

University of California Santa Cruz

COURSE FEES

2011-2012

Changes in Bold

Division/Department/Class	Course Fees
ARTS DIVISION	
Art Department	
ART 10G - 2D Foundation	\$5
ART 10H - 3D Foundation	\$30
ART 10J - Technology Foundation	\$15
ART 20 - Intro to Drawing for Majors	\$25
ART 22 - Intro to Electronics for Intermedia	\$45
ART 23 - Intermedia I	\$32
ART 24A - Intro to Painting (Oil)	\$50
ART 24B - Intro to Painting (Acrylic)	\$50
ART 25 - Relief Printmaking	\$65
ART 26 - Intro to Printmaking	\$70
ART 27 - Monoprinting/Mixed Media Printing	\$65
ART 28 - Intro to Figurative Sculpture	\$75
ART 29 - Beg. Inter media - 3D Approaches	\$42
ART 30 - Intro to Photography Majors	\$67
ART 32 - Beg. Digital/Film Photography	\$75
ART 33 - Screenprinting	\$65
ART 36 - Relief and Mixed Media Printmaking	\$65
ART 37 Material Metaphor I	\$42
ART 38 - Digital Printmaking	\$67
ART 39 - Public Art I: Community, Site & Place	\$65
ART 40 - Sculpture I	\$65
ART 60 - Forms and Ideas	\$15
ART 80A - Introduction to Drawing - Non-Majors	\$10
ART 80D - Intro to Photography - Beginners/Non-Majors	\$25
ART 101 - Inter/Adv. Drawing	\$35
ART 102 - Figure Drawing	\$40
ART 102A - Figure Painting	\$40
ART 103 - Inter/Adv. Painting	\$48
ART 104 - Special Topics in Painting	\$48
ART 105 - Special Topics in Drawing	\$60
ART 106 - A/B Sr. Studio Drawing/Painting	\$48
ART 107 - Mixed Media Work on Paper	\$25
ART 108A - Inter-Arts Senior Studio	\$65
ART 109 - Intermedia II	\$32
ART 110 - Special Topics: Interactive Art	\$32
ART 111 - Book Arts II	\$60
ART 112 - Relief & Intaglio Printmaking I	\$70
ART 113 - Relief & Intaglio Printmaking II	\$70
ART 114 - Lithography I	\$60

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ART 115 - Lithography II	\$70
ART 116A - Sr. Studio Printmaking	\$70
ART 117 - Special Topics in Printmaking	\$70
ART 118 - Computer Art Theories, Methods, Practices	\$45
ART 120 - Adv. Projects in Computer Art I	\$45
ART 123 - Digital Printmaking in Contemporary Art Practice	\$67
ART 125 - Print Media in Visual Communication	\$70
ART 126 - Art of Bookmaking	\$55
ART 127A - Visiting Artists Special Topics A	\$55-\$75
ART 129 - Photo-Based Printmaking	\$70
ART 130 - Intermediate Photography	\$75
ART 131 - Advanced Photography	\$75
ART 132 - Color in Photography	\$77
ART 133A - Senior Studio in Photography	\$75
ART 134 - Special Topics in Photography	\$75
ART 135 - Intro to Digital Photography	\$75
ART 136 - Advanced Digital Photography	\$75
ART 138 - Intermediate/Advanced Sculpture	\$65
ART 139 - Intermediate/Advanced Sculpture Foundry	\$150
ART 140 - Metal Sculpture	\$95
ART 141 - Sculpture II	\$75
ART 143 - Advanced Intermedia: 3D Approaches	\$42
ART 144 - Site Works	\$42
ART 145 - Material Metaphor II	\$20
ART 146 - Special Topics: in Intermedia/Sculpture	\$65
ART 148 - Special Topics in Sculpture and Public Art	\$65
ART 156 - Topics in Public Art: Memory, Landscape and Artist	\$50
ART 159A - Sr. Studio Intermedia, Sculpture/Electronic Art	\$65
ART 160 - Forms & Ideas	\$15
ART 161 - Picturing Identity: Document and Culture	\$65
ART 199 - Tutorial Independent Study	\$50
Music Department	
MUSIC 1A - Women's Chorale	\$10
MUSIC 1C - University Concert Choir	\$10
MUSIC 2 - University Orchestra	\$10
MUSIC 3 - Large Jazz Ensemble	\$10
MUSIC 9 - Wind Ensemble	\$10
MUSIC 60 - Group Lessons	\$100
MUSIC 61 - Indiv. Lessons	\$350
MUSIC 62 - Indiv. Lessons	\$650

