

FAES GRADUATE SCHOOL COURSE SCHEDULE FOR SPRING 2019

Code	Course Name	Day	Class Start	Class End	Start Time	End Time	Room Number	Building	Tuition	Books (Required or Recommended)	Book Fee
BIOCHEMISTRY, CHEMISTRY, PHARMACOLOGY, AND TOXICOLOGY											
BIOC101	Biochemistry in Health and Diseases		Canceled						\$336.00	Liebman MA. Mark's Essential Medical Biochemistry, 2nd ed. (recommended)	\$78.99
BIOC302	Biochemistry II	M	2/4/2019	5/20/2019	5:15 PM	8:15 PM	2//3330	10	\$504.00	Nelson DL. Lehninger Principles of Biochemistry. 7th ed. (required)	\$285.00
BIOC505	Emerging Trends in Membrane Biology: Advanced Cell Trafficking		Canceled								
BIOC532	Biological Importance of Modifications in DNA and Chromatin		Canceled						\$336.00	no textbook	
CHEM102	General Chemistry II	Th	2/7/2019	5/16/2019	5:00 PM	8:00 PM	3//2550	10	\$504.00	Jespersen ND. Chemistry: The Molecular Nature of Matter 7th ed. (required)	\$287.95
CHEM212	Organic Chemistry II	M	2/4/2019	5/20/2019	5:00 PM	8:00 PM	3//2550	10	\$504.00	Klein D. Organic Chemistry. 2nd ed. (required)	\$59.00
CHEM327	The Art of Drug Design and Discovery - Frederick	W	2/6/2019	5/15/2019	5:30 PM	7:30 PM	NCI Frederick Campus, 121	376	\$336.00	Silverman R. The Organic Chemistry of Drug Design and Drug Action. 3rd ed. (required)	\$99.95
PHAR400	Pharmacology	W	2/6/2019	5/22/2019	5:30 PM	8:30 PM	2//3330	10	\$504.00	Golan DE. Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 4th ed. (recommended)	\$92.99
PHAR500	Principles of Clinical Pharmacology - ONLINE		Online						\$672.00	no textbook	
PHYS333	Principles of Medical Imaging (10 weeks)	Th	2/14/2019	4/18/2019	5:00 PM	8:00 PM	B1C208	10	\$336.00	Bushberg et al. The Essential Physics of Medical Imaging. 3rd ed. (recommended) Cho et al. Foundations of Medical Imaging. 1st ed. (recommended)	\$224.99 \$235.00
BIOINFORMATICS AND DATA SCIENCE											
BIOF309	Introduction to Python	T	2/5/2019	5/14/2019	5:30 PM	7:30 PM	162	60	\$336.00	Guido S. et al. Introduction to Machine Learning with Python: A Guide for Data Scientists, 4th ed. (recommended) McKinney W. Python for Data Analysis: Data Wrangling with Pandas, NumPy, and Ipython. 2nd ed. (recommended)	\$49.99 \$59.99
BIOF395	Introduction to Text Mining - NEW		Canceled								
BIOF399	Deep Learning for Healthcare Image Analysis - NEW	M	2/4/2019	5/20/2019	5:00 PM	7:00 PM	B1C205	10	\$336.00	Goodfellow I. Deep Learning, 1st ed. (recommended)	\$80.00
BIOF439	Data Visualization with R (7 weeks) - NEW	W	4/3/2019	5/15/2019	5:30 PM	8:00 PM	Rathskeller	60	\$168.00	no textbook	
BIOF450	Bioinformatics, Computational Biology, and Evolutionary Genomics	M	2/4/2019	5/20/2019	5:30 PM	8:30 PM	B1C207	10	\$504.00	Page R. Molecular Evolution. A Phylogenetic Approach, 1998 (recommended) Felsenstein J. Inferring Phylogenies, 2004 (recommended)	\$133.00 \$118.95
BIOF475	Introduction to New Technologies in Data Science		Canceled								
BIOF509	Applied Machine Learning	Th	2/7/2019	5/16/2019	5:30 PM	7:30 PM	Rathskeller	60	\$336.00	no textbook	
BIOF521	Bioinformatics for Analysis of Data Generated by Next Generation Sequencing	T	2/5/2019	5/14/2019	5:30 PM	8:30 PM	B1C205	10	\$504.00	no textbook	
