



FALL 2020 SESSION A SCHEDULE

Code	Course Name	Lead Instructor	Credit	Tuition	Books (Required or Recommended)	Book Fee
BIOCHEMISTRY, CHEMISTRY, PHARMACOLOGY, AND TOXICOLOGY						
BIOC 301	Biochemistry I, part 1	Inderroop Singh	2	\$500.00	Nelson DL. Lehninger Principles of Biochemistry, 7th ed. (required)	\$295.99
CHEM 211	Organic Chemistry I, part 1	Kathryn Luderman	2	\$500.00	no textbook	
PHAR 400	Medical Pharmacology I	Salina Gairhe	2	\$500.00	Golan DE. Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 4th ed. (required)	\$94.99
PHAR 500	Principles of Clinical Pharmacology	Lisa Cordes	4	\$1,000.00	Go to ocr.od.nih.gov/courses/principles-clinical-pharmacology.html for further course information	
BIOINFORMATICS AND DATA SCIENCE						
BIOF 309	Introduction to Python	Sara Bandres Ciga	2	\$500.00	no textbook	
BIOF 339	Practical R	Abhijit Dasgupta	2	\$500.00	no textbook	
BIOF 399	Deep Learning for Healthcare Image Analysis I	Krystyna Olmstead	2	\$500.00	no textbook	
BIOF 501	Introduction to R: Step-by-Step Guide	Kyng Dae Ko	2	\$500.00	Cotton R. Learning R: A Step-by-Step Function Guide to Data Analysis. 1st ed. (recommended)	\$49.99
BIOF 509	Applied Machine Learning	James Anibal	2	\$500.00	Muller S and Guido AC. Introduction to Machine Learning with Python. 1st ed. (recommended)	\$60.00
BIOF 518	Theoretical and Applied Bioinformatics I	Tatiana Tatusova	2	\$500.00	Ramsden J. Bioinformatics: An Introduction. 3rd ed. (required)	\$84.99
MATH 215	Introduction to Linear Algebra With Applications in Statistics, part 1	Caetano Souto-Maior	2	\$500.00	Strang G. Introduction to Linear Algebra. 5th ed. (required)	\$94.99
STAT 203	Experimental Statistics II, part 1	Andrew Lauziere	2	\$100.00	Weiss NA. Introductory Statistics. 10th ed. (required)	\$240.00
STAT 500	Statistics for Biomedical Scientists I, part 1	Deven Shah	2	\$500.00	Rosner B. Fundamentals of Biostatistics. 8th ed. (required)	\$199.95
BIOLOGY, GENETICS AND MEDICINE						
BIOL 262	Research Tools for Studying Diseases I*	Phillip Ryan	1	\$25.00*	no textbook	
BIOL 325	Human Neuroscience I	Jacob Nordman	2	\$500.00	Kandel E et al. Principles of Neural Science. 5th ed. (required)	\$98.00
BIOL 327	Modern Embryonic and Developmental Biology** - Full Semester	Yosuke Mukoyama	2	\$500.00	Gilbert SF. Developmental Biology. 12th ed. (required)	\$187.95
GENE 500	Introduction to Medical Genetics I	Suzanne Hart	1	\$250.00	Nussbaum et al. Thompson & Thompson Genetics in Medicine. 8th ed. (required)	\$59.99
GENE 510	Genetic Counseling: Professional Topics Seminar I	Lori Erby	1	\$500.00	no textbook	
GENE 518	Medical Genetics and Genomic Medicine: From Diagnosis to Treatment I	Suzanne Hart	1	\$250.00	no textbook	
MEDI 317	Human Physiology I	Soumya Sundara Rajan	2	\$500.00	no textbook	
MEDI 501	Principles of Preclinical Translational Science - NEW*	Jessica Faupel-Badger	1	\$50.00*	no textbook	
IMMUNOLOGY AND MICROBIOLOGY						
IMMU 325	The Human Microbiome: New Concepts in Health and Disease	Daria Piacentino	1	\$250.00	Knight R et al. Follow Your Gut: How the Ecosystem in Your Gut Determines Your Health, Mood, and More (required)	\$16.99
IMMU 403	Basic Principles of Immunology and Hypersensitivity	Joselyn Allen	2	\$500.00	Murphy K. Janeway's Immunobiology. 9th ed. (required)	\$200.00
IMMU 419	Cancer Immunotherapy	Elad Sharon	2	\$500.00	no textbook	
MICR 317	Molecular Virology I	Helena Fabryova	1	\$250.00	Flint J et al. Principles of Virology. 4th ed. (recommended)	\$180.00
MICR 325	Molecular Microbiology I - NEW	Tiffany Zarrella	2	\$500.00	Parker N et al. Microbiology. 1st ed. (required)	\$71.00
MICR 418	Emerging Infectious Diseases I	Tiffany Zarrella	2	\$500.00	Ryan ET et al. Hunter's Tropical medicine and emerging infectious diseases. 10th ed. (required)	\$199.99
MICR 440	Emerging Viruses I - NEW	Patrick Cummings	2	\$500.00	no textbook	
LANGUAGES AND GENERAL STUDIES						
ENGL 105	Fundamental English Conversation I, part 1**	Jennifer Kagan	2	\$500.00	Saslow J and Ascher A. Top Notch 3. 3rd. ed. (required)	\$58.00
ENGL 205	Intermediate English Conversation I, part 1**	Jennifer Kagan	2	\$500.00	Saslow J and Ascher A. Summit 1. 3rd. ed. (required)	\$58.00
ENGL 365	Better English Communication: Writing and Speaking for Your Audience I - NEW	Jennifer Kagan	2	\$500.00	no textbook	
GENL 319	MCAT Review and Test Preparation: Chemistry and Physics	Kathryn Luderman	2	\$500.00	The Princeton Review MCAT Subject Review Complete Box Set. 3rd ed. (recommended)	\$225.00
PUBLIC HEALTH						
PBHL 317	Introduction to Epidemiology I	Doratha Byrd	2	\$500.00	Gordis L. Epidemiology. 5th ed. (recommended)	\$49.99
PBHL 402	Social Determinants of Health	Nancy Mimm	3	\$750.00	no textbook	
PBHL 517	Health Policy and Administration I	Brandon Wood	2	\$500.00	no textbook	
PBHL 540	Qualitative Data in Policy and Program Evaluation - NEW	Amanda Greene	2	\$500.00	Miles MB et al. Qualitative Data Analysis. 4th ed. (required)	\$85.00
TECHNOLOGY TRANSFER, BUSINESS, AND INDUSTRY						
TECH 491	Market Assessment for Innovative Technologies in Biomedical Sciences - NEW	Eric Langer	2	\$500.00	no textbook	
TECH 565	Biomedical Business Development for Scientists** - Full Semester	Michael Salgaller	2	\$500.00	no textbook	
TECH 607	Capstone Course in Technology Transfer - Full Semester	Steve Ferguson	3	\$750.00	no textbook	

*Contact FAES at (301)496-7976 or registrar@faes.org to register for this course.

**Contact faculty for specific schedule.