC-171-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
21890	Y	PSYC-191A-01		Teaching Coll Psyc	5	SEM	F		09:00A-12:00P		Soc Sci 2 104	Bullock,H.E.	
				<i>See Enrollment Conditions for instructions</i>									
21934	Y	PSYC-194A-01		Adv Devel Research	5	LAB			**To Be Arranged**		TBA	Thorne,A.	
				<i>See Enrollment Conditions for instructions</i>									
21935	Y	PSYC-194B-01		Adv Cognitive Res	5	LAB			**To Be Arranged**		TBA	Fox Tree,J.E.	
				<i>See Enrollment Conditions for instructions</i>									
21936	Y	PSYC-194C-01		Adv Social Research	5	LAB			**To Be Arranged**		TBA	Crosby,F.J.	
				<i>See Enrollment Conditions for instructions</i>									
22269		PSYC-204-01		Quant Data Analysis	5	SEM	M		11:00A-02:00P		Soc Sci 2 104	Vevea,J.L.	R
24307		PSYC-211B-01		Proseminar: Society	5	SEM	W		12:30P-03:30P		Soc Sci 2 104	Haney,C.W.	R
23707		PSYC-221-01		Visual Perception	5	SEM	TTh		02:00P-03:45P		TBA	Bridgeman,B.	R
22271		PSYC-224A-01		Prosem: Cogni Psy I	5	SEM	TTh		12:00P-01:45P		TBA	Bridgeman,B.	R
22273		PSYC-230-01		Cogni Psych Seminar	5	SEM	W		03:30P-05:00P		Soc Sci 2 121	Massaro,D.W.	R
22274		PSYC-231-01		Social Psych Sem	5	SEM	F		03:30P-05:00P		Soc Sci 2 121	Crosby,F.J.	R
22275		PSYC-242-01		Dev Psyc Seminar	5	SEM	M		03:30P-05:00P		Soc Sci 2 121	Staff	R
22276		PSYC-244A-01		Prosem I:Lang Devel	5	SEM	TTh		10:00A-11:45A		TBA	Akhtar,N.N.	R
23708		PSYC-246-01		Cultr Diver Hum Dev	5	SEM	W		05:00P-08:00P		Soc Sci 2 104	Gjerde,P.F.	R
23709		PSYC-256-01		Soc Class/Econ Just	5	SEM	Th		04:00P-07:00P		Soc Sci 2 104	Bullock,H.E.	R
22278		PSYC-290B-01		Adv Devel Research	2	SEM	M		09:00A-11:00A		Soc Sci 2 223	Rogoff,B.	R
23710		PSYC-290C-01		Professional Devel	3	SEM	T		04:00P-06:00P		TBA	Thorne,A.	R

RUSSIAN

22497		RUSS-1-01		Instr Russian Lang	5	LEC	MWF		11:00A-12:10P		J Baskin Engr 372	Nickell,W.S.	
22498		RUSS-4-01		Intermed Russian	5	H LEC	MWF		02:00P-03:10P		Porter Acad 249	Nickell,W.S.	R

SCIENCE COMMUNICATION

22533		SCIC-201A-01		Reporting Sci News	5	SEM	TTh		08:00A-09:45A		Kerr Hall 407	Chui,G.G.	R
							TTh		08:00A-09:45A		Kerr Hall 407	Rogers,P.R.	
22534		SCIC-202-01		Writ & Edit Wrkshop	5	SEM	TTh		10:00A-11:45A		Kerr Hall 407	McNicholas,J.R.	R

SOCIAL SCIENCES

22551		SOCS-194A-01		UCDC Intern Seminar	5	FLD			12:00A-12:00A		TBA	Staff	
				<i>This course is scheduled in Washington, D.C.</i>									
22552		SOCS-194B-01		UCDC Intern Seminar	5	FLD			12:00A-12:00A		TBA	Staff	
				<i>This course is scheduled in Washington, D.C.</i>									

