

New fees or changes to existing fees from AY 2019-2020 are highlighted in blue

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CF1 Value = {Two letter department prefix} + {Course Number and letter (if applicable)} + {XX as needed to have 6 Characters}

Course No. / Cross-Listings	Course Title	Course ID	Fee Type	Fee Amount 2019-20	Chartstrings					Notes
					BU	Acct	Fund	Dept	CF1	
<u>Anthropology</u>										
ANTHRO 134A - section 1	Field Course in Archaeological Methods- Pinnacles National Forest	100619	field study	\$1,200	10000	40563	20218	13164	SZ134A	
ANTHRO 134A - section 3	Jomon Hunter-Gatherers in Japan	100619	field study	\$1,400-\$1,600	10000	40563	20218	13164	SZ134A	
ANTHRO 134A - section 4	Field Course in Archaeological Petrology	100619	field study	\$1,200-\$1,500	10000	40563	20218	13164	SZ134A	
<u>Bioengineering</u>										
BIO ENG 101	Instrumentation in Biology and Medicine	101998	materials	\$50	10000	40563	20218	11454	EF101X	
BIO ENG 104	Biological Transport Phenomena	102000	materials	\$25	10000	40563	20218	11454	EF104X	
BIO ENG 115	Cell Biology Laboratory for Engineers	102005	materials	\$100	10000	40563	20218	11454	EF115X	
BIO ENG 121L	BioMems and BioNanotechnology Laboratory	102008	materials	\$100	10000	40563	20218	11454	EF121X	
BIO ENG 140L	Synthetic Biology Laboratory	102013	materials	\$50	10000	40563	20218	11454	EF140X	
BIO ENG 168L	Practical Light Microscopy	102027	materials	\$30	10000	40563	20218	11454	EF168L	
BIO ENG 192	Senior Design Projects	102056	materials	\$45	10000	40563	20218	11454	EF192X	
BIO ENG C218 / MCELLBI C237	Stem Cells and Directed Organogenesis	124021	materials	\$150	10000	40563	20218	11454	EF218X	
<u>Cal Teach Program</u>										
UGIS 303	Apprentice Teaching in Science and Mathematics	122679	portfolio	\$0	10000	40563	20218	12968	UG303X	
<u>Chemical Engineering</u>										
CHM ENG 154	Chemical Engineering Laboratory	103330	materials	\$127	10000	40563	20218	10860	CE154X	
CHM ENG C170L / CHEM C170L	Biochemical Engineering Lab	124355	materials	\$120	10000	40563	20218	10860	CE170X	
CHM ENG C178 / CHEM C178	Polymer Science Technology	124161	materials	\$40	10000	40563	20218	10860	CE178X	
<u>Chemistry</u>										
CHEM 1AL	General Chemistry Laboratory	102891	materials	\$32	10000	40563	20218	10720	CC1ALX	
CHEM 1B	General Chemistry	102892	materials	\$40	10000	40563	20218	10720	CC1BXX	Fee increased from \$35 (approved at \$45 in AY21-22 and \$50 in AY22-23)
CHEM 3AL ¹	Organic Chemistry Laboratory	103003	materials	\$58	10000	40563	20218	10720	CC3ALX	
CHEM 3BL ²	Organic Chemistry Laboratory	103005	materials	\$66	10000	40563	20218	10720	CC3BLX	
CHEM 4A	General Chemistry & Quantitative Analysis	103017	materials	\$70	10000	40563	20218	10720	CC4AXX	
CHEM 4B	General Chemistry & Quantitative Analysis	103018	materials	\$110	10000	40563	20218	10720	CC4BXX	Fee increased from \$105
CHEM 12A ³	Organic Chemistry	102901	materials	\$62	10000	40563	20218	10720	CC12AX	
CHEM 12B ⁴	Organic Chemistry	102902	materials	\$80	10000	40563	20218	10720	CC12BX	
CHEM 15	Analytical and Bioanalytical Chemistry	102923	materials	\$55	10000	40563	20218	10720	CC15XX	

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³ EPS 118 is a six-week field course taken during the summer but students receive Spring Semester credit										
Electrical Engineering & Computer Science										
EE ENG 16A	Designing Information Devices and Systems I	106327	materials	\$7	10000	40563	20218	11522	EE16AX	Fee decreased from \$10
EE ENG 16B	Designing Information Devices and Systems II	106328	materials	\$15	10000	40563	20218	11522	EE16BX	
EL ENG 143	Microfabrication Technology	106317	materials	\$90	10000	40563	20218	11522	EH143X	
Environmental Science, Policy, and Management										
ESPM 100	Environmental Problem Solving	107379	field trip	\$16	10000	40563	20218	13510	MC100X	New fee New fee
ESPM C107 / INTEGBI 158LF ¹	Biology & Geomorphology of Tropical Islands	124225	field trip	\$4,186-\$4,806	10000	40563	20218	13510	MC107X	
ESPM 140	General Entomology	107439	field trip	\$75	10000	40563	20218	13510	MC140X	
ESPM 147	Field Entomology	107449	field trip	\$50	10000	40563	20218	13510	MC147X	
¹ A nonrefundable \$500 deposit is charged upon acceptance; balance assessed at the end of 5th week										
Integrative Biology										
BIOLOGY 1B	General Biology Lab	102130	materials	\$20	10000	40563	20218	12307	IBBIOX	Fee increased from \$33 Fee decreased from \$25 New fee Fee increased from \$242
INTEGBI 102LF ¹	Intro to California Plant Life Lab	110932	field trip	\$12-\$40	10000	40563	20218	12307	IB102X	
INTEGBI 103LF ²	Invertebrate Zoology Laboratory	110935	field trip	\$23-\$43	10000	40563	20218	12307	IB103X	
INTEGBI 104LF ³	Natural History of the Vertebrates Lab	110938	field trip	\$40-\$70	10000	40563	20218	12307	IB104X	
INTEGBI 113L	Paleobiological Perspectives on Ecology and Evolution	110950	materials	\$0-\$25	10000	40563	20218	12307	IB113L	
INTEGBI 130L	Comparative Vertebrate Anatomy and Functional Morphology	156016	materials	\$56.50	10000	40563	20218	12307	IB130L	
INTEGBI 131L	General Human Anatomy Lab	110981	materials	\$18	10000	40563	20218	12307	IB131L	
INTEGBI 132L	Physiology Laboratory	110984	materials	\$15	10000	40563	20218	12307	IB132L	
INTEGBI 134L	Practical Genomics	159827	materials	\$25	10000	40563	20218	12307	IB134L	
INTEGBI 146LF	Behavioral Ecology with Field Lab	111005	materials	\$143	10000	40563	20218	12307	IB146L	
INTEGBI 151L	Plant Physiological Ecology Laboratory	111016	field trip	\$4-\$8	10000	40563	20218	12307	IB151L	
INTEGBI 154L	Plant Population & Community Ecology Lab	111025	field trip	\$25-\$45	10000	40563	20218	12307	IB154L	
INTEGBI 157LF ⁵	Ecosystems of California	111030	field trip	\$268	10000	40563	20218	12307	IB157L	
INTEGBI 158LF ⁶ / ESPM C107	Biology & Geomorphology of Tropical Islands	124225	field trip	\$4,186-\$4,806	10000	40563	20218	13510	MC107X	
INTEGBI 170L ⁴	Laboratory in Population and Community Ecology	111044	field trip	\$86-\$110	10000	40563	20218	12307	IB170L	
INTEGBI 173LF ⁷	Mammalogy Laboratory	111048	field trip	\$100	10000	40563	20218	12307	IB173X	
INTEGBI 174LF ⁸	Ornithology Laboratory	111051	field trip	\$25-\$50	10000	40563	20218	12307	IB174X	
INTEGBI 175LF ⁹	Herpetology Laboratory	111054	field trip	\$125-\$175	10000	40563	20218	12307	IB175X	
INTEGBI 176L	Ichthyology Laboratory	111056	field trip	\$12-\$36	10000	40563	20218	12307	IB176X	
INTEGBI C407 / PHYS ED C407	Introduction to Scientific Diving	124553	field trip	\$185	10000	40563	20218	12360	IPSDIX	

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¹ Originally approved as INTEGBI 102L ² Originally approved as INTEGBI 103L ³ Originally approved as INTEGBI 104L ⁴ Originally approved as INTEGBI 153LF ⁵ Originally approved as INTEGBI 157L ⁶ Originally numbered INTEGBI C158; a nonrefundable \$500 deposit is assessed upon acceptance ⁷ Originally approved as INTEGBI 173L ⁸ Originally approved as INTEGBI 174L ⁹ Originally approved as INTEGBI 175L										
Journalism										
JOURN 210	News Photography	111712	materials	\$80	10000	40563	20218	11784	DJ210X	
JOURN 211 ¹	Computer Assisted Reporting	111713	materials	\$48	10000	40563	20218	11784	DJ211X	
JOURN 212 ²	Advanced Radio	111714	materials	\$40	10000	40563	20218	11784	DJ212X	
JOURN 213 ¹	Documentary Photography	111715	materials	\$80	10000	40563	20218	11784	DJ213X	
JOURN 214 ¹	Photography Tutorial	111716	materials	\$48	10000	40563	20218	11784	DJ214X	
JOURN 216	Multimedia Reporting	111718	materials	\$50	10000	40563	20218	11784	DJ216X	
JOURN 223	New Media Visuals	111725	materials	\$100	10000	40563	20218	11784	DJ223X	
JOURN 275	Radio News Reporting	111758	materials	\$40	10000	40563	20218	11784	DJ275X	
JOURN 282	Introduction to Television News	111760	materials	\$200	10000	40563	20218	11784	DJ282X	
JOURN 283	Reporting for Television	111761	materials	\$200	10000	40563	20218	11784	DJ283X	
JOURN 284 ³	Documentary Production	111762	materials	\$200	10000	40563	20218	11784	DJ284X	
JOURN 285 ⁴	Advanced Television Reporting: Longform Television	111763	materials	\$200	10000	40563	20218	11784	DJ285X	
¹ Originally approved as JOURN 298; originally titled "Advanced Photography" ² Originally approved as JOURN 299 ³ Originally titled "Documentary News Films" ⁴ Originally titled "Advanced Television Reporting: TV Magazine"										
Mechanical Engineering										
MEC ENG 100 ¹	Electronics for the Internet of Things		materials	\$84	10000	40563	20218	11580	EK100X	
¹ Originally approved as EE 49										
Molecular & Cell Biology										
BIOLOGY 1AL ¹	General Biology Lab	102129	materials	\$20-\$50	10000	40563	20218	12130	IMB1AX	Fee decreased from \$50
MCELLBI 32L	Introduction to Human Physiology Lab	115416	materials	\$20-\$35	10000	40563	20218	12130	IM32LX	Fee decreased from \$35

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MCELLBI 63L	Introduction to Neuroanatomy Laboratory	157846	materials	\$15	10000	40563	20218	12130	IM63LX	
MCELLBI C110L/110L / CHEM C110L	General BioChemistry and Molecular Biology Laboratory	124450	materials	\$158	10000	40563	20218	12130	IM110L	
MCELLBI 133L ²	Cell Biology Lab	115116	materials	\$144	10000	40563	20218	12130	IM133L	
MCELLBI 140L	Genetics Lab	115136	materials	\$158	10000	40563	20218	12130	IM140L	
MCELLBI 150L	Immunology Lab	115143	materials	\$158	10000	40563	20218	12130	IM150L	
MCELLBI 160L	Neurobiology Lab	115147	materials	\$144	10000	40563	20218	12130	IM160L	
MCELLBI 163L	Mammalian Neuroanatomy Laboratory	125412	materials	\$36	10000	40563	20218	12130	IM163L	
MCELLBI 170L	Molecular and Cell Biology Laboratory	157853	materials	\$158	10000	40563	20218	12130	IM170L	
MCELLBI C237 – see BIO ENG C218	Stem Cells and Directed Organogenesis	124021	materials	\$150	10000	40563	20218	12130	IMC237	
¹ Originally approved as BIOLOGY 1A										
² Originally approved as MCELLBI 130L										
Music										
MUSIC 29	Music Now	116280	personnel	\$10	10000	40563	20218	12750	HMMU29	
MUSIC 144	University Chorus	116124	music	\$20	10000	40563	20218	12750	HMU144	
Nutritional Sci. & Toxicology										
NUSCTX 135	Food Systems Organized Management	116905	materials	\$62	10000	40563	20218	13560	MD100X	
NUSCTX 170	Experimental Nutrition Laboratory	116914	materials	\$150	10000	40563	20218	13560	MD170X	
NUSCTX 171	Nutrition and Toxicology Laboratory	116915	materials	\$150	10000	40563	20218	13560	MD171X	
NUSCTX 108B	Lab: Application of Food Science	116898	materials	\$86	10000	40563	20218	13560	MD108B	
Physical Education										
PHYS ED 1, 2, 3, 4 and 5	Physical Education Activities	118282								
	Section - Aquatics		materials	\$20-\$40	10000	40563	20218	12360	IPAQUA	
	Section - Dance		materials	\$20-\$40	10000	40563	20218	12360	IPDANC	
	Section - Fitness		materials	\$20-\$40	10000	40563	20218	12360	IPFITN	
	Section - Individual Sports		materials	\$20-\$40	10000	40563	20218	12360	IPISPO	
	Section - Team Sports		materials	\$20-\$40	10000	40563	20218	12360	IPTEAM	
	Section - Combative Sports/Martial Arts		materials	\$20-\$40	10000	40563	20218	12360	IPCOMB	
PHYS ED 47A ¹	Introduction to Scuba Diving	118308	field trip	\$154	10000	40563	20218	12360	IP47AX	
PHYS ED 47B ¹	Intermediate Skin and Scuba Diving	118309	field trip	\$142	10000	40563	20218	12360	IP47BX	
PHYS ED C407 / INTEGBI C407	Introduction to Scientific Diving	124553	field trip	\$185	10000	40563	20218	12360	IPSDIX	
¹ Originally approved as PHYS ED 47										

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<u>Physics</u>										
Modern Physics and Advanced Electrical Laboratory										
PHYSICS 111A	- Basic Semiconductor Circuits (BSC)	118362	materials	\$175	10000	40563	20218	13053	PHBSCX	
PHYSICS 111B	- Advanced Lab	118363	materials	\$165	10000	40563	20218	13053	PHADVL	
<u>School of Public Health</u>										
SPH 162L	Public Health Microbiology Laboratory	117517	materials	\$45	10000	40563	20218	13995	SPH162	
SPH 290 Section 11	Field Study in Food and Nutrition Policy	117790	field trip	\$165	10000	40563	20218	13995	SPH290	