

GRADUATE COURSES MID-TERM SCHEDULE - SPRING 2020

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GRADUATE COURSES SCHEDULE - SPRING 2020

		ACADEMIC PROGRAMS @NIH		GRADUATE COURSES SCHEDULE - SPRING 2020								
Code	Course Name	Instructor	Day	Class Start	Class End	Start Time	e End Time	Room Number	Building	Tuition	Books (Required or Recommended)	Book Fe
	RY, CHEMISTRY, PHARMACOLOGY, AND TOXICOLOGY											
BIOC 301-0	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
IOC 302 IOC 532	Biochemistry II Biological Importance of Modifications in DNA and Chromatin	Seth Dickey Tiaojiang Xiao	M T	2/3/2020 2/4/2020	5/8/2020 5/5/2020	5:30PM 5:30PM	8:30PM 7:30PM	Room 134 Room 127	BLDG 60 BLDG 5	\$531.00 \$354.00	Nelson D. Lehninger Principles of Biochemistry, 7th ed. (required)	\$295.99
HAR 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
HAR 500-0	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	
IOF 309-1	ATