



GRADUATE COURSES MID-TERM SCHEDULE - SPRING 2020

Code	Course Name	Instructor	Day	Class Start	Class End	Start Time	End Time	Room Number	Building	Tuition	Books (Required or Recommended)	Book Fee
BIOLOGY, GENETICS AND MEDICINE												
BIOL 101-O	Foundations in Biomedical Science I (7 weeks) - ONLINE	Melinda Maris	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$354.00	Alberts B. Essential Cell Biology, 5th ed. (required)	\$175.00
BIOL 102-O	Foundations in Biomedical Science II (7 weeks) - ONLINE	Melinda Maris		RESCHEDULED FOR SUMMER 2020		-	-	RESCHEDULED FOR SUMMER 2020		-	RESCHEDULED FOR SUMMER 2020	-
MEDI 234	Precision Medicine (7 weeks)	Sabrina Helmold Hait		RESCHEDULED FOR FALL 2020		-	-	RESCHEDULED FOR FALL 2020		-	RESCHEDULED FOR FALL 2020	-
MEDI 335	Pathophysiology of Common Gastrointestinal and Metabolic Diseases (7 weeks) - ONLINE	Jeffrey Robinson		RESCHEDULED FOR FALL 2020		-	-	RESCHEDULED FOR FALL 2020		-	RESCHEDULED FOR FALL 2020	-
IMMUNOLOGY AND MICROBIOLOGY												
IMMU 325	The Human Microbiome: New Concepts in Health and Disease (7 weeks) - ONLINE	Daria Piacentino		RESCHEDULED FOR FALL 2020		-	-	RESCHEDULED FOR FALL 2020		-	RESCHEDULED FOR FALL 2020	-
IMMU 369	Epidemics, Vaccines, and Prevention (7 weeks) - ONLINE	Arvind Shukla		RESCHEDULED FOR SUMMER 2020		-	-	RESCHEDULED FOR SUMMER 2020		-	RESCHEDULED FOR SUMMER 2020	-
LANGUAGES AND GENERAL STUDIES												
ENGL 355-2	Advanced English Conversation: Language, Culture, and Medicine (7 weeks) - ONLINE	Jennifer Kagan		RESCHEDULED FOR SUMMER 2020		-	-	RESCHEDULED FOR SUMMER 2020		-	RESCHEDULED FOR SUMMER 2020	-
GENL 322-2-O	GRE Review (7 weeks) - ONLINE	Tristan Sissung	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
TECHNOLOGY TRANSFER, BUSINESS, AND INDUSTRY												
TECH 391-O	Research Ethics I (7 weeks) - ONLINE	Greg Kelly	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$177.00	Steneck NH. ORI Introduction to the Responsible Conduct of Research. (recommended)	\$19.99
TECH 498-O	Leadership Strategies for Biomedical Sciences I (7 weeks) - ONLINE	Lynn Johnson Langer	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$354.00	no textbook	



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BIOCHEMISTRY, CHEMISTRY, PHARMACOLOGY, AND TOXICOLOGY												
BIOC 301-O	Biochemistry I - ONLINE	Inderroop Singh	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	Nelson D. Lehninger Principles of Biochemistry, 7th ed. (required)	\$295.99
BIOC 302	Biochemistry II	Seth Dickey	M	2/3/2020	5/4/2020	5:30PM	8:30PM	Room 134	BLDG 60	\$531.00	Nelson D. Lehninger Principles of Biochemistry, 7th ed. (required)	\$295.99
BIOC 532	Biological Importance of Modifications in DNA and Chromatin	Tiaojiang Xiao	T	2/4/2020	5/5/2020	5:30PM	7:30PM	Room 127	BLDG 5	\$354.00	no textbook	