SOCIOLOGY

22554		SOCY-1-01		Intro Sociology	5	S LEC	MW		05:00P-06:45P		Media Theater M110	Roby,P.A.	
22555		SOCY-1-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22556		SOCY-1-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22557		SOCY-1-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22558		SOCY-1-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22567		SOCY-15-01		World Society	5	SE LEC	TTh		02:00P-03:45P		Earth&Marine B206	Lubeck,P.M.	
22568		SOCY-15-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22569		SOCY-15-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22570		SOCY-15-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22571		SOCY-15-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22572		SOCY-15-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22573		SOCY-15-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23711		SOCY-15-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23712		SOCY-15-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22574		SOCY-30A-01		Global Info Interns	3	LAB	T		06:00P-07:00P		Soc Sci 1 161	Lubeck,P.M.	
							T		06:30P-09:00P		Soc Sci 1 123	Lubeck,P.M.	
22581		SOCY-103A-01		Statistical Methods	7	Q LEC	TTh		08:00A-09:45A		Media Theater M110	Fukurai,H.	R
				<i>Enroll in lecture and associated discussion section</i>									
22582		SOCY-103A-01A		Secondary Lab		LBS	M		07:00P-09:00P		Soc Sci 1 123	Staff	
22583		SOCY-103A-01B		Secondary Lab		LBS	T		02:00P-04:00P		Soc Sci 1 123	Staff	
22584		SOCY-103A-01C		Secondary Lab		LBS	T		04:00P-06:00P		Soc Sci 1 123	Staff	
22585		SOCY-103A-01D		Secondary Lab		LBS	T		06:00P-08:00P		Ming Ong Comp 108	Staff	
22586		SOCY-103A-01E		Secondary Lab		LBS	W		09:00A-11:00A		Soc Sci 1 123	Staff	
22587		SOCY-103A-01F		Secondary Lab		LBS	W		12:30P-02:30P		Soc Sci 1 123	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22588		SOCY-103A-01G		Secondary Lab		LBS	W		05:00P-07:00P		Soc Sci I 123	Staff	
22589		SOCY-103A-01H		Secondary Lab		LBS	Th		02:00P-04:00P		Soc Sci I 123	Staff	
22590		SOCY-103A-01I		Secondary Lab		LBS	Th		04:00P-06:00P		Soc Sci I 123	Staff	
22591		SOCY-103A-01J		Secondary Lab		LBS	Th		06:00P-08:00P		Ming Ong Comp 108	Staff	
22592		SOCY-103A-01K		Secondary Lab		LBS	M		10:30A-12:30P		Soc Sci I 123	Staff	
22593		SOCY-103A-01L		Secondary Lab		LBS	W		03:00P-05:00P		Soc Sci I 123	Staff	
24513		SOCY-103A-01M		Secondary Lab		LBS	F		10:00A-12:00P		Soc Sci I 123	Staff	
24514		SOCY-103A-01N		Secondary Lab		LBS	F		01:00P-03:00P		Soc Sci I 123	Staff	
22594		SOCY-105A-01		Classical Soc Theor	5	LEC	TTh		12:00P-01:45P		Classroom 002	Traugott,M.	R
				<i>Enroll in lecture and associated discussion section</i>									
22595		SOCY-105A-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22596		SOCY-105A-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22597		SOCY-105A-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22598		SOCY-105A-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22599		SOCY-105A-01E		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22600		SOCY-105A-01F		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22601		SOCY-105A-01G		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22602		SOCY-105A-01H		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22603		SOCY-105A-01I		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22604		SOCY-105A-01J		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23718		SOCY-105A-01K		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23719		SOCY-105A-01L		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24196		SOCY-110-01		Violence in Family	5	SEM	TTh		06:00P-07:45P		Porter Acad 148	O'Brien,D.A.	
22606		SOCY-117-01		Ca Youth/Transition	5	LEC	MWF		02:00P-03:10P		Cowell Clrm 131	Males,M.A.	
22608		SOCY-122C-01		Chicanas/os and Law	5	E SEM	MW		07:00P-08:45P		Oakes Acad 102	Lavenant,C.E.	R
23720		SOCY-134-01		TV and the Nation	5	W LEC	MW		07:00P-08:45P		Eight Acad 242	Guerra,F.	R