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MUSIC 63 - Group Lessons	\$100
MUSIC 102 - University Orchestra	\$10
MUSIC 103 - Concert Choir	\$10
MUSIC 159A - Opera Workshop	\$10
MUSIC 159B - Opera Workshop	\$10
MUSIC 160 - University Opera Theater	\$10
MUSIC 161 - Indiv. Lessons	\$650
MUSIC 162 - Advanced Indiv. Lessons	\$650
MUSIC 166 - Chamber Singers	\$10
MUSIC 196B - Senior Recital Preparation Individual Lessons	\$650
MUSIC 261 - Graduate Applied Instruction	\$650
 Film and Digital Media	
FILM 20A The Film Experience	\$2
FILM 20B Intro to TV Culture and Society	\$2
FILM 20C Introduction to Digital Media	\$2
FILM 20P Intro to Production Technique & Theory	\$15
FILM 80A Technothrillers	\$1
FILM 120 Intro to Film Theory and Criticism	\$2
FILM 130 Silent Cinema	\$4
FILM 132A International Cinema to 1960	\$4
FILM 132B International Cinema, 1960 to Present	\$4
FILM 132C Gender and Global Cinema	\$5
FILM 134A American Film 1930-1960	\$4
FILM 134B American Film 1960 to 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 - Advanced Topics in New Media Technologie	\$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 and Video	\$15
FILM 165D Asian Americans and Media	\$15
FILM 168 National Cinema and Culture	\$15
FILM 170A Introduction to Digital Media Production	\$35
FILM 170B Fundamentals of Film/Video Production	\$190
FILM 171A Special Topics Sound	\$161
FILM 171F Special Topics Workshop: Autobiographical Film	\$210

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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 185 Special Topics in Film and Video	\$12
FILM 187 Special Topics in Television Studies	\$8
FILM 189 Special Topics in Digital/Electronic Media Studies	\$5
FILM 194A Film Theory Seminar	\$15
FILM 194B Electronic Theory Media 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 in Film/Video Production	\$292
FILM 196C Senior Documentary Workshop	\$292
FILM 197 Sr. Digital Media Workshop	\$20
FILM 200C Theory and Praxis of Film & Digital Media, Part 2	\$292
FILM 283 New Media Arts and Digital Culture	\$20
Digital Arts and New Media	
DANM 33 - Introduction to Electronics & Physical Computing	\$65
DANM 219 - Introduction to Electronics for Art-Making	\$50
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 Computer Aided Drawing for Theatrical Production	\$20
THEA 19 Design Studio: Lighting Studio A	\$20
THEA 30 Introduction to Modern Dance Theory & Technique	\$21
THEA 31C Dance Studio I	\$21
THEA 32 Introduction to Ballet	\$21
THEA 33 Adv. Intro to Modern Dance	\$21
THEA 36 Intro to Dance Composition	\$21
THEA 37 African Dance	\$45
THEA 080Y The Broadway Musical	\$21

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THEA 107 Design Studio: Masks and 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 Intermed. Mod 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 & 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 Purpose	\$21
THEA 158 Chautauqua	\$5
THEA 161J And How Did You Enjoy the Play, Mrs. Lincoln	\$100
THEA 161V The Broadway Musical	\$21

DIVISION OF PHYSICAL AND BIOLOGICAL SCIENCES

Biology: Ecology and Evolutionary Biology

BIOE 075 - Scientific Diving Certification	\$335
BIOE 112L - Ornithology Field Studies	\$50
BIOE 114L - Field Methods in Herpetological Research	\$50
BIOE 117L - Systematic Botany of Flowering Plants Lab	\$25
BIOE 120L - Marine Botany Lab	\$40
BIOE 122L - Invertebrate Zoology Lab	\$20
BIOE 127L - Ichthyology Lab	\$15
BIOE 129L - Biology of Marine Mammals Lab	\$45
BIOE 131L - Animal Physiology Lab	\$20
BIOE 135L - Plant Physiology Lab	\$20
BIOE 141L - Behavioral Ecology Field Course	\$65
BIOE 145L - Field Methods in Plant Ecology	\$45
BIOE 150L - Ecological Field Methods Lab	\$60
BIOE 151B - Ecology and Conservation in Practice Supercourse	\$1,597
BIOE 158L - Marine Ecology Lab	\$40
BIOE 159 - Marine Ecology Field Quarter - Tahiti	\$3,000