PHAR 400	Pharmacology	Salina Gairhe	Th	2/6/2020	5/7/2020	5:30PM	8:30PM	B1C208	BLDG 10	\$531.00	Golan DE. Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 4th ed. (recommended)	\$94.99
PHAR 500-O	Principles of Clinical Pharmacology - ONLINE	Lisa Cordes	ONLINE	11/18/2019	7/31/2020	Online	Online	Online	Online	\$708.00	Go to ocr.od.nih.gov/courses/principles-clinical-pharmacology.html for further course information	
BIOINFORMATICS AND DATA SCIENCE												
BIOF 309-1	Introduction to Python	Martin Skarzynski	M	2/3/2020	5/4/2020	6:00PM	8:00PM	B1C209-B1C211	BLDG 10	\$354.00	Muller G. Data Science from Scratch: First Principles with Python (rec.) Geron A. Hands-On Machine Learning with Scikit-Learn and Tensor-Flow (rec.)	\$59.99 \$74.99
BIOF 309-2	Introduction to Python	John Lee	Th	2/6/2020	5/7/2020	6:00PM	8:00PM	B1C209-B1C211	BLDG 10	\$354.00	Muller G. Data Science from Scratch: First Principles with Python (rec.) Grus J. Introduction to Machine Learning with Python: A Guide for Data Scientists, 1st ed. (rec.)	\$59.99 \$60.00
BIOF 395	Introduction to Text Mining	Quingyu Chen & Yifan Peng	Th	2/6/2020	5/7/2020	6:00PM	8:00PM	B1C206	BLDG 10	\$354.00	Bird S et al. Natural Language Processing with Python: Analyzing Text with the Natural Language Toolkit. 1st ed. (recommended)	\$54.99
BIOF 439	Data Visualization with R (7 weeks)	Abhijit Dasgupta	T	2/4/2020	3/17/2020	5:00PM	7:00PM	B1C206	BLDG 10	\$177.00	no textbook	
BIOF 450	Bioinformatics, Computational Biology, and Evolutionary Genomics	Tatiana Tatusova	M	2/3/2020	5/8/2020	5:30PM	8:30PM	B1C205	BLDG 10	\$531.00	Ramsden J. Bioinformatics, An Introduction 3rd ed. (recommended) Rage R. et al. Molecular Evolution, A Phylogenetic Approach (recommended)	\$84.99 \$138.25
BIOF 475	Introduction to New Technologies in Data Science	Antej Nuhanovic	M	2/3/2020	5/4/2020	5:30PM	7:30PM	Rathskeller	BLDG 60	\$354.00	no textbook	
BIOF 501-O	Introduction to R: Step-by-Step Guide - ONLINE	Kyung Dae Ko	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$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	Martin Skarzynski	W	2/5/2020	5/6/2020	6:00PM	8:00PM	B1C209-B1C211	BLDG 10	\$354.00	Muller G. Data Science from Scratch: First Principles with Python (rec.) Geron A. Hands-On Machine Learning with Scikit-Learn and Tensor-Flow (rec.)	\$59.99 \$74.99
BIOF 521	Bioinformatics for Analysis of Data Generated by Next Generation Sequencing	Sijung Yun	W	2/5/2020	5/6/2020	5:30PM	8:30PM	B1C206	BLDG 10	\$531.00	no textbook	
MATH 128	Elementary Calculus II	Caetano Souto Maior	T	2/4/2020	5/5/2020	5:30PM	8:30PM	B1C209	BLDG 10	\$531.00	Hartman G. Apex Calculus v4.0 - Book 3. 4th ed. (required) Stewart J. Calculus: Early Transcendentals. 9th ed. (recommended)	\$25.00 \$249.95



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BIOLOGY, GENETICS AND MEDICINE												