22611		SOCY-136-01		Social Psychology	5	LEC	TTh		04:00P-05:45P		Steven Acad 150	Millman,M.	
22612		SOCY-136-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22613		SOCY-136-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22614		SOCY-136-01C		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22615		SOCY-136-01D		Discussion		DIS			**To Be Arranged**		TBA	Staff	
22616		SOCY-141-01		Group Processes	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 167	Millman,M.	R
23721		SOCY-144-01		Sociology of Women	5	LEC	MWF		03:30P-04:40P		Eight Acad 250	West,C.	R
22620		SOCY-170-01		Ethnic & Stat Groups	5	E LEC	TTh		02:00P-03:45P		Oakes Acad 106	Childs,J.B.	
22621		SOCY-178-01		Social Problems	5	LEC	MWF		12:30P-01:40P		Oakes Acad 106	Males,M.A.	
23723		SOCY-179-01		Nature,Poverty,Prog	5	LEC	TTh		10:00A-11:45A		Porter Acad 148	Crow,B.D.	
23726		SOCY-179-01A		Discussion		DIS			**To Be Arranged**		TBA	Staff	
23727		SOCY-179-01B		Discussion		DIS			**To Be Arranged**		TBA	Staff	
24266		SOCY-179L-01		Nat/Pov/Progrss Lab	5	LAB	T		12:00P-01:45P		Porter Acad 249	Crow,B.D.	
22837		SOCY-201-01		Making Classical Th	5	SEM	M		09:00A-12:00P		Eight Acad 226	Szasz,A.	R
22838		SOCY-203-01		Sociol Methods	5	LEC	M		07:00P-10:00P		Steven Acad 213	Archer,D.	R
22839		SOCY-204-01		Quantitative Analys	5	SEM	W		09:00A-12:00P		Eight Acad 226	Fukurai,H.	R
24174		SOCY-230-01		Sociology of Marx	5	SEM	W		02:00P-05:00P		Crown Clrm 105	Lubeck,P.M.	R
SPANISH													
22925		SPAN-1-01		Instr Spanish Lang	5	LEC	MWF		08:00A-09:10A		Merrill Acad 132	Morris,M.D.	R
22926		SPAN-1-02		Instr Spanish Lang	5	LEC	MWF		12:30P-01:40P		Kresge Clrm 325	Morris,M.D.	R
22927		SPAN-1-03		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Kresge Acad 194	Staff	R
22928		SPAN-2-01		Instr Spanish Lang	5	LEC	MWF		09:30A-10:40A		Crown Clrm 203	Barcelo,B.	R
22929		SPAN-2-02		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		Crown Clrm 203	Barcelo,B.	R
22930		SPAN-2-03		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		J Baskin Engr 165	Romero,A.	R
22931		SPAN-2-04		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Kresge Clrm 325	Romero,A.	R
22932		SPAN-2-05		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		J Baskin Engr 165	Perez,A.A.	R
22933		SPAN-2-06		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		J Baskin Engr 165	Perez,A.A.	R
22934		SPAN-3-01		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Merrill Acad 130	Barcelo,B.	R
22935		SPAN-3-02		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		N. Sci Annex 103	Perez,A.A.	R
22936		SPAN-3-03		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		J Baskin Engr 372	Ramirez,F.A.	R
22937		SPAN-3-04		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Kresge Clrm 325	Romero,A.	R
22938		SPAN-4-01		Intermed Spanish	5	H SEM	MWF		12:30P-01:40P		Oakes Acad 102	Calierno,C.	R
22939		SPAN-4-02		Intermed Spanish	5	H SEM	MWF		02:00P-03:10P		Oakes Acad 102	Calierno,C.	R
22940		SPAN-4-03		Intermed Spanish	5	H SEM	MWF		03:30P-04:40P		Oakes Acad 102	Calierno,C.	R
22941		SPAN-4-04		Intermed Spanish	5	H SEM	MWF		03:30P-04:40P		Merrill Acad 132	Gonzalez Pagani,M.	R
22942		SPAN-5-01		Intermed Spanish	5	H LEC	MWF		09:30A-10:40A		Crown Clrm 202	Feliu,V.E.	R
22943		SPAN-5-02		Intermed Spanish	5	H LEC	MWF		03:30P-04:40P		Soc Sci 2 167	Feliu,V.E.	R
22944		SPAN-6-01		Intermed/Adv Span	5	H LEC	MWF		11:00A-12:10P		TBA	Ramirez,F.A.	R
22945		SPAN-6-02		Intermed/Adv Span	5	H LEC	MWF		03:30P-04:40P		J Baskin Engr 372	Ramirez,F.A.	R
24278		SPAN-156F-01		El Humor en Espanol	5	LEC	MWF		02:00P-03:10P		Merrill Acad 132	Gonzalez Pagani,M.	R
SPANISH FOR SPANISH SPEAKERS													
22978		SPSS-61-01		Spanish Speakers	5	H LEC	MWF		11:00A-12:10P		Crown Clrm 202	Feliu,V.E.	
22979		SPSS-61-02		Spanish Speakers	5	H LEC	MWF		02:00P-03:10P		Soc Sci I 161	Navarro,M.A.	
22980		SPSS-61-03		Spanish Speakers	5	H LEC	MWF		03:30P-04:40P		Soc Sci I 161	Navarro,M.A.	

