

Course Material Fee Rates and Courses List
Summer 2018

Department	Course #	Type	Course Title	Cross-Listed Department	Cross-Listed Course #	Approved Fee
College of Natural and Agricultural Sciences						
Biochemistry	15	Lab	Intro Biochemical Laboratory			\$80
	102	Lab	Introductory Biochemistry Laboratory			\$80
	162	Lec	Biochemistry and Molecular Biology			\$150
Biology	2	Lab	Cellular Basis of Life			\$50
	3	Lab	Organisms in Their Environment			\$25
	5LA	Lab	Introduction to Cell and Molecular Biology Lab			\$50
	5B	Lab	Introduction to Organismal Biology			\$50
	5C	Lab	Introduction to Evolution and Ecology			\$15
	20	Lab	Dynamic Genome			\$50
	100	Lab	General Entomology	Entomology	100	\$30
	104	Lab	Foundations of Plant Biology	Botany and Plant Sciences	104	\$30
	118	Lab	Molecular Phylogenetics & Evolution			\$50
	121L	Lab	Microbiology Laboratory	Microbiology	121L	\$50
	132	Lab	Plant Anatomy	Botany and Plant Sciences	132	\$40
	138	Lab	Plant Development Morphology	Botany and Plant Sciences	138	\$30

		143	Lab	Plant Physiology	Botany and Plant Sciences	143	\$50
		151	Lab	Invertebrate Zoology			\$50
		160L	Lab	Laboratory in Animal Behavior			\$50
		161A	Lab	Functional Anatomy of the Vertebrates			\$50
		161B	Lab	Functional Anatomy of the Vertebrates			\$50
		162	Lec	Insect Behavior	Entomology	162	\$5
		163	Lab	Evolutionary Ecology of Terrestrial Vertebrates			\$120
		165	Lec	Restoration Ecology	Botany and Plant Sciences	165	\$40
		170	Lab	Herpetology			\$160
		171L	Lab	Human Anatomy & Physiology			\$50
		173	Lab	Insect Physiology	Entomology	173	\$5
	Botany and Plant Sciences	31	Lab	Spring Wildflowers			\$25
		104	Lab	Foundations of Plant Biology	Biology	104	\$30
		132	Lab	Plant Anatomy	Biology	132	\$40
		133	Lab	Taxonomy of Flowering Plants			\$40
		138	Lab	Plant Development Morphology	Biology	138	\$30
		143	Lab	Plant Physiology	Biology	143	\$50
		146	Lab	Plant Ecology			\$30
		165	Lec	Restoration Ecology	Biology	165	\$40
		166	Wrk	Plant Physiological Ecology			\$30

Cell Biology and Neuroscience	106	Lec	Introduction to Neuroscience			\$9
	120L	Lec	Neuroscience Laboratory	Psychology	120L	\$40
	124	Lec	Systems Neuroscience	Psychology	124	\$9
	169	Lec	Human Embryology			\$11
Chemistry	1LA	Lab	General Chemistry			\$46
	1LB	Lab	General Chemistry			\$46
	1LC	Lab	General Chemistry			\$46
	1HLA	Lab	Honors General Chemistry			\$46
	1HLB	Lab	Honors General Chemistry			\$46
	1HLC	Lab	Honors General Chemistry			\$46
	5	Lab	Quantitative Analysis			\$46
	08LA	Lab	Organic Chemistry			\$46
	08LB	Lab	Organic Chemistry			\$46
	08LC	Lab	Organic Chemistry			\$46
	12A	Lab	Organic Chemistry			\$46
	12B	Lab	Organic Chemistry			\$46
	12C	Lab	Organic Chemistry			\$46
	111	Lab	Physical Chemistry			\$46
	125	Lab	Instrumental Methods			\$46
	140	Lab	Environmental Chemistry			\$46
	166	Lab	Advanced Structural and Synthetic Methods			\$46

Entomology	10	Lec	Natural History of Insects			\$5
	100	Lab	General Entomology	Biology	100	\$30
	109	Lab	Field Entomology			\$94
	114	Lab	Aquatic Insects			\$100
	124	Lab	Agricultural Entomology			\$100
	126	Lec	Medical and Veterinary Entomology			\$33
	162	Lec	Insect Behavior	Biology	162	\$5
	173	Lab	Insect Physiology	Biology	173	\$5
Genetics	272	Lab	Introduction to Imaging Bioinstrumentation	Electrical Engineering	272	\$30
	273	Lab	Live Imaging & Analysis of Cellular and Molecular Behaviors	Electrical Engineering	273	\$30
	274	Lab	Introduction to Medical Imaging & Analysis	Electrical Engineering	274	\$30
Geosciences	102B	Fld	Summer Field Geology			\$2,201
Mathematics	2	Lec	Math Support Practicum			\$3
	4	Lec	Intro Col Math Bus & Soc			\$3
	5	Lec	Precalculus			\$3
	008A	Lec	Intro to Coll Math for Sciences			\$3
	008B	Lec	Intro to Coll Math for Sciences			\$6
	009A	Lec	First Year Calculus			\$6

		009B	Lec	First Year Calculus			\$6
		009C	Lec	First Year Calculus			\$6
		09HA	Lec	Honors Calculus			\$3
		09HB	Lec	Honors Calculus			\$3
		09HC	Lec	Honors Calculus			\$3
		010A	Lec	Calculus - Several Variables			\$3
		010B	Lec	Calculus - Several Variables			\$3
		11	Lec	Introduction to Discrete Structures	Computer Science	11	\$3
		15	Lec	Contempt Math of Hum			\$3
		22	Lec	Calculus for Business			\$6
		46	Lec	Ordinary Differential Eq.			\$6
	Microbiology	121L	Lab	Microbiology Laboratory	Biology	121L	\$50
		125	Lab	Experimental Microbiology			\$50
	Physics	002A	Lec	General Physics			\$5
		002B	Lec	General Physics			\$5
		002C	Lec	General Physics			\$5
		2LA	Lab	General Physics Laboratory			\$25
		2LB	Lab	General Physics Laboratory			\$25
		2LC	Lab	General Physics Laboratory			\$25
		8	Lec	Color & Sound			\$5
		10	Lec	How Things Work			\$5

		16	Lec	Principles of Physics			\$5
		40A	Lab	General Physics			\$25
		40B	Lab	General Physics			\$25
		40C	Lab	General Physics			\$25
		41A	Lab	Intro Physics for Physics Major			\$50
		41B	Lab	Intro Physics for Physics Major			\$50
		41C	Lab	Intro Physics for Physics Major			\$50
		139L	Lab	Electronics for Scientists			\$45
		142L	Lab	Advanced Physics Laboratory			\$150
		142W	Wrk	Advanced Physics Laboratory			\$150

College of Humanities, Arts, & Social Sciences

Art		1	Lec	Beginning Drawing and Design			\$20
		2	Lec	Beginning Painting and Design			\$40
		3	Lec	Intro to Photo Process			\$50
		4	Lec	Introduction to Moving Images	Media & Cultural Studies	4	\$60
		5	Lec	Beginning Sculpture and 3-D Design			\$85
		9	Lec	Introductory Web-Based Art: Site Creation and Navigation			\$50
		32	Lec	Sophomore Workshop			\$80

		65	Lec	Intro To Vector Image Making & Printing			\$65
		66	Lec	Introduction to 3-D Digital Modeling			\$40
		67	Lec	3-D Dimensional Digital Modeling & Animation			\$65
		70 E-Z	Lec	Digital Imaging Software for the Visual Arts			\$50
		71 E-Z	Lec	Photographic Materials & Processes			\$50
		75 E-Z	Wrk	Sculpture Materials & Processes			\$65
		102	Lec	Intermediate Drawing			\$20
		103	Lec	Advanced Drawing			\$20
		104	Lec	Life Drawing			\$45
		110	Lec	Intermediate Painting			\$40
		111	Lec	Advanced Painting			\$40
		112 E-Z	Wrk	Painting Materials and Processes			\$50
		115	Lec	Intermediate Sculpture			\$80
		125	Lec	Sculpture Hybrid			\$75
		131	Lec	Intermediate Photography & Digital Technology	Media & Cultural Studies	131	\$75
		132	Lec	Junior Workshop			\$80
		133	Lec	Senior Art Workshop			\$80
		134	Lec	Mixed Media			\$65