BIOL 101-O	Foundations in Biomedical Science I (7 weeks) - ONLINE	Melinda Maris	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$354.00	Alberts B. Essential Cell Biology, 5th ed. (required)	\$175.00
BIOL 327	Modern Embryonic and Developmental Biology	David Cruz Walima	W	2/5/2020	5/6/2020	5:30PM	7:30PM	B1C205	BLDG 10	\$354.00	Gilbert SF. Developmental Biology, 11th ed. (recommended)	\$173.95
BIOL 350	Foundations of Cellular Neuroscience	Jacob Nordman	M	2/3/2020	5/4/2020	5:30PM	8:30PM	Room 3-2550	BLDG 10	\$531.00	Kandel et al. Principles of Neural Science, 5th ed. (required)	\$98.00
BIOL 356	Connective Tissue Biology	Elena Makareeva	W	2/5/2020	5/6/2020	5:00PM	7:00PM	8S233	BLDG 10	\$354.00	no textbook	
BIOL 385	The Biology of Aging	Sarah Clatterback Soper	T	2/4/2020	5/5/2020	5:30PM	7:30PM	Room 2-3330	BLDG 10	\$354.00	no textbook	
BIOL 435	Current Trends in the Neurobiology of Mental Illness	Olive Jung	Th	2/6/2020	5/7/2020	5:30PM	7:30PM	Room 134	BLDG 60	\$100.00	no textbook	
GENE 500	Introduction to Medical Genetics II	Suzanne Hart	T	2/4/2020	5/5/2020	5:30PM	7:30PM	5th floor conf. room.	BLDG50	\$354.00	no textbook	
GENE 510	Genetic Counseling: Professional Topics Seminar	Lori Erby	F	1/24/2020	5/8/2020	1:30PM	3:30PM			\$708.00	no textbook	
GENE 514	Current Concepts in Clinical Molecular Genetics and Molecular Diagnostics	Suzanne Hart	Th	2/6/2020	5/7/2020	5:30PM	7:30PM	5th floor conf. room.	BLDG50	\$177.00	no textbook	
MEDI 234	Precision Medicine (7 weeks)	Sabrina Helmsold Hait	W	3/25/2020	5/6/2020	5:30PM	7:30PM	Room 2-3330	BLDG 10	\$177.00	no textbook	
MEDI 318	Human Physiology II	Victor Krauthamer	T	2/4/2020	5/5/2020	5:00PM	7:00PM	B1C204	BLDG 10	\$354.00	Koeppen BM., Stanton B. Berne and Levy Physiology, 7th ed. (required)	\$119.99
MEDI 335	Pathophysiology of Common Gastrointestinal and Metabolic Diseases (7 weeks)	Jeffrey Robinson	W	3/25/2020	5/6/2020	6:00PM	8:00PM	Rathskeller	BLDG 60	\$177.00	no textbook	
MEDI 339	Introduction to Cancer Biology	Soumya Sundara Rajan	Th	2/6/2020	5/7/2020	5:30PM	7:30PM	B1C205	BLDG 10	\$354.00	Weinberg R. The Biology of Cancer 2nd ed. (recommended)	\$236.00
MEDI 345-O	Human Anatomy - ONLINE	Patti Shelton	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	Marieb E. Human Anatomy & Physiology (required) Netter F. Atlas of Human Anatomy 7th ed. (required)	\$299.99 \$82.99
IMMUNOLOGY AND MICROBIOLOGY												
IMMU 325	The Human Microbiome: New Concepts in Health and Disease (7 weeks)	Daria Piacentino	T	3/24/2020	5/5/2020	6:00PM	8:00PM	Room 5-2550	BLDG 10	\$177.00	Knight R. et al Follow Your Gut: How the Ecosystem in Your Gut Determines Your Health, Mood, and More (required)	\$16.99
IMMU 369	Epidemics, Vaccines, and Prevention (7 weeks)	Arvind Shukla	Th	3/26/2020	5/7/2020	5:30PM	7:30PM	Room 5-1608	BLDG 10	\$177.00	no textbook	