BIOF529	Super R with Shiny!	Th	2/7/2019	5/16/2019	5:30 PM	7:30 PM	134	60	\$336.00	Beeley C. Web Application Development with R Using Shiny. 2nd ed. (recommended)	\$52.50
MATH128	Elementary Calculus II		Canceled								
BIOLOGY AND GENETICS											
BIOL102	Introduction to Genetics	Th	2/7/2019	5/16/2019	6:00 PM	8:00 PM	B1C204	10	\$336.00	Klug WS. Essentials of Genetics. 9th ed. (required)	\$164.00
BIOL254	Non-Coding RNAs (miRNAs, lncRNAs, and circRNAs) and Exosomes: Biology and Diseases (8 weeks)	M	2/4/2019	4/1/2019	5:30 PM	7:30 PM	5//2550	10	\$168.00	no textbook	
BIOL332	Introduction to Nanomedicine (8 weeks)		Canceled								
BIOL342	Post-Translational Modifications of Proteins (8 weeks)		Canceled						\$168.00	no textbook	
BIOL385	The Biology of Aging	T	2/5/2019	5/14/2019	5:15 PM	7:15 PM	B1C207	10	\$100.00	no textbook	
GENE500	Introduction to Medical Genetics II	T	2/5/2019	5/14/2019	5:30 PM	7:30 PM	5328	50	\$336.00	no textbook	
GENE510	Genetic Counseling: Professional Topics Seminar	F	1/25/2019	5/17/2019	1:30 PM	3:30 PM	B1E12/14	31	\$672.00	no textbook	
GENE514	Current Concepts in Clinical Molecular Genetics and Molecular Diagnostics	Th	2/7/2019	5/16/2019	5:30 PM	6:30 PM	5328	50	\$168.00	no textbook	
GENE644	Review of Medical Genetics	W	2/6/2019	5/15/2019	5:30 PM	7:30 PM	5328	50	\$672.00	no textbook	
IMMUNOLOGY AND MICROBIOLOGY											
IMMU325	The Human Microbiome: New Concepts in Health and Disease (7 weeks)	T	3/19/2019	4/30/2019	5:30 PM	7:30PM	Rathskeller	60	\$168.00	no textbook	
IMMU369	Epidemics, Vaccines, and Prevention (7 weeks) - NEW	M	2/4/2019	4/1/2019	5:00 PM	7:30 PM	B1C208	10	\$168.00	no textbook	
IMMU522	Molecular and Cellular Mechanisms of Immunity II	W	2/6/2019	5/22/2019	5:30 PM	7:30 PM	B1C206	10	\$336.00	no textbook	
MICR418	Emerging Infectious Diseases	W	2/6/2019	5/22/2019	5:30 PM	8:30 PM	B1C205	10	\$504.00	Contact instructor at emerging_infectious_diseases@verizon.net for book information.	approx. \$200
MICR432	Human Virology		Canceled						\$336.00	Flint SJ et al. Title: Principles of Virology. Vol 1&2. (recommended) Collier et al. Human Virology. 5th ed. (recommended)	\$180.00 \$65.00
LANGUAGES AND GENERAL STUDIES											
ENGL108	Fundamental English Conversation II	M	2/4/2019	5/13/2019	4:15 PM	6:45 PM	5//1608	10	\$480.00	Saslow & Ascher. Top Notch 3. 3rd. ed. (required)	\$39.50
ENGL108	Fundamental English Conversation II	T	2/5/2019	5/14/2019	6:50 PM	9:20 PM	3//2550	10	\$480.00	Saslow & Ascher. Top Notch 3. 3rd. ed. (required)	\$39.50
ENGL207	Intermediate English Conversation II	M	2/4/2019	5/13/2019	6:50 PM	9:20 PM	5//1608	10	\$480.00	Saslow & Ascher. Summit 1. 3rd ed. (required)	\$54.75
ENGL306	Advanced English Written Grammar II	T	2/5/2019	5/14/2019	4:15 PM	6:45 PM	3//2550	10	\$100.00	Maurer J. Focus on Grammar 5. 5th ed. (required)	\$58.75
ENGL308	Practice Your American English Pronunciation		Canceled						\$320.00	Grant L. Well Said: Pronunciation for Clear Communication. 4th ed. (required)	\$68.95
ENGL355	Advanced English Conversation: Language, Culture, and Medicine (10 weeks) - NEW	T & Th	2/5/2019	4/11/2019	4:00 PM	5:30 PM	B1C204	10	\$480.00	Gawande A. Better. (required)	\$17.00
ENGL375	Luncheon Professional English Series: English for Better Workplace Communication (10 weeks) - NEW	T & Th	2/5/2019	4/11/2019	1:00 PM	2:30 PM	Graduate Student Lounge	10	\$480.00	no textbook	
