



GRADUATE COURSES SCHEDULE, FALL 2019

Code	Course Name	Instructor	Day	Class Start	Class End	Start Time	End Time	Room Number	Building	Tuition	Books (Required or Recommended)	Book Fee	
BIOCHEMISTRY, CHEMISTRY, PHARMACOLOGY, AND TOXICOLOGY													
BIOC 301	Biochemistry I	Ho, Mitchell	M	9/9/2019	12/23/2019	5:30 PM	8:30 PM	Room 134	BLDG60	\$531.00	Nelson DL., Cox MM. Lehninger Principles of Biochemistry.7th ed.	\$285.00	
BIOC 330	Principles of Protein Structure	Shaw, Porsha		CANCELLED FOR FALL 2019				CANCELLED FOR FALL 2019	-		CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019	
CHEM 101	General Chemistry I	Luderman, Kathryn		CANCELLED FOR FALL 2019				CANCELLED FOR FALL 2019	-		CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019	
PHAR 328	FDA Perspective on Drug Development	Ghantous, Hanan	Th	9/12/2019	12/19/2019	5:45 PM	7:45 PM	B1C204	BLDG10	\$354.00	no textbook		
PHAR 401	Medical Pharmacology	Shukla, Suneet	W	9/11/2019	12/11/2019	5:00 PM	8:00 PM	B1C206	BLDG10	\$531.00	Golan et al. Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 4th ed. (recommended)	\$92.99	
PHAR 500	Principles of Clinical Pharmacology - ONLINE	Cordes, Lisa	T	11/1/2019	6/30/2020	Online	Online	Online	Online	\$708.00	Go to ocr.od.nih.gov/courses/principles-clinical-pharmacology.html for further course information		
TOXI 303	Introduction to Toxicology	Bourdi, Mohammed		CANCELLED FOR FALL 2019				CANCELLED FOR FALL 2019	-		CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019	
BIOINFORMATICS AND DATA SCIENCE													
BIOF 309	Introduction to Python	Skarzynski, Martin	Th	9/12/2019	12/19/2019	6:00 PM	8:00 PM	B1C209-211	BLDG10	\$354.00	Grus J. Data Science from Scratch: First Principles with Python. 2nd ed. (recommended)	\$59.99	
											Muller AC., Guido S. Introduction to Machine Learning with Python: A Guide for Data Scientists. 1st ed. (recommended)	\$60.00	
BIOF 339	Practical R	Dasgupta, Abhijit	W	9/11/2019	12/11/2019	5:00 PM	7:00 PM	B1C209	BLDG10	\$354.00	no textbook		
BIOF339-2	Practical R	Dasgupta, Abhijit	W	9/11/2019	12/11/2019	7:00 PM	9:00 PM	B1C209	BLDG10	\$354.00	no textbook		
BIOF 399	Deep Learning for Healthcare Image Analysis	Tetreault, Jesse	M	9/9/2019	12/23/2019	5:00 PM	7:00 PM	B1C208	BLDG10	\$354.00	Goodfellow I. Deep Learning. 1st ed. (recommended)	\$80.00	
BIOF 501	Introduction to R: Step-by-Step Guide	Ko, Kyung	Th	9/12/2019	12/19/2019	5:30 PM	7:30 PM	Rathskeller	BLDG60	\$354.00	Cotton R. Learning R: A Step-by-Step Function Guide to Data Analysis. 1st ed. (recommended)	\$49.99	
BIOF 509	Applied Machine Learning	Skarzynski, Martin	W	9/11/2019	12/11/2019	6:00 PM	8:00 PM	Rathskeller	BLDG60	\$354.00	Grus J. Data Science from Scratch: First Principles with Python. 2nd ed. (recommended)	\$59.99	
											Muller AC., Guido S. Introduction to Machine Learning with Python: A Guide for Data Scientists. 1st ed. (recommended)	\$60.00	
BIOF 518	Theoretical and Applied Bioinformatics	Tatusova, Tatiana	M	9/9/2019	12/23/2019	5:30 PM	8:30 PM	Room 2-3330	BLDG10	\$531.00	no textbook		
MATH 127	Elementary Calculus I	Souto-Maior, Caetano	T	9/10/2019	12/10/2019	6:00 PM	9:00 PM	B1C204	BLDG10	\$531.00	Stewart J., Day T. Biocalculus: Calculus, Probability, and Statistics for the Life Sciences. 1st ed. (recommended)	\$249.95	
											Stewart J. Calculus. 8th ed. (recommended)	\$299.95	
MATH 215	Introduction to Linear Algebra With Applications in Statistics	Souto-Maior, Caetano	W	9/11/2019	12/11/2019	6:00 PM	9:00 PM	B1C2011	BLDG10	\$531.00	Strang G. Introduction to Linear Algebra. 5th ed. (required)	\$97.50	
											Hefferon J. Linear Algebra. 3rd ed. (recommended)	\$29.00	
BIOLOGY, GENETICS AND MEDICINE													
BIOL 101	Foundations in Biomedical Science I (7 weeks) - ONLINE	Maris, Melinda	Online	9/9/2019	10/25/2019	Online	Online	Online	Online	\$354.00	Alberts B. Essential Cell Biology. 5th ed. (required)	\$187.00	
BIOL 102	Foundations in Biomedical Science II (7 weeks) - ONLINE	Maris, Melinda	Online	10/28/2019	12/13/2019	Online	Online	Online	Online	\$354.00	Alberts B. Essential Cell Biology. 5th ed. (required)	\$187.00	
BIOL 222	Genomics in Modern Society - ONLINE HYBRID	Tiso, Mauro		In-person Meeting: 10/23, 6:00PM		9/9/2019	12/13/2019	Online	Online	1N241 - FAES Conference Room	BLDG10	\$354.00	no textbook
BIOL 262	Research Tools for Studying Diseases	Kesner, Andrew	M	9/9/2019	12/23/2019	5:15 PM	7:15 PM	B1C209	BLDG10	\$25.00	no textbook		
BIOL 325	Human Neuroscience	Haq, Nowreen	W	9/11/2019	12/11/2019	5:00 PM	8:00 PM	Room 2-3330	BLDG10	\$531.00	Bear et al. Neuroscience: Exploring the Brain. 4th ed. (required)	\$131.99	
BIOL 356	Connective Tissue Biology	Makareeva, Elena		CANCELLED FOR FALL 2019				CANCELLED FOR FALL 2019	-		CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019	
BIOL 425	RNA Interference and CRISPR (7 weeks)	John, Sinu	M	9/9/2019	10/28/2019	5:30 PM	7:30 PM	B1C211	BLDG10	\$177.00	no textbook		
GENE 500 I	Introduction to Medical Genetics I	Hart, Suzanne	T	9/10/2019	12/10/2019	5:30 PM	7:30 PM	Room 5328	BLDG50	\$354.00	Nussbaum R. Genetics in Medicine. 8th ed. (required)	\$59.99	
GENE 505	Embryology, Developmental Biology, and Human Malformations	Biesecker, Leslie	W	9/11/2019	12/11/2019	5:30 PM	6:30 PM	Room 5328	BLDG50	\$177.00	Carlson BM. Human Embryology and Developmental Biology. 6th ed. (required)	\$78.99	
GENE 510	Genetic Counseling: Professional Topics Seminar	Erby, Lori	F	9/6/2019	12/20/2019	1:30 PM	3:30 PM	B1E12/14	BLDG31	\$708.00	no textbook		
MEDI 275	Fundamental Principles of Histology (7 weeks)	Mine, Sohtaro	T & Th	9/10/2019	10/24/2019	5:00 PM	7:00 PM	Room 5-2550	BLDG10	\$354.00	no textbook		
MEDI 311	Principles of Endocrinology	Krauthamer, Victor	W	9/11/2019	12/11/2019	5:00 PM	7:00 PM	B1C210	BLDG10	\$100.00	Holt R., Hanley N. Essential Endocrinology and Diabetes. 6th ed. (required)	\$71.75	
											Epstein RH. Aroused: The history of hormones and how they control just about everything. 1st ed. (recommended)	\$26.95	
MEDI 317	Human Physiology I	Krauthamer, Victor	Th	9/12/2019	12/19/2019	5:00 PM	7:00 PM	B1C208	BLDG10	\$354.00	Koepfen BM., Stanton B. Berne and Levy Physiology. 7th ed. (required)	\$119.99	
IMMUNOLOGY AND MICROBIOLOGY													
IMMU 403	Basic Principles of Immunology and Hypersensitivity	Maciel, Milton	W	9/11/2019	12/11/2019	5:30 PM	7:30 PM	B1C205-207	BLDG10	\$354.00	Murphy K. Janeway's Immunobiology. 9th ed. (required)	\$200.00	
IMMU 403-O	Basic Principles of Immunology and Hypersensitivity - ONLINE	Cummings, Patrick	Online	9/9/2019	12/13/2019	Online	Online	Online	Online	\$354.00	Murphy K. Janeway's Immunobiology. 9th ed. (required)	\$200.00	
IMMU 419	Cancer Immunotherapy	Sharon, Elad	M	9/9/2019	12/23/2019	5:30 PM	7:30 PM	B1C205	BLDG10	\$354.00	no textbook		