IMMU 403-O	Basic Principles of Immunology and Hypersensitivity - ONLINE	Joselyn Allen	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$354.00	Murphy K. Janeway's Immunobiology, 9th ed. (required)	\$200.00
IMMU 503-O	Immunological Mechanisms and Disorders - ONLINE	Patrick Cummings	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$708.00	Murphy K. Janeway's Immunobiology, 9th ed. (required)	\$200.00
IMMU 522	Molecular and Cellular Mechanisms of Immunity II	Scott Durum	W	2/5/2020	5/6/2020	5:30PM	7:30PM	B1C208	BLDG 10	\$354.00	no textbook	
MICR 418	Emerging Infectious Diseases	Ragavan Varadharajan Suresh	T	2/4/2020	5/5/2020	5:00PM	8:00PM	B1C205	BLDG 10	\$531.00	Ryan E. Hunter's Tropical Medicine and Emerging Infectious Diseases (required)	\$199.99
MICR 420-O	Emerging Microbial Pathogens - ONLINE	Patrick Cummings	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$708.00	Scheld WM et al (eds.). Emerging Infections 10. 1st ed. (required)	\$150.00
LANGUAGES AND GENERAL STUDIES												
ENGL 108	Fundamental English Conversation II	Fran Miller	T	2/3/2020	5/4/2020	4:15PM	7:05PM	Room 5-1608	BLDG 10	\$480.00	Saslow & Ascher. Top Notch 3. 3rd. ed. (required)	\$55.00
ENGL 306	Advanced English Written Grammar II	Fran Miller	M	2/4/2020	5/5/2020	4:15PM	7:05PM	Room 3-2550	BLDG 10	\$480.00	Maurer J. Focus on Grammar 5. 5th. ed. (required)	\$59.00
ENGL 355-1	Advanced English Conversation: Language, Culture, and Medicine (7 weeks)	Jennifer Kagan	M & Th	2/3/2020	3/19/2020	4:00PM	6:00PM	B1C204	BLDG 10	\$320.00	no textbook	
ENGL 355-2	Advanced English Conversation: Language, Culture, and Medicine (7 weeks)	Jennifer Kagan	M & Th	3/23/2020	5/7/2020	4:00PM	6:00PM	B1C204	BLDG 10	\$320.00	no textbook	
GENL 319	MCAT Review and Test Preparation (16 weeks)	Stefan Barisic	M & W	1/27/2020	5/13/2020	5:30PM	7:30PM	B1C207	BLDG 10	\$640.00	The Princeton Review MCAT Subject Review Complete Box Set. 3rd ed. (rec.)	\$225.00
GENL 322-1-O	GRE Review (7 weeks) - ONLINE	Tristan Sissung	ONLINE	2/3/2020	3/20/2020	Online	Online	Online	Online	\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL 322-2-O	GRE Review (7 weeks) - ONLINE	Tristan Sissung	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00
GENL 375	Intermediate American Sign Language II	Michael Dunham	Th	2/6/2020	5/7/2020	5:30PM	8:30PM	B1C207	BLDG 10	\$480.00	no textbook	
SPAN 208	Spanish for Healthcare Providers	Humberto Segura	T	2/4/2020	5/5/2020	5:00PM	8:00PM	B1C208	BLDG 10	\$480.00	Rios J. McGraw-Hill's Complete Medical Spanish, 3rd ed. (required)	\$22.00
PUBLIC HEALTH												
PBHL 510	Alcohol Across the Lifespan	Aaron White	T	2/4/2020	5/5/2020	6:00PM	8:00PM	B1C207	BLDG 10	\$50.00	This course is being under-written by NIAAA and as such the price per student is \$50.	
