

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 2009–10. Contact the departments for more information. This list is also available on the web at reg.ucsc.edu/coursefees.html. **Note for financial aid recipients:** A modest allowance for course materials fees is included in the cost of attendance budget on which your financial aid is based. If high course material fee costs are preventing you from enrolling in a course(s) and you need additional assistance, contact the Financial Aid and Scholarship Office to discuss your options.

Anthropology

ANTH 107L/207L <i>Human Functional Anatomy Laboratory</i>	\$60
ANTH 110 <i>Comparative Functional Anatomy</i>	\$45
ANTH 180 <i>Ceramic Analysis in Archaeology</i>	\$25
ANTH 190B <i>Primate Field Ecology: Field Methods in Primatology</i>	\$1700
ANTH 290B <i>Primate Field Ecology: Field Methods in Primatology</i>	\$1700

Art

ART 10G <i>2D Foundation</i>	\$5
ART 10H <i>3D Foundation</i>	\$50
ART 20 <i>Introduction to Drawing for Majors</i>	\$25
ART 22 <i>Intro to Electronics for Intermedia</i>	\$45
ART 23 <i>Intermedia I</i>	\$32
ART 24A <i>Introduction to Painting (Oil)</i>	\$50
ART 24B <i>Introduction to Painting: Acrylic</i>	\$50
ART 25 <i>Relief Printmaking</i>	\$65
ART 26 <i>Introduction to Printmaking</i>	\$70
ART 27 <i>Monoprinting/Mixed Media Printing</i> ..	\$65
ART 28 <i>Introduction to Figurative Sculpture</i>	\$75
ART 29 <i>Begin Intermedia: 3D Approaches</i>	\$42
ART 30 <i>Intro to Photography for Art Majors</i>	\$67
ART 39 <i>Public Art I: Community, Site, & Place</i> ..	\$65
ART 40 <i>Sculpture I</i>	\$65
ART 60 <i>Forms and Ideas</i>	\$15
ART 80A <i>Introduction to Drawing-Non-Majors</i> .	\$10
ART 80D <i>Introduction to Photography</i>	\$25
ART 101 <i>Intermediate/Advanced Drawing</i>	\$35
ART 102 <i>Figure Drawing</i>	\$40
ART 103 <i>Intermediate/Advanced Painting</i>	\$48
ART 104 <i>Special Topics in Painting</i>	\$48
ART 105 <i>Special Topics in Drawing</i>	\$60
ART 106A <i>Sr. Studio in Draw/Paint</i>	\$48
ART 107 <i>Mixed Media Works on Paper</i>	\$25
ART 109 <i>Intermedia II</i>	\$32
ART 110 <i>Special Topics: Interactive Art</i>	\$32
ART 112 <i>Intaglio I</i>	\$70
ART 113 <i>Intaglio II</i>	\$70
ART 114 <i>Lithography I</i>	\$60
ART 115 <i>Lithography II</i>	\$70
ART 116A <i>Sr. Studio Printmaking</i>	\$70
ART 117 <i>Special Topics in Printmaking</i>	\$70
ART 118 <i>Computer Art: Theories, Methods, and Practices</i>	\$45
ART 120 <i>Adv Projects in Computer Art I</i>	\$45
ART 123 <i>Digital Printmaking in Contemporary Art Practice</i>	\$67
ART 126 <i>Art of Bookmaking</i>	\$55
ART 127A <i>Visiting Artist Special Topics: A</i> ...	\$55-\$75
ART 130 <i>Intermediate Photography</i>	\$75
ART 131 <i>Advanced Photography</i>	\$75
ART 132 <i>Color in Photography</i>	\$77
ART 133A <i>Sr. Studio in Photography</i>	\$75
ART 134 <i>Special Topics in Photography</i>	\$75
ART 135 <i>Intro Digital Photography</i>	\$75
ART 136 <i>Adv Digital Photography</i>	\$75
ART 138 <i>Intermediate/Adv Sculpture</i>	\$65
ART 139 <i>Intermed/Adv Sculpture Foundry</i>	\$150
ART 140 <i>Metal Sculpture</i>	\$95