IMMU 521	Molecular and Cellular Mechanisms of Immunity I	Henkart, Pierre	Th	9/12/2019	12/19/2019	5:30 PM	7:30 PM	B1C205	BLDG10	\$354.00	Murphy K. Janeway's Immunobiology. 9th ed. (required)	\$200.00	
MICR 317	Molecular Virology	Arya, Suresh	M	9/9/2019	12/23/2019	5:30 PM	7:30 PM	B1C208	BLDG10	\$354.00	no textbook		
MICR 325	Molecular Microbiology	Losada Brown, Liliana	Th	9/12/2019	12/19/2019	6:00 PM	9:00 PM	Room 3-2550	BLDG10	\$531.00	Madigan MT. Brock Biology of Microorganisms. 15th ed. (recommended)	\$247.00	

Early or Late Start Date



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LANGUAGES AND GENERAL STUDIES												
ENGL 105	Fundamental English Conversation I	Miller, Fran	M	9/9/2019	12/23/2019	4:15 PM	7:05 PM	Room 5-1608	BLDG10	\$100.00	Saslow & Ascher. Top Notch 3. 3rd. ed. (required)	\$55.00
ENGL 205	Intermediate English Conversation I	Miller, Fran	M	9/9/2019	12/23/2019	7:05 PM	9:55 PM	Room 5-1608	BLDG10	\$480.00	Saslow & Ascher. Summit 1. 3rd ed. (required)	\$54.75
ENGL 305	Advanced English Written Grammar I	Miller, Fran	T	9/10/2019	12/10/2019	4:15 PM	7:05 PM	Room 3-2550	BLDG10	\$480.00	Maurer J. Focus on Grammar 5. 5th. ed. (required)	\$58.75
ENGL 355	Advanced English Conversation: Language, Culture, and Medicine	Kagan, Jennifer	T & Th	9/10/2019	12/5/2019	4:00PM	5:30PM	B1C204	BLDG10	\$480.00	no textbook	
ENGL 375	Lunchtime Professional English Series: English for Better Workplace Communication	Kagan, Jennifer	T & Th	9/10/2019	12/5/2019	1:00 PM	2:30 PM	B1C204	BLDG10	\$480.00	no textbook	
GENL 275	Introductory American Sign Language	Dunham, Michael	Th	9/12/2019	12/19/2019	5:00 PM	8:00 PM	B1C207	BLDG10	\$100.00	no textbook	
GENL 319	MCAT Review and Test Preparation	Barisic, Stefan	M & W	9/4/2019	12/18/2019	5:30 PM	7:30 PM	2C116 - FAES Education Suite	BLDG10	\$640.00	The Princeton Review MCAT Subject Review Complete Box Set. 3rd ed. (recommended)	\$225.00
GENL 322-1	GRE Review (7 weeks) - ONLINE	Sissung, Tristan	Online	9/9/2019	10/25/2019	Online	Online	Online	Online	\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL 322-2	GRE Review (7 weeks) - ONLINE	Sissung, Tristan	Online	10/28/2019	12/13/2019	Online	Online	Online	Online	\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL 411	Human Nutrition: Macronutrients and Micronutrients	Swartout, Jennifer	CANCELLED FOR FALL 2019		-	CANCELLED FOR FALL 2019		-	-	-	CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019
SPAN 101	Spanish for Beginners I	Segura, Humberto	W	9/11/2019	12/11/2019	5:00 PM	8:00 PM	B1C204	BLDG10	\$480.00	Contact Instructor at dr.segu@yahoo.com for book information	
SPAN 208	Spanish for Healthcare Providers	Segura, Humberto	T	9/10/2019	12/10/2019	5:00 PM	8:00 PM	B1C207	BLDG10	\$480.00	Rios J. McGraw-Hill's Complete Medical Spanish. 3rd ed. (required)	\$22.00
PUBLIC HEALTH												
PBHL 500	Introduction to Global Health	Farhat, Tilda	Th	9/12/2019	12/19/2019	6:00 PM	8:00 PM	Room 2-3330	BLDG10	\$100.00	Kolnik R. Global Health 101. 3rd ed. (required)	\$93.95
PBHL 517	Health Policy and Administration	Wood, Brandon	Th	9/12/2019	12/19/2019	6:00 PM	9:00 PM	B1C206	BLDG10	\$531.00	Kovner AR., Knickman JR. Health Care Delivery in the United States. 12th ed. (required)	\$95.00
PBHL 521	Cancer Screening (7 weeks)	Marcus, Pamela	W	10/30/2019	12/11/2019	4:00PM	6:00PM	SG 1E030	NCI Shady Grove	\$177.00	no textbook	