GENL099	Argentine Tango 201: Learn and Dance! (7 weeks)		Canceled						\$160.00	no textbook	
GENL195	Mindfulness and Stress Reduction (8 weeks)	F	4/5/2019	5/31/2019	4:00 PM	6:30 PM	Shanti Yoga Ashram, 4217 East-West Hwy, Bethesda, MD		\$320.00	Ameli R. 25 Lessons In Mindfulness: Now Time for Healthy Living (required)	\$19.95
GENL319	MCAT Review and Test Preparation (16 weeks)	M & W	2/4/2019	5/22/2019	5:30 PM	7:30 PM	B1C209	10	\$640.00	Princeton Review. MCAT Subject Review. 3rd ed. (recommended)	\$225.00
GENL322-1-O	GRE Review (7 weeks) - ONLINE	T	2/5/2019	3/26/2019	Online				\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL322-2-O	GRE Review (7 weeks) - ONLINE	T	3/26/2019	5/14/2019	Online				\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL355	The Poetry of Science, the Science of Poetry (8 weeks) - NEW	Th	2/28/2019	4/18/2019	6:00 PM	8:00 PM	B1C209	10	\$160.00	Williams M. Patterns of Poetry. (required) Finch et al. Villanelles. 1st ed. (recommended)	\$20.95 \$14.95

GENL505	The Forms and Functions of Science Communication (7 weeks) - NEW																Canceled
GENL511	Fundamentals of Teaching - Theory and Practice																Canceled
SPAN102	Spanish for Beginners II	W	2/6/2019	5/15/2019	5:00 PM	8:00 PM	B1C204		10	\$480.00	Dorwick T. Puntos de Partida, 10th ed. (required)						\$200.00
SPAN208	Spanish for Health Care Providers	T	2/5/2019	5/14/2019	5:00 PM	8:00 PM	B1C208		10	\$480.00	Rios J. McGraw-Hill's Complete Medical Spanish. 3rd ed. (required)						\$22.00
MEDICINE AND PHYSIOLOGY																	
MEDI234	Precision Medicine (8 weeks)	W	3/13/2019	5/1/2019	5:30 PM	7:30 PM	B1C211		10	\$168.00	no textbook						
MEDI318	Human Physiology II	W	2/6/2019	5/15/2019	5:00 PM	7:00 PM	B1C208		10	\$100.00	Koepfen BM. Berne and Levy Physiology, 7th ed. (required)						\$119.99
MEDI335	Pathophysiology of Common Gastrointestinal and Metabolic - NEW	Th	2/7/2019	5/16/2019	5:00 PM	7:00 PM	B1C207		10	\$336.00	no textbook						
MEDI339	Introduction to Cancer Biology	Th	2/7/2019	5/16/2019	5:30 PM	7:30 PM	B1C211		10	\$336.00	Weinberg RA. The Biology of Cancer. 2nd ed. (recommended)						\$209.00
MEDI345	Human Anatomy	T	2/5/2019	5/14/2019	6:30 PM	8:30 PM	B1C206		10	\$336.00	Moore KL. Clinically Oriented Anatomy. 7th ed. (recommended)						\$99.99
MEDI507	Inborn Errors of Metabolism	M	2/4/2019	5/20/2019	5:30 PM	8:00 PM	CONF-5		50	\$504.00	Nyhan et al. Atlas of Inherited Metabolic Disease, 3rd ed. (recommended)						\$239.00
MEDI510	Advances in Metastasis Research (7 weeks) - NEW									\$168.00	no textbook						
PUBLIC HEALTH																	
PBHL501	Environmental Health Sciences	W	2/6/2019	5/22/2019	5:30 PM	8:30 PM	B1C207		10	\$100.00	Frumkin H. Environmental Health: From Global to Local, 3rd ed. (required)						\$110.00
PBHL510	Alcohol Across the Lifespan - NEW									\$336.00	no textbook						
PBHL512	Social and Behavioral Sciences	T	2/5/2019	5/14/2019	5:00 PM	8:00 PM	B1C211		10	\$504.00	no textbook						
PBHL518	Introduction to Program Evaluation for Planning, Improvement, and Measurement - ONLINE									\$504.00	no textbook						