		136	Lec	Installation & Site-Specific Art	Media & Cultural Studies	136	\$65
		137	Lec	Advanced Sculpture			\$80
		139	Lec	Intermediate Web Based Art			\$40
		140	Lec	Intermediate Analog Photography			\$60
		142	Lec	Color Photography			\$45
		143	Lec	Advanced Digital Imaging Technology			\$65
		145	Lec	Advanced Photography Workshop			\$60
		146 E-Z	Lec	Topics in Advanced Photography			\$60
		150	Lec	Intermediate Moving Images	Media & Cultural Studies	150	\$50
		155	Lec	Advanced Moving Images	Media & Cultural Studies	155	\$50
		162	Stu	New Genres of Art Practice			\$50
		165	Lec	Intermediate Vector Image Making & Printing			\$65
		167	Lec	Web Authoring			\$35
		169 E-Z	Lec	Digital Imaging Intermediate Software			\$35
		171	Lec	Intermediate & Advanced Sculpture/Digital			\$65
		175	Lec	Advanced Digital Workshop			\$65
	Art History	136	Lec	History of Video Art	Media & Cultural Studies	137	\$10

		137	Lec	History of Experimental Film	Media & Cultural Studies	138	\$20
	Gender and Sexuality Studies	148	Lec	INTRSCTNLTY, ECLGY,& DSIGN SCI			\$917
	Media and Cultural Studies	4	Lec	Introduction to Moving Images	Art	4	\$60
		131	Lec	Intermediate Photography & Digital Technology	Art	131	\$75
		136	Lec	Installation & Site-Specific Art	Art	136	\$65
		137	Lec	History of Video Art	Art History	136	\$10
		138	Lec	History of Experimental Film	Art History	137	\$20
		150	Lec	Intermediate Moving Images	Art	150	\$50
		155	Lec	Advanced Moving Images	Art	155	\$50
	Music	080 (E-Z)	Stu	Private Instruction: Voice, Keyboard, and Strings			\$250
		081 (E-Z)	Stu	Private Instruction: Brass, Woodwinds, Percussion, and Other Instruments			\$250
		0180 (E-Z)	Stu	Private Instruction: Voice, Keyboard, and Strings			\$500
		0181 (E-Z)	Stu	Private Instruction: Brass, Woodwinds, Percussion, and Other Instruments			\$500
	Psychology	120L	Lec	Neuroscience Laboratory	Cell Biology and Neuroscience	120L	\$40
		124	Lec	Systems Neuroscience	Cell Biology and Neuroscience	124	\$9
	Theatre, Film, and Digital Production	44	Dis	Makeup: Theater, Film, TV			\$61

		155	Lec	Intro to Digital Film Production			\$98
		156A	Lec	Digital Film Production			\$98
		156B	Lec	Digital Film Production			\$98
		157	Lec	Introduction to Film Editing			\$71

Bourns College of Engineering

	Bioengineering	010	Lec	Overview of Bioengineering			\$50
		130L	Lab	Bioinstrumentation Lab			\$50
		155	Lab	Biotechnology Lab			\$150
		175A, 175B, 175C	Lec	Senior Design			\$100
	Chemical and Environmental Engineering	11	Lab	Intro to Bioengineering			\$30
		125	Lab	Analys Meths For Chem & Env Engrs			\$50
	Chemical Engineering	124L	Lab	Biochemical Engr Lab			\$50
		160A	Lab	Chem/Env Engineering Lab	Environmental Engineering	160A	\$50
		160B	Lab	Chemical Engineering Lab			\$50
		160C	Lab	Chemical Engineering Lab			\$50
		161	Lab	Nanotechnology Processing Lab			\$50
		175A	Lab	Chemical Process Design			\$50
	Computer Science	5	Lab	Introduction to Computer Programming			\$30

		6	Lab	Effective Use of the World Wide Web			\$30
		8	Lab	Introduction to Computing			\$30
		10	Lab	Introduction to Computer Science for Science, Mathematics, and Engineering I			\$30
		11	Lec	Introduction to Discrete Structures	Mathematics	11	\$3
		12	Lab	Introduction to Computer Science for Science, Mathematics, and Engineering II			\$30
		13	Lab	Introduction to Computer Science for Engineering Majors			\$30
		30	Lab	Introduction to Computational Science and Engineering			\$30
		120A	Lab	Logic Design	Electrical Engineering	120A	\$30
		120B	Lab	Introduction to Embedded Systems	Electrical Engineering	120B	\$30
		122A	Lab	Intermediate Embedded and Real-Time Systems			\$30
		122B	Lab	Advanced Embedded and Real-Time Systems			\$30
		130	Lab	Computer Graphics			\$30
		133	Lab	Computational Geometry			\$30
		134	Lab	Video Game and Creation and Design			\$30
		152	Lab	Compiler Design			\$30