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BIOE 161L - Kelp Forest Ecology Lab	\$100
Biology: Molecular, Cell, and Developmental Biology	
BIOL 20L - Experimental Biology Lab	\$20
BIOL 100K - Biochemistry Lab	\$35
BIOL 100L - Biochemistry Lab	\$25
BIOL 105L - Eukaryotic Genetics Lab	\$35
BIOL 105M - Microbial Genetics Lab	\$25
BIOL 109L - Yeast Molecular Genetics Lab	\$50
BIOL 110L - Cell Biology Lab	\$60
BIOL 111L - Immunology Lab	\$75
BIOL 115L - Eukaryotic Molecular Biology Lab	\$60
BIOL 119L - Microbiology Lab	\$40
BIOL 120L - Development Lab	\$60
BIOL 121L - Environmental Phage Biology Lab	\$100
BIOL 128L - Neural Genetics Lab	\$40
BIOL 130L - Human Physiology Lab	\$15
BIOL 135L - Human Functional Anatomy Lab	\$45
BIOL 176L - Molecular Ecology and Evolution Lab	\$10
BIOL 187L - Molecular Biotechnology Lab	\$60
Chemistry	
CHEM 1M - General Chemistry - Lab	\$18
CHEM 1N - General Chemistry - Lab	\$20
CHEM 80H - Intro to Wines and Wine Chemistry	\$25
CHEM 108L - Organic Chemistry Lab	\$45
CHEM 108M - Organic Chemistry Lab	\$50
BIOC 110 - Biochemistry Lab	\$80
CHEM 112L - Organic Chemistry Lab	\$45

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CHEM 112M - Organic Chemistry Lab	\$50
CHEM 112N - Organic Chemistry Lab	\$88
CHEM 122 - Principles of Instrumental Analysis	\$60
CHEM 146A - Adv. Lab. in Organic Chemistry	\$75
CHEM 146B - Adv. Lab. in Inorganic Chemistry	\$85
CHEM 146C - Adv. Lab in Physical Chemistry	\$75
CHEM 151L - Inorganic Chemistry Lab	\$50
CHEM 164B - Physical Chemistry Laboratory II	\$35
Earth Sciences	
EART 5L - California Geology - Lab	\$20
EART 10L - Geologic Principles - Lab	\$30
EART 20L - Environmental Geology - Lab	\$20
EART 80B - Earthquakes: You, the Earth, & Society	\$25
EART 100 - Vertebrate Paleontology	\$10
EART 101 - The Fossil Record	\$40
EART 104 - Geologic Hazards	\$10
EART 105 - Coastal Geology	\$10
EART 109 - Elements of Field Geology	\$120
EART 110C - The Dynamic Earth	\$10
EART 116 - Hydrology	\$10
EART 117 - Paleomagnetism	\$40
EART 120 - Sedimentology and Stratigraphy	\$40
EART 125 - Geographic Information Systems	\$20
EART 130 - Magmas & Volcanoes	\$40
EART 140L - Geomorphology Lab	\$45
EART 142 - Engineering Geology for Environmental Scientists	\$85
EART 146 - Groundwater	\$10
EART 148 - Glaciology	\$85
EART 150 - Structural Geology	\$60
EART 152 - Tectonics	\$15
EART 188 A & B - Summer Field Internship	
UCSC Students Both Sessions	\$2,200
UCSC Students - One Session	\$1,100
Non- UCSC Students Both Sessions	\$2,400
Non-UCSC Students - One Session	\$1,200
EART 205 - Introductory Graduate Seminar	\$30
EART 207 - Tectonics	\$15
EART 263L - Planetary Field Course	\$20

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Microbiology and Environmental Toxicology	
METX 119L - Microbiology Lab	\$40
Physics	
PHYSICS 160 - Practical Electronics	\$40
<u>SOCIAL SCIENCES DIVISION</u>	
Anthropology	
ANTH 107L - Human Functional Anatomy	\$0
ANTH 207L - Human Functional Anatomy	\$0
ANTH 110 - Comparative Anatomy Lab	\$45
ANTH 180 - Ceramic Analysis Lab	\$25
ANTH 190B - Field Methods in Primatology - Costa Rica	\$1,700
ANTH 290B - Field Methods in Primatology - Costa Rica	\$1,700
Environmental Science	
ENVS 107A - Natural History Field Quarter	\$650
ENVS 109B - Ecology and Conservation in Practice Supercourse	\$1,090
ENVS 115L - Geographic Information Systems	\$20
ENVS 215L - Geographic Information Systems	\$20
Education	
EDUC 221 - Science Teaching and Learning in Elementary Classrooms	\$10
EDUC 231 - Teaching Science in Secondary Classrooms	\$10
<u>OFFICE OF PHYSICAL EDUCATION RECREATION</u>	
Physical Education	
PHYE 5A - Aquatics: Swimming Level 1	\$20
PHYE 5B - Aquatics: Swimming Level 2	\$20
PHYE 5C - Aquatics: Swimming Level 3	\$20
PHYE 5D - Aquatics: Swimming Level 4	\$20
PHYE 5E - Aquatics: Lifeguard Training	\$90
PHYE 5F - Aquatics: Water Safety Instructor	\$55
PHYE 5G - Aquatics: Swimming/Conditioning	\$20
PHYE 5H - Aquatics: Competitive Swimming	\$20
PHYE 5R - Aquatics: Basic Scuba Diving	\$85
- Basic Scuba Certification	\$65
PHYE 5T - Aquatics: Advanced Scuba Diving	\$105
- Advanced Scuba Certification	\$20
PHYE 5U - Aquatics - Rescue Scuba	\$100
- Rescue Scuba Certification	\$65