ART 141 <i>Sculpture II</i>	\$75
ART 143 <i>Adv Intermedia: 3D Approaches</i>	\$42
ART 144 <i>Site Works</i>	\$42
ART 145 <i>Material Metaphor II</i>	\$47
ART 146 <i>Special Topics Intermedia/ Conceptual and Process-Oriented Approaches</i>	\$65
ART 148 <i>Special Topics Sculpture/Public Art</i>	\$65
ART 156 <i>Topics in Public Art: Memory, Landscape, and Artist as Activist</i>	\$50
ART 159A <i>Senior Studio in Intermedia, Sculpture, and Electronic Art</i>	\$65
ART 161 <i>Picturing Identity: Document and Culture</i>	\$65
ART 199 <i>Tutorial</i>	\$50

Biochemistry and Molecular Biology

BIOC 110 <i>Biochemistry Lab</i>	\$75
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Biology

BIOE 75 <i>Scientific Diving Certification</i>	\$335
BIOE112L <i>Ornithology Field Studies</i>	\$25
BIOE 114L <i>Field Methods in Herpetological Research</i>	\$50
BIOE 117L <i>Systematic Botany of Flowering Plants Laboratory</i>	\$25
BIOE 120L <i>Marine Botany Laboratory</i>	\$30
BIOE 122L <i>Invertebrate Zoology Laboratory</i>	\$20
BIOE 127L <i>Ichthyology Laboratory</i>	\$15
BIOE 129L <i>Biology of Marine Mammals Lab</i> ..	\$25
BIOE 131L <i>Animal Physiology Laboratory</i>	\$20
BIOE 141L <i>Behavioral Ecology Field Course</i>	\$50
BIOE 145L <i>Field Methods in Plant Ecology</i>	\$35
BIOE 150L <i>Ecological Field Methods Lab</i>	\$60
BIOE 151 <i>Ecology and Conservation in Practice Supercourse</i>	\$1,090
BIOE 158L <i>Marine Ecology Laboratory</i>	\$40
BIOE 159A <i>Marine Ecology Field Quarter</i>	\$3,392
BIOE 161L <i>Kelp Forest Ecology Laboratory</i>	\$80
BIOE 170L <i>Molecular Ecology/Evolution Lab</i>	\$80
BIOL 20L <i>Experimental Biology Laboratory</i> ...	\$20
BIOL 100L <i>Biochemistry Laboratory</i>	\$25
BIOL 105L <i>Eukaryotic Genetics Laboratory</i>	\$30
BIOL 105M <i>Microbial Genetics Laboratory</i>	\$25
BIOL 109L <i>Yeast Molecular Genetics Lab</i>	\$50
BIOL 110L <i>Cell Biology Laboratory</i>	\$60
BIOL 111L <i>Immunology Laboratory</i>	\$75
BIOL 115L <i>Eukaryotic Molecular Biol Lab</i>	\$50
BIOL 119L <i>Microbiology Laboratory</i>	\$30
BIOL 120L <i>Development Laboratory</i>	\$40
BIOL 128L <i>Neural Genetics Laboratory</i>	\$40
BIOL 130L <i>Human Physiology Laboratory</i>	\$15
BIOL 135L <i>Human Functional Anatomy Lab</i>	\$60
BIOL 187L <i>Molecular Biotechnology Lab</i>	\$50

Biomolecular Engineering

BME 123A <i>BME Senior Design Project I</i>	\$40
BME 123B <i>BME Senior Design Project II</i>	\$40

Chemistry

CHEM 1M <i>General Chemistry Laboratory</i>	\$13
CHEM 1N <i>General Chemistry Laboratory</i>	\$15
CHEM 108L <i>Organic Chemistry Lab</i>	\$30
CHEM 108M <i>Organic Chemistry Lab</i>	\$40
CHEM 112L <i>Organic Chemistry Lab</i>	\$40

CHEM 112M <i>Organic Chemistry Lab</i>	\$40
CHEM 112N <i>Organic Chemistry Lab</i>	\$85
CHEM 122 <i>Principles Instrumental Analysis</i> ...	\$40
CHEM 146A <i>Adv Lab Organic Chemistry</i>	\$75
CHEM 146B <i>Adv Lab Inorganic Chemistry</i>	\$75
CHEM 146C <i>Adv Lab Physical Chemistry</i>	\$40
CHEM 151L <i>Inorganic Chemistry Lab</i>	\$50
CHEM 164B <i>Physical Chemistry Lab II</i>	\$25