THEATER ARTS

23036		THEA-10-01		Intro to Design	5	A	LEC	TTh	08:00A-09:45A		TA 2nd Stage	Edmunds,K.	
24296		THEA-12-01		Production Manage	5	A	LEC	TTh	10:00A-11:45A		TA Drama B201	Staff	
23728		THEA-17-01		Costume Construct	5	A	STU	TTh	10:00A-11:45A		TA Costume K102	Roos,E.Y.	
23038		THEA-20-01		Intr Studies Acting	5	HA	STU	TTh	12:00P-01:45P		TA Exp Theater L106	Gallagher,P.M.	
<i>Enroll in studio and associated secondary studio</i>													
23039		THEA-20-01A		Secondary Studio			STS	W	09:00A-10:10A		TA Drama B100	Staff	
23040		THEA-20-01B		Secondary Studio			STS	W	10:30A-11:40A		TA Studio C100	Staff	
23041		THEA-20-01C		Secondary Studio			STS	F	09:00A-10:10A		TA Studio C100	Staff	
23042		THEA-20-01D		Secondary Studio			STS	F	02:00P-03:10P		TA Studio C100	Staff	
23048		THEA-21-01		Acting Studio I	5	A	STU	TTh	02:00P-03:45P		TA Drama B100	Staff	R
23736		THEA-22-01		Indonesian Dance	5	AE	STU	TTh	02:00P-03:45P		TA Mainstage A105	Gallagher,P.M.	
23049		THEA-30-01		Intr Modern Dance	5	HA	STU	MWF	11:00A-12:30P		TA Mainstage A105	Staff	
23052		THEA-32-01		Intro to Ballet	5	HA	STU	MWF	09:00A-10:30A		TA Mainstage A104	Staff	
23053		THEA-36-01		Intro Dance Comp	5	HA	STU	MWF	11:00A-12:30P		TA Mainstage A104	Staff	
23054		THEA-40-01		Intro to Directing	5	HA	LEC	TTh	12:00P-01:45P		TA 2nd Stage	Jannarone,K.M.	
23055		THEA-50-01		Fundamen Production	2	A	STU		**To Be Arranged**		TA Mainstage A100	Scheie,D. Cuthbert,D.L.	
<i>Enroll in lecture and associated secondary studio; first class meeting Wednesday, 9/12/9 on TA Main Stage, remainder TBA</i>													
23056		THEA-50-01A		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
23057		THEA-50-01B		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
24289		THEA-50-01C		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
24290		THEA-50-01D		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
24291		THEA-50-01E		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
24292		THEA-50-01F		Secondary Studio			STS		**To Be Arranged**		TBA	Staff	
23065		THEA-60A-01		Develmt Theatr Arts	5	HA	LEC	TTh	10:00A-11:45A		TA 2nd Stage	Mostkoff,P.H.	
<i>Enroll in lecture and associated discussion section</i>													
23066		THEA-60A-01A		Discussion			DIS	T	08:00A-09:10A		TA Offices J102	Staff	
23067		THEA-60A-01B		Discussion			DIS	Th	12:00P-01:10P		TA Drama B201	Staff	
23068		THEA-60A-01C		Discussion			DIS	F	12:30P-01:40P		TA Drama B201	Staff	
23069		THEA-60A-01D		Discussion			DIS	M	09:00A-10:10A		TA Offices J102	Staff	
23070		THEA-60A-01E		Discussion			DIS	M	01:00P-02:10P		TA Drama B201	Staff	
23073		THEA-80H-01		Hamlet Conundrums	5	4A	LEC		**To Be Arranged**		TBA	Bierman,J.H.	
<i>Online class. Please visit www.elsinore.ucsc.edu, and e-mail elsinore@ucsc.edu for course instructions.</i>													
24155		THEA-105-01		Intro DM Design	5	A	LEC	TTh	12:00P-01:45P		TA Mainstage A214	Staff	
23747		THEA-114-01		Design Studio:Sound	5	A	STU	TTh	02:00P-03:45P		TA Drama B201	Staff	R
23080	Y	THEA-121-01		Acting Studio II	5	A	STU	MWF	11:00A-12:10P		TA Drama B100	Staff	R
<i>See Enrollment Conditions for instructions</i>													
23748	Y	THEA-126-01		Acting Studio III	5	A	STU	MWF	12:30P-01:40P		TA Studio C100	Staff	R
<i>See Enrollment Conditions for instructions</i>													
23084	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>													
24293	Y	THEA-151-02		Stdy Perform Drama	5	A	STU	MTWTh	07:00P-10:00P		TA Exp Theater L106	Jannarone,K.M.	
								F	03:30P-06:30P		TA Exp Theater L106		
<i>See Enrollment Conditions for instructions</i>													
24294	Y	THEA-155-01		Wksp Exper Perform	5	A	STU	MTWTh	07:00P-10:00P		Barn Theater 021	Scheie,D. Cuthbert,D.L.	
								F	03:30P-06:30P		Barn Theater 021		
<i>See Enrollment Conditions for instructions</i>													
23750	Y	THEA-155-02		Wksp Exper Perform	5	A	STU	MTWTh	07:00P-10:00P		TA 2nd Stage	Gamel,M.	
								F	03:30P-06:30P		TA 2nd Stage	Gamel,M.	
<i>See Enrollment Conditions for instructions</i>													
24285		THEA-157-01		Playwriting	5	WA	SEM	TTh	02:00P-03:45P		TA 2nd Stage	Bierman,J.H.	R
23751		THEA-161R-01		Thea of Am Cultures	5	AE	LEC	MW	09:30A-11:15A		TA Drama B201	Martinez,A.R.	
23171		THEA-290-01		Special Topics	5		SEM	TTh	02:00P-03:45P		TA Offices J101	Mostkoff,P.H.	R