		153	Lab	Design of Operating Systems			\$30
		160	Lab	Concurrent Programming and Parallel Systems			\$30
		161L	Lec	Design and Architecture of Computer Systems			\$30
		162	Lab	Computer Architecture			\$30
		164	Lab	Computer Networks			\$30
		165	Lab	Computer Security			\$30
		166	Lab	Database Management Systems			\$30
		168	Lab	Introduction to Very Large Scale Integration (VLSI) Design	Electrical Engineering	168	\$30
		177	Lab	Modeling and Simulation			\$30
		179 E-Z	Lab	Project in Computer Science			\$30
		180	Lab	Introduction to Software Engineering			\$30
		181	Lab	Principles of Programming Languages			\$30
		183	Lab	UNIX System Administration			\$30
	Electrical Engineering	01LA	Lab	Engineering Circuit Analysis I Laboratory			\$30
		001B	Lab	Engineering Circuit Analysis II			\$30
		100A	Lab	Electronic Circuits			\$30
		100B	Lab	Electronic Circuits			\$30
		105	Lab	Modeling and Simulation of Dynamic Systems			\$30

		110B	Lab	Signals and Systems			\$30
		115	Lab	Introduction to Communication Systems			\$30
		120A	Lab	Logic Design	Computer Sciences	120A	\$30
		120B	Lab	Introduction to Embedded Systems	Computer Sciences	120B	\$30
		123	Lab	Power Electronics			\$30
		128	Lab	Data Acquisition, Instrumentation, and Process Control			\$30
		132	Lab	Automatic Control			\$30
		134	Lab	Digital Integrated Circuit Layout and Design			\$30
		135	Lab	Analog Integrated Circuit Layout and Design			\$30
		136	Lab	Semiconductor Device Processing			\$50
		140	Lab	Computer Visualization			\$30
		141	Lab	Digital Signal Processing			\$30
		144	Lab	Introduction to Robotics	Mechanical Engineering	144	\$30
		146	Lab	Computer Vision			\$30
		151	Lab	Introduction to Digital Control			\$30
		152	Lab	Image Processing			\$30
		153	Lab	Electric Drives			\$30
		165	Lab	Design for Reliability of Integrated Circuits and Systems			\$30

		168	Lab	Introduction to Very Large Scale Integration (VLSI) Design	Computer Science	168	\$30
		204	Lab	Advanced Electromagnetics			\$30
		206	Lab	Nanoscale Characterization Techniques	Materials Science and Engineering	227	\$30
		229	Lab	Video Processing & Communication			\$30
		272	Lab	Introduction to Imaging Bioinstrumentation	Genetics	272	\$30
		273	Lab	Live Imaging & Analysis of Cellular and Molecular Behaviors	Genetics	273	\$30
		274	Lab	Introduction to Medical Imaging & Analysis	Genetics	274	\$30
		275	Lab	Project in Video Bioinformatics			\$30
	Engineering (ENGR)	180W	Lec	Technical Communications			\$30
	Environmental Engineering	160A	Lab	Chem/Env Engineering Lab	Chemical Engineering	160A	\$50
		160B	Lab	Environmental Engineering Lab			\$50
		160C	Lab	Environmental Engineering Lab			\$50
		175A	Lab	Senior Design Project			\$50
	Materials Science and Engineering	227	Lab	Nanoscale Characterization Techniques	Electrical Engineering	206	\$30
	Mechanical Engineering	1A	Lab	Introduction to Mechanical Engineering			\$30
		1B	Lab	Introduction to Mechanical Engineering			\$30

		1C	Lab	Introduction to Mechanical Engineering			\$30
		18	Lab	Introduction to Engineering Computation			\$30
		131	Lab	Design of Mechanisms			\$30
		133	Lab	Introduction to Mechatronics			\$30
		144	Lab	Introduction to Robotics	Electrical Engineering	144	\$30
		156	Lab	Mechanical Behavior of Materials			\$30
		170A	Lab	Experimental Techniques			\$30
		170B	Lab	Experimental Techniques			\$30
		175B	Lab	Mechanical Engineering Design			\$30
		175C	Lab	Mechanical Engineering Design			\$30
		180	Lab	Optics and Lasers in Engineering			\$30

School of Business Administration

	Management	404	Lec	Com, Leadership, Teams, and Ethics			\$168
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Graduate School of Education

	Education	265A	Sem	Practicum in School Psychology: Introductory			\$20
		265B	Sem	Practicum in School Psychology: Basic			\$20
		265C	Sem	Practicum in School Psychology: Advanced			\$20

	265D	Sem	Practicum in School Psychology: Clinical			\$20
	265E	Sem	Practicum in School Psychology: Supervision			\$20