Computer Engineering

CMPE 100L <i>Logic Design Laboratory</i>	\$31
CMPE 117L <i>Embedded Software Laboratory</i> ...	\$30
CMPE 118L <i>Intro. to Mechatronics Lab</i>	\$146
CMPE 121L <i>Microprocessor Sys. Design Lab</i> .	\$205
CMPE 123A <i>Engineering Design Project I</i>	\$40
CMPE 123B <i>Engineering Design Project II</i>	\$40
CMPE 125L <i>Logic Design w/ Verilog Lab</i>	\$25
CMPE 126L <i>Advanced Logic Design Lab</i>	\$25
CMPE 150 <i>Introduction to Computer Networks</i>	\$30
CMPE 151 <i>Network Administration</i>	\$30
CMPE 156L <i>Network Programming Lab</i>	\$30
CMPE 163L <i>Multimedia Processing/App. Lab</i> .	\$25
CMPE 167L <i>Sensing and Sensor Technologies Laboratory</i>	\$10
CMPE 173L <i>Hi Speed Dig Design Lab</i>	\$25
CMPE 174 <i>Intro. to EDA Tools for PCB Design</i> .	\$25
CMPE 218L <i>Mechatronics Laboratory</i>	\$146
CMPE 225 <i>Introduction to ASIC Systems Design</i> .	\$15

Computer Science

CMPS 170 <i>Game Design Studio I</i>	\$25
CMPS 171 <i>Game Design Studio II</i>	\$65
CMPS 172 <i>Game Design Studio III</i>	\$25

Cowell College

COWL 70A <i>Bookbinding</i>	\$60
COWL 70B <i>Printing I: Elements of Printing</i> ...	\$60
COWL 70C <i>Printing II: Typography and Book Design</i>	\$60

Digital Arts and New Media

DANM 219 <i>Intro. to Electronics for Artmaking</i> .	\$50
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Earth Sciences

EART 5L <i>California Geology Laboratory</i>	\$20
EART 10L <i>Geologic Principles Laboratory</i>	\$30
EART 20L <i>Environmental Geology Laboratory</i> .	\$20
EART 80B <i>Earthquakes</i>	\$25
EART 100 <i>Vertebrate Paleontology</i>	\$10
EART 101 <i>The Fossil Record</i>	\$40
EART 104 <i>Geologic Hazards</i>	\$10
EART 105 <i>Coastal Geology</i>	\$15
EART 109 <i>Elements of Field Geology</i>	\$100
EART 110C <i>The Dynamic Earth</i>	\$10
EART 116 <i>Hydrology</i>	\$10
EART 117 <i>Paleomagnetism</i>	\$25
EART 120 <i>Sedimentology and Stratigraphy</i>	\$40
EART 125 <i>Geographic Information Systems</i>	\$20
EART 130 <i>Magnas and Volcanoes</i>	\$40
EART 140L <i>Geomorphology Laboratory</i>	\$75
EART 142 <i>Engr. Geology for Enviro. Scientists</i> .	\$10
EART 146 <i>Groundwater</i>	\$10
EART 148 <i>Glaciology</i>	\$60

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EART 150 Structural Geology.....	\$40
EART 152 Tectonics.....	\$15
EART 188A-B Senior Field Internship	
UCSC Students.....	\$2,200
Non-UCSC Students.....	\$2,400
UCSC Students 1 Session.....	\$1,100
Non-UCSC Students 1 Session.....	\$1,200
EART 205 Introductory Graduate Seminar.....	\$40
EART 263L Planetary Field Course.....	\$20

Education

EDUC 221 Science Teaching and Earning in Elementary Classrooms.....	\$10
EDUC 231 Teaching Science in Secondary Classrooms.....	\$10

Electrical Engineering

EE 101L Intro Electronic Circuits Lab.....	\$43
EE 115 Introduction to MEMS Design.....	\$15
EE 123A Engineering Design Project I.....	\$40
EE 123B Engineering Design Project II.....	\$40
EE 130L Intro to Optoelectronics Lab.....	\$20
EE 135L Electromagnetic Flds & Waves Lab.....	\$40
EE 145L Properties of Materials Lab.....	\$30
EE 157L RF Hardware Design Lab.....	\$25
EE 171L Analog Electronics Lab.....	\$38
EE 215 MEMS Design.....	\$15

Engineering

For information on fees for School of Engineering courses, see

www.soe.ucsc.edu/administration/lab-support/fees.

ENGR 50L Engineering Mechanics Lab.....	\$23
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Environmental Studies

ENVS 107A Natural History Field Quarter... \$530	
ENVS 109B Ecology and Conservation in Practice Supercourse:.....	\$1,090

Film and Digital Media

Fees for film courses may be less than published or not charged for a particular quarter. Contact the Film and Digital Media Department for information.