WOMEN'S STUDIES

23237		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>													
24025		WMST-80S-01		Women in Music	5	4A	LEC	TTh	12:00P-01:45P		Music Center 131	Miller,L.E.	
<i>Also offered as MUSC 80S</i>													
24007		WMST-112-01		Women and the Law	5		LEC	TTh	10:00A-11:45A		Merrill Acad 102	Dent,G.	R
<i>Also offered as POLI 112; mandatory sections to be assigned during first week of class</i>													
24008		WMST-112-01A		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24009		WMST-112-01B		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24010		WMST-112-01C		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24011		WMST-112-01D		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24012		WMST-112-01E		Discussion			DIS		**To Be Arranged**		TBA	Staff	
24013		WMST-112-01F		Discussion			DIS		**To Be Arranged**		TBA	Staff	
23262		WMST-155-01		Women: Transnatl	5	E	SEM	W	03:30P-06:30P		Kresge Clrm 319	Honig,E.	R
		WMST-193-XXX		Field Study	5		FLI		**To Be Arranged**		TBA	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-193F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		WMST-195-XXX		Sr Thesis or Project <i>See sponsoring agency for class number</i>	5	W IND			**To Be Arranged**		TBA	Staff	
23296	Y	WMST-196-01		Feminist Meth Teach	5	SEM	TTh	12:00P-01:45P			Kresge Acad 194	Aptheker,B.F.	
		WMST-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WMST-198F-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		WMST-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WMST-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	
24322		WMST-212-01		Feminist Theory/Law	5	SEM	W	02:00P-05:00P			Oakes Acad 109	Dent,G.	R
		WMST-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	