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PHYE 5U-N Aquatics: Dive Master	\$165
- Dive Master Certification	\$100
PHYE 9B - Boating: Basic Sailing	\$55
PHYE 9C - Boating: Intermediate Sail-Dinghy	\$55
PHYE 9D - Boating: Advanced Sail-Dinghy	\$55
PHYE 9E - Boating: Competitive Sailing	\$60
PHYE 9H - Boating: Intermediate Rowing	\$50
PHYE 9J - Boating: Basic and Intermediate Rowing	\$50
PHYE 9K - Boating: Ocean Kayaking	\$50
PHYE 9S - Boating: Intermediate Sail-Keelboat	\$60
PHYE 9T - Boating: Advanced Sail-Keelboat	\$60
PHYE 15B - Court Sports: Basketball	\$20
PHYE 15H - Court Sports: Racquetball	\$20
PHYE 15N - Court Sports: Tennis	\$20
PHYE 15T - Court Sport: Volleyball	\$20
PHYE 20A - Dance: Ballet	\$22
PHYE 20B - Dance: Folk Dance International	\$20
PHYE 20C - Dance: Jazz	\$20
PHYE 20D - Dance: Modern	\$22
PHYE 25A - Fencing: Epee	\$20
PHYE 25B - Fencing: Foil	\$20
PHYE 25C - Fencing: Sabre	\$20
PHYE 28K - Field Sports: Soccer	\$20
PHYE 30G - Fitness Activities: Physical Conditioning	\$20
PHYE 30H - Fitness Activities: Tai Chi Ch'uan	\$20
PHYE 30J - Fitness Activities: Weight Training	\$20
PHYE 30L - Fitness Activities: Yoga Exercises	\$20
PHYE 43A - Martial Arts: Aikido	\$20
PHYE 43G - Martial Arts: Tae Kwon Do (Karate)	\$20
 <u>SCHOOL OF ENGINEERING</u>	
Engineering	
ENGR 50L - Engineering Mechanics Lab	\$23
 Computer Engineering	
CMPE 100L - Logic Design Lab	\$31
CMPE 117L - Embedded Software Lab	\$30
CMPE 118L - Intro to Mechatronics Lab	\$146
CMPE 121L - Microprocessor System Design Lab	\$205
CMPE 123A - Engineering Design Project I	\$40
CMPE 123B - Engineering Design Project II	\$40

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CMPE 125L - Logic Design with Verilog Lab	\$25
CMPE 126L - Advanced Logic Design Lab	\$25
CMPE 150 - Introduction to Computer Networks	\$30
CMPE 151 - Computer Network Administration	\$30
CMPE 156L - Network Programming Lab	\$30
CMPE 163L - Multimedia Processing/Applications Lab	\$25
CMPE 167L - Sensing & Sensor Technologies Lab	\$47
CMPE 173L - High Speed Digital Design Lab	\$25
CMPE 174 - Introduction to EDA Tools	\$25
CMPE 218L - Mechatronics Lab	\$146
CMPE 225 - Intro to ASIC Systems Design	\$15
Computer Science	
CS 170 - Game Design Studio 1	\$25
CS 171 - Game Design Studio 2	\$65
CS 172 - Game Design Studio 3	\$25
Electrical Engineering	
EE 70L - Intro to Electronic Circuits Lab	\$0
EE 101L - Intro to Electronics Lab	\$43
EE 115 - Introduction to MEMS Design	\$15
EE 123A - Electrical Engineering Senior Project I	\$40
EE 123B - Electrical Engineering Senior Project II	\$40
EE130L - Intro. to Optoelectronics Lab	\$20
EE 135L - Electromagnetic Fields & Waves Lab	\$40
EE 145L - Properties of Materials Lab	\$30
EE 157L - RF Hardware Design Lab	\$25
EE 171L - Analog Electronics Lab	\$38
EE 211 - Intro to Nanotechnology	\$36
EE 215 - MEMS Design	\$15
Biomolecular Engineering	
BME 123A - BME Senior Design Project 1	\$40
BME 123B - BME Senior Design Project 2	\$40
BME 140 - Bioinstrumentation	\$40
<u>COWELL COLLEGE</u>	
COWELL 70A - Bookbinding	\$60
COWELL 70B - Printing I: Elements of Printing	\$60
COWELL 70C - Printing II: Typography and Book Design	\$60