FILM 20A The Film Experience.....	\$2
FILM 20B Intro to TV Culture and Society.....	\$2
FILM 20C Intro to Digital Media.....	\$2
FILM 20P Intro to Production Technique.....	\$15
FILM 80A Technothrillers.....	\$1
FILM 120 Intro to Film Theory and Criticism....	\$2
FILM 130 Silent Cinema.....	\$4
FILM 132A-B International Cinema to 1960....	\$4
FILM 132C Gender and Global Cinema.....	\$5
FILM 134A American Film, 1930–1960.....	\$4
FILM 134B American Film, 1960–Present.....	\$4
FILM 136A Experimental Film and Video.....	\$12
FILM 136B History of Television.....	\$5
FILM 136C Visual Culture and Technology.....	\$8
FILM 142 Beyond Cybernetics: Adv Topics in New Media Technologies.....	\$15
FILM 160 Film Genres.....	\$8
FILM 161 Documentary Film and Video.....	\$10
FILM 162 Film Authors.....	\$8
FILM 165A Film, Video, and Gender.....	\$15
FILM 165B Race on Screen.....	\$15
FILM 165C Lesbian, Gay, Queer Film & Video... \$15	
FILM 165D Asian Americans and Media.....	\$15
FILM 168 National Cinema and Culture.....	\$15
FILM 170A Intro to Digital Media Production.. \$35	
FILM 170B Fundamentals Film/Video Prod.	\$190
FILM 171A Sound.....	\$161
FILM 172 Film/Video Studio.....	\$292

FILM 173 Narrative Workshop.....	\$210
FILM 175 Documentary Video Workshop.....	\$210
FILM 176 Experimental Video Workshop.....	\$210
FILM 177 Digital Media Workshop.....	\$20
FILM 178A Personal Computers in Film/Video.. \$147	
FILM 185D Sound/Image in Theory, Criticism ..\$12	
FILM 185E Chicano/a Cinema, Video.....	\$12
FILM 185R The Film Remake.....	\$12
FILM 185S Advanced Topics in Film Studies....	\$12
FILM 185X Eye Candy Seminar.....	\$12
FILM 187 Adv Topics in TV Studies.....	\$8
FILM 189 Adv Topics in Digital & Electronic Media Studies.....	\$5
FILM 194A Film Theory Seminar.....	\$15
FILM 194B Electronic Media Theory Seminar .	\$15
FILM 194C New Media Theory Seminar.....	\$15
FILM 194D Film History Seminar.....	\$12
FILM 194E International Cinemas.....	\$15
FILM 194F Film and Other Arts: Music/Dance.. \$15	
FILM 194G New(s) Media.....	\$15
FILM 194S Special Topics Seminar.....	\$12
FILM 196A Sr. Project Film/Video Producn... \$292	
FILM 197 Sr. Digital Media Workshop.....	\$20
FILM 283 New Media Art and Digital Culture\$20	

History

HIS 7 Archives and Public History.....	\$20
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Microbiology and Environmental Toxicology

METX 119L Microbiology Laboratory.....	\$30
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Music

MUSC 1A Women's Chorale.....	\$10
MUSC 1C University Concert Choir.....	\$10
MUSC 2 University Orchestra.....	\$10
MUSC 3 Large Jazz Ensemble.....	\$10
MUSC 9 Wind Ensemble.....	\$10
MUSC 60 Group Piano.....	\$100
MUSC 61 Indv Lessons (½hr).....	\$260
MUSC 62 Indv Lessons (1hr).....	\$415
MUSC 63 Group Instrumental/Vocal.....	\$100
MUSC 102 University Orchestra.....	\$10
MUSC 103 University Concert Choir.....	\$10
MUSC 159A-B Opera Workshop.....	\$10
MUSC 160 University Opera Theater.....	\$10
MUSC 161 Indv Lessons (1hr).....	\$415
MUSC 162 Adv Lessons (1hr).....	\$415
MUSC 166 Chamber Singers.....	\$10
MUSC 196B Sr. Recital Prep. (indiv. lessons). \$415	
MUSC 261 Grad. Applied Inst.(1 hr) Major .	\$415