WRITING

23347		WRIT-1-01		Compos & Rhetoric	5	C SEM	MWF	03:30P-04:40P			Oakes Acad 222	Arthur,D.L.	R
23348		WRIT-1-02		Compos & Rhetoric	5	C SEM	MW	05:00P-06:45P			Soc Sci 2 167	Baker,M.	R
23349		WRIT-1-03		Compos & Rhetoric	5	C SEM	MWF	12:30P-01:40P			Merrill Acad 130	Weaver,A.L.	R
23350		WRIT-1-04		Compos & Rhetoric	5	C SEM	TTh	12:00P-01:45P			Soc Sci 2 165	Lunine,B.D.	R
23351		WRIT-1-05		Compos & Rhetoric	5	C SEM	TTh	10:00A-11:45A			Kresge Acad 194	Spafford,R.L.	R
23352		WRIT-1-06		Compos & Rhetoric	5	C SEM	MWF	02:00P-03:10P			Oakes Acad 222	Weaver,A.L.	R
23353		WRIT-1-07		Compos & Rhetoric	5	C SEM	MWF	03:30P-04:40P			Steven Acad 152	Staff	R
23354		WRIT-1-08		Compos & Rhetoric	5	C SEM	MWF	08:00A-09:10A			Soc Sci 1 145	Staff	R
23355		WRIT-1-09		Compos & Rhetoric	5	C SEM	MW	05:00P-06:45P			Merrill Acad 132	Staff	R
23356		WRIT-1-10		Compos & Rhetoric	5	C SEM	TTh	08:00A-09:45A			Soc Sci 1 145	Staff	R
23357		WRIT-1-11		Compos & Rhetoric	5	C SEM	TTh	04:00P-05:45P			Soc Sci 2 159	Staff	R
23386		WRIT-22A-01		Grammar & Editing	3	SEM	TTh	10:00A-11:45A			Soc Sci 2 141	Freeman,M.C.	
23387		WRIT-22A-02		Grammar & Editing	3	SEM	MWF	02:00P-03:10P			Cowell Acad 216	Krusoe,N.	
23760		WRIT-22A-03		Grammar & Editing	3	SEM	MWF	03:30P-04:40P			Soc Sci 2 141	Krusoe,N.	
23388		WRIT-22B-01		Grammar & Editing	3	SEM	TTh	12:00P-01:45P			Soc Sci 2 141	Freeman,M.C.	
		WRIT-93-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-93F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	
23408	Y	WRIT-169-01		Tutoring Writing	5	SEM	TTh	02:00P-03:45P			Oakes Acad 102	Fatemi,F.	
23409	Y	WRIT-169-02		Tutoring Writing	5	SEM	TTh	04:00P-05:45P			Oakes Acad 102	Lunine,B.D.	
		WRIT-189-XXX		Teaching Writing <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-191A-XXX		Intern in Writing <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-191B-XXX		Intern in Editing <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-191C-XXX		Intern in Publish <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-191D-XXX		Intern in Broadcast <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-193F-XXX		Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-195-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-198F-XXX		Indepen Field Study <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**		TBA	Staff	
		WRIT-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**		TBA	Staff	
		WRIT-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**		TBA	Staff	

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		Women's Studies Nicolette Czarrunchick, 9-4324, 180 Kresge (wst@ucsc.edu)	Angela Y. Davis
		Writing Program Barbara Lee, 9-2431, 166 Kresge (blee@ucsc.edu)	TBA

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Box Office	International Programs	2858
Campus Calendar Information	KZSC Radio	
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Cashier's Office	McHenry Library Reference Desk	2711
Chancellor's Office	Science Library Information	2050
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Colleges and University Housing Services	Lost and Found	2231
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Colleges	Physical Education, Recreation, and Sports	2531
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College Nine	Post Office	2765
College Ten	Printing Services	2925
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*If using an on-campus phone, precede with a 6.

BIAS-MOTIVATED INCIDENT REPORTING FORM

If you believe you have witnessed, or that you have been a target of, a bias-motivated incident on campus or while participating in a university-sponsored activity, you may bring the incident to the attention of the Hate-Bias Incident Advisory Board by contacting the Director for Student Judicial Affairs (refer to contact information below).

The Director for Student Judicial Affairs is available to assist you with any questions you may have about your options, advice, and/or referrals. You are not obligated to use your name. However, should you want Student Judicial Affairs to investigate, your name will be needed.

The Hate/Bias Peer Response Team is also available to provide support to members of the UCSC community. The Peer Response Team serves as an ally to, and advocate for, those who have been targeted or who have witnessed a hate- or bias-motivated incident.

A copy of the campus Hate/Bias Incident Policy can be found in the *UCSC Student Policies and Regulations Handbook, Appendix M* or on the web at <http://www2.ucsc.edu/judicial/>.

INCIDENT: Please describe the incident as specifically as possible. Include all dates, times, and locations. If you do not know the identity of the person(s) who initiated the incident, provide as accurate a physical description as possible. Also list names of any possible witnesses. (Use additional pages if necessary)

(Required) Please indicate the category of bias which *best* fits the incident you are reporting:

- Age Creed Ethnicity Race Gender Gender Identity Physical Ability
 Political Views Religion Sexual Orientation Socioeconomic Status
 Other (please specify): _____

Action you are requesting:

- Information only, no action requested Contact me for follow-up on this report*
 Review for possible disciplinary action* Have a Peer Response Team member contact me*
 I wish to be contacted by an EEO/AA representative (University Employees only)*

(*) Please provide the following (print clearly):

Name: _____ **Phone:** _____ **E-mail:** _____

Send Reporting Forms to
Student Judicial Affairs
245 Hahn Student Services
Phone: (831) 459-4446 / Fax: (831) 459-3188
SJA@ucsc.edu

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