PBHL 518-O	Introduction to Program Evaluation - ONLINE	Amanda Greene	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	no textbook	
PBHL 527-O	Healthcare Management - ONLINE	Brandon Wood	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	Ledlow GR. & Coppola MN. Leadership for Health Professionals: Theory, Skills and Applications. 2nd ed. (required)	\$120.95
PBHL 538	Qualitative and Quantitative Analysis in Policy and Program Evaluation	Sue Hamann	W	2/5/2020	5/6/2020	5:00PM	8:00PM	Room 3-2550	BLDG 10	\$531.00	Angrist JD et al. Mastering Metrics: The Path from Cause to Effect (required) Rossi PH et al Evaluation: A Systematic Approach, 8th ed. (required)	\$35.00 \$90.00
PBHL 607	Capstone Project in Public Health	Stephen Marcus		2/3/2020	5/8/2020	n/a	n/a	TBD	TBD	\$531.00	no textbook	
STAT 200	Experimental Statistics II	Andrew Lauziere	M	2/3/2020	5/4/2020	5:30PM	8:30PM	B1C208	BLDG 10	\$531.00	Field. Discovering Statistics Using R. 1st ed. (required)	\$96.00
STAT 325-O	Epidemiologic Research Methods - ONLINE	Robert Hirsch	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	Kleinbaum DG. Epidemiologic Research. Principles and Quantitative Methods. 2nd ed. (required)	\$207.00
STAT 430	Advanced SAS (7 weeks)	Jeffrey Li	T & Th	2/4/2020	3/19/2020	6:00PM	8:00PM	B1C210	BLDG 10	\$354.00	no textbook	
STAT 500-II	Statistics for Biomedical Scientists II	Deven Shah	T	2/4/2020	5/5/2020	5:00PM	8:00PM	B1C211	BLDG 10	\$531.00	Rosner B. Fundamentals of Biostatistics. 8th ed. (required)	\$199.95
STAT 500 I-O	Statistics for Biomedical Scientists I - ONLINE	Robert Hirsch	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	Hirsch RP. Biostatistical Applications in Health Research with Microsoft Excel. 1st ed. (required) Hirsch RP. Workbook to Accompany Biostatistical Applications in Health Research with Microsoft Excel. 1st ed. (required)	\$130.00 \$36.25
TECHNOLOGY TRANSFER, BUSINESS, AND INDUSTRY												
TECH 391-O	Research Ethics I (7 weeks) - ONLINE	Greg Kelly	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$177.00	Steneck NH. ORI Introduction to the Responsible Conduct of Research. (recommended)	\$19.99
TECH 491-O	Market Assessment for Innovative Technologies in Biomedical Sciences (7 weeks) - ONLINE	Eric Langer	ONLINE	2/3/2020	3/20/2020	Online	Online	Online	Online	\$354.00	no textbook	
TECH 498-O	Leadership Strategies for Biomedical Sciences I (7 weeks) - ONLINE	Lynn Johnson Langer	ONLINE	3/23/2020	5/8/2020	Online	Online	Online	Online	\$354.00	no textbook	
TECH 508	Regulatory Affairs and FDA Regulation	Shekhar Jha	Th	2/6/2020	5/7/2020	6:30PM	8:30PM	Room 2-3330	BLDG 10	\$354.00	no textbook	
TECH 513	Introduction to Technology Transfer	Steven Ferguson	T	2/6/2020	5/5/2020	5:30PM	7:30PM	1N241	BLDG 10	\$354.00	no textbook	
TECH 528	Preclinical Evaluation of Novel Drugs and Beyond	John Dubinion & Wrzesinski	Claudia	2/6/2020	5/7/2020	5:30PM	7:30PM	FAES Social & Academic Center - 9101 Old Georgetown Road, Bethesda, MD		\$100.00	no textbook	
TECH 566	Building a Biotech Company: Business Leadership and Management Strategies	Steven Ferguson	T	2/4/2020	5/5/2020	5:30PM	7:30PM	White Flint III - 11601 Landsdown Street, North Bethesda, MD		\$354.00	no textbook	
TECH 582	Intellectual Property and Patent Prosecution for Scientists	Lee Heiman	M	2/3/2020	5/4/2020	5:30PM	7:30PM	B1C206	BLDG 10	\$354.00	Pressman D. Patent It Yourself. 19th ed. (required)	\$49.99
TECH 607	Capstone Course in Technology Transfer	Steven Ferguson	T	2/4/2020	5/5/2020	5:30PM	8:30PM	TBD	TBD	\$531.00	no textbook	

Early/Late Start/End Date