Physical Education

PHYE 5A Aquatics: Swimming Level I.....	\$10
PHYE 5B Aquatics: Swimming Level II.....	\$10
PHYE 5C Aquatics: Swimming Level III.....	\$10
PHYE 5D Aquatics: Swimming Level IV.....	\$10
PHYE 5E Aquatics: Lifeguard Training.....	\$90
PHYE 5F Water Safety Instructor.....	\$55
PHYE 5G Aquatics: Swimming/Conditioning.. \$10	
PHYE 5H Aquatics: Competitive Swimming....	\$10
PHYE 5R Aquatics: Basic Scuba Diving.....	\$150
PHYE 5S Aquatics: Adv Scuba Diving.....	\$125
PHYE 5T Aquatics: Rescue Scuba Instruction. \$165	
PHYE 5U Aquatics: Dive Master.....	\$265
PHYE 9B Boating: Beginning Dinghy.....	\$55
PHYE 9C Boating: Intermed Sailing: Dinghy.. \$55	
PHYE 9D Boating: Adv Sailing: Dinghy.....	\$55
PHYE 9E Boating: Competitive Sailing.....	\$60
PHYE 9H Boating: Intermediate Rowing.....	\$50
PHYE 9J Boating: Intermed Rowing.....	\$50
PHYE 9K Boating: Ocean Kayaking.....	\$50

PHYE 9S Boating: Intermed Sailing: Keelboat . \$60	
PHYE 9T Boating: Adv Sailing: Keelboat.....	\$60
PHYE 15B Court Sports: Basketball.....	\$10
PHYE 15H Court Sports: Racquetball.....	\$10
PHYE 15N Court Sports: Tennis.....	\$10
PHYE 15T Court Sports: Volleyball.....	\$10
PHYE 20A Dance: Ballet.....	\$22
PHYE 20B Dance: Folk International.....	\$15
PHYE 20C Dance: Jazz.....	\$15
PHYE 20D Dance: Modern.....	\$22
PHYE 25A Fencing: Épée.....	\$15
PHYE 25B Fencing: Foil.....	\$15
PHYE 25C Fencing: Sabre.....	\$15
PHYE 28K Field Sports: Soccer.....	\$10
PHYE 30G Fitness Activity: Phys. Conditioning. \$10	
PHYE 30H Fitness Activity: T'ai Chi Ch'uan ..	\$10
PHYE 30J Fitness Activity: Strength Training... \$10	
PHYE 30L Fitness Activity: Yoga Exercises.....	\$10
PHYE 43A Martial Arts: Aikido.....	\$10
PHYE 43G Martial Arts: Tae Kwon Do (Karate) \$10	

Physics

PHYS 160 Practical Electronics.....	\$40
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Theater Arts

THEA 12 Production Management.....	\$10
THEA 14 Drawing.....	\$20
THEA 17 Costume Construction.....	\$25
THEA 18 Drafting for Theatrical Production... \$25	
THEA 18C Drafting: Computer Aided.....	\$20
THEA 19 Design Studio: Lighting Studio A.....	\$20
THEA 30 Intro: Mod. Dance Theory, Technique... \$21	
THEA 31C Dance Studio I.....	\$21
THEA 32 Introduction to Ballet.....	\$21
THEA 33 Advanced Intro Modern Dance.....	\$21
THEA 36 Introduction to Dance Composition.. \$21	
THEA 37 African Dance.....	\$45
THEA 80Y The Broadway Musical.....	\$21
THEA 107 Design Studio: Masks/Makeup.....	\$25
THEA 110 Advanced Stage Technology.....	\$20
THEA 114 Design Studio: Sound.....	\$20
THEA 115A Design Studio: Scenic Design.....	\$15
THEA 116A History of Clothing/Costume.....	\$25
THEA 117 Design Studio: Costume.....	\$25
THEA 118 Design Studio: Scene Painting.....	\$25
THEA 119 Design Studio: Lighting Studio B... \$25	
THEA 129 Advanced Ballet.....	\$21
THEA 130 Int. Modern Dance Theory/Technique \$21	
THEA 131 Adv. Modern Dance Theory/Technique \$21	
THEA 131C Dance Studio II.....	\$21
THEA 132 Modern Dance Studio.....	\$21
THEA 135 Dance Improvisation and Theory....	\$21
THEA 136 Intermediate Ballet.....	\$21
THEA 136C Dance Studio III.....	\$21
THEA 137 Studies in Performance (Dance).....	\$21
THEA 138 Movement Research in New Arts Praxis \$21	
THEA 139 Random: With a Purpose.....	\$21
THEA 158 Chautauqua Workshop.....	\$5
THEA 161V The Broadway Musical.....	\$21