PBHL521	Cancer Screening (8 weeks)									\$168.00	no textbook						
PBHL527	Healthcare Management - NEW	Th	2/7/2019	5/16/2019	6:00 PM	9:00 PM	2//3330		10	\$504.00	Ledlow et al. Leadership for Health Professionals: Theory, Skills and Applications, 3rd ed. (required)						\$111.95
PBHL537	Health Policy Analysis Using SAS and STATA - NEW	M	2/4/2019	5/20/2019	5:15 PM	8:15 PM	B1C206		10	\$504.00	Jull S. An Introduction to Stata for Health Researchers, 4th ed. (recommended)						\$87.95
PBHL607	Capstone Project in Public Health									\$504.00	no textbook						
STAT200	Experimental Statistics II	M	2/4/2019	5/20/2019	5:30 PM	8:30 PM	134		60	\$504.00	no textbook						
STAT325-O	Epidemiologic Research Methods - ONLINE									\$504.00	Kleinbaum et al. Epidemiologic Research: Principles and Quantitative Methods. 1st ed. (required)						\$199.00
STAT430	Advanced SAS (10 weeks) - NEW	Th	2/7/2019	4/11/2019	6:00 PM	8:30 PM	B1C205		10	\$336.00	no textbook						
STAT500-II	Statistics for Biomedical Scientists II	T	2/5/2019	5/14/2019	5:00 PM	8:00 PM	B1C209		10	\$504.00	Rosner & Bernard. Fundamentals of Biostatistics. 8th ed. (required)						\$199.95
STAT500 I-O	Statistics for Biomedical Scientists I - ONLINE									\$504.00	Hirsch RP. Introduction to Biostatistical Applications in Health Research with Microsoft Office Excel. Book and Accompanying Workbook. 1st ed. (required)						\$159.95
TECHNOLOGY TRANSFER, BUSINESS, AND INDUSTRY																	
TECH508	Regulatory Affairs and FDA Regulation	M	2/4/2019	5/20/2019	6:00 PM	8:00 PM	CONF-C, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$336.00	no textbook						
TECH513	Introduction to Technology Transfer	Th	2/7/2019	5/16/2019	5:30 PM	7:30 PM	CONF-B, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$336.00	no textbook						
TECH528	Preclinical Evaluation of Novel Drugs and Beyond (10 weeks)	Th	2/7/2019	4/11/2019	5:30 PM	8:00 PM	SAC, 9101 Old Georgetown Rd, Bethesda, MD			\$336.00	no textbook						
TECH565	Biomedical Business Development for Scientists	W	2/6/2019	5/22/2019	5:30 PM	7:30 PM	CONF-A, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$336.00	no textbook						
TECH566	Building a Biotech Company: Business Leadership and Management Strategies	T	2/5/2019	5/14/2019	5:30 PM	7:30 PM	CONF-B, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$336.00	Friedman Y. Building Biotechnology: Starting, Managing and Understanding Biotechnology Companies. 4th ed. (recommended)						\$91.95
TECH572	Marketing Strategies for Scientific Organizations	W	2/6/2019	5/22/2019	6:00 PM	8:00 PM	CONF-B, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$100.00	no textbook						
TECH582	Intellectual Property and Patent Prosecution for Scientists	M	2/4/2019	5/20/2019	5:30 PM	7:30 PM	CONF-A, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$336.00	Pressman D. Patent It Yourself. 19th ed. (required)						\$49.99
TECH584	Translational Medical Product Development																
TECH586	International Health Science, Technology and Innovation																
TECH607	Capstone Course in Technology Transfer	T	2/5/2019	5/14/2019	5:30 PM	8:30 PM	CONF-A, Office of Tech Transfer, 6011 Executive Blvd, Rockville, MD			\$504.00	no textbook						

Early or Late Start Date