PBHL 580	Health Economics and Econometrics Applied to the Evaluation of Research	Hamann, Sue	W	9/11/2019	12/11/2019	5:30 PM	8:30 PM	Room 3-2550	BLDG10	\$531.00	Fealing et al. (eds). Measuring the Economic Value of Research: The Case of Food Safetv. 1st ed. (required) Angrist JD., Pischke JS. Mastering Metrics: The Path from Cause to Effect. 1st ed. (required)	\$110.00 \$35.00
PBHL 607	Capstone Project in Public Health	Marcus, Stephen	By appointment with instructor	9/9/2019	12/13/2019	n/a	n/a	n/a	n/a	\$531.00	no textbook	
STAT 200	Experimental Statistics I	Fede, Samantha	M	9/9/2019	12/23/2019	5:30 PM	8:30 PM	B1C206	BLDG10	\$531.00	Field et al. Discovering Statistics Using R. 1st ed. (required)	\$96.00
STAT 317	Introduction to Epidemiology - ONLINE	Hirsch, Robert	Online	9/9/2019	12/13/2019	Online	Online	Online	Online	\$531.00	no textbook	
STAT 321	Methodology in Clinical Trials	Rosenberg, Yves	W	9/11/2019	12/11/2019	5:30 PM	8:30 PM	B1C208	BLDG10	\$531.00	Friedman LM. Fundamentals of Clinical Trials. 5th ed. (required)	\$84.99
STAT 330	Introduction to SAS (7 weeks)	Li, Jeffrey	T & Th	9/10/2019	10/24/2019	6:00 PM	8:00 PM	Room 134	BLDG60	\$354.00	no textbook	
STAT 500	Statistics for Biomedical Scientists I	Shah, Deven	T	9/10/2019	12/10/2019	5:00 PM	8:00 PM	B1C209-211	BLDG10	\$531.00	Rosner B. Fundamentals of Biostatistics. 8th ed. (required)	\$199.95
STAT 500 II	Statistics for Biomedical Scientists II - ONLINE	Hirsch, Robert	Online	9/9/2019	12/13/2019	Online	Online	Online	Online	\$531.00	no textbook	
TECHNOLOGY TRANSFER, BUSINESS, AND INDUSTRY												
TECH 490	Communication in Biomedical Sciences (7 weeks)	Reczek, Peter	T	10/29/2019	12/10/2019	5:30 PM	7:30 PM	TBA	BLDG10	\$177.00	no textbook	
TECH 495	The FDA: Science, Health Policy, and Regulation in an Uncertain Environment	Bachorik, Lawrence	T	9/10/2019	12/10/2019	5:15 PM	7:15 PM	B1C206	BLDG10	\$354.00	Hiits PJ. Protecting America's Health: the FDA, Business, and One Hundred Years of Regulation. 1st ed. (required)	\$37.50
TECH 513A	Introduction to Technology Transfer - Issues and Processes (11 weeks)	Leshuk, Richard	T	9/10/2019	11/19/2019	6:00 PM	9:00 PM	B1C205	BLDG10	\$354.00	no textbook	
TECH 521	Tools for Technology Transfer Managers - Handling Intellectual Property in Collaborations, and Agreements	Goldstein, Bruce	M	9/9/2019	12/23/2019	5:30 PM	7:30 PM	B1C204	BLDG10	\$354.00	no textbook	
TECH 565	Biomedical Business Development for Scientists	Salgaller, Michael	Th	9/19/2019	12/19/2019	5:30 PM	7:30 PM	B1C210	BLDG10	\$354.00	no textbook	
TECH 567	International Strategic Partnering and Business Development	Khanna, Rita	T	9/10/2019	12/10/2019	5:30 PM	7:30 PM	B1C208	BLDG10	\$100.00	no textbook	
TECH 575	Accounting and IP Valuation for Non-Accountants	Ororbia-Knapton, Diana	W	9/11/2019	12/11/2019	6:00 PM	8:00 PM	Room 134	BLDG60	\$354.00	Label WA. Accounting for Non-Accountants: The Fast and Easy Way to Learn the Basics. 3rd ed. (required)	\$16.99
TECH 583	Patent Research for Scientists and Engineers	Tedeschi, Steven	CANCELLED FOR FALL 2019		-	CANCELLED FOR FALL 2019		-	-	-	CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019
TECH 588	FDA Regulatory Strategy in Medical Product Development	Koushik, Srinagesh	M	9/9/2019	12/23/2019	5:30 PM	7:30 PM	1N241 - FAES Conference Room	BLDG10	\$354.00	no textbook	
TECH 607	Capstone Course in Technology Transfer	Ferguson, Steven	CANCELLED FOR FALL 2019		-	CANCELLED FOR FALL 2019		-	-	-	CANCELLED FOR FALL 2019	CANCELLED FOR FALL 2019

Early/Late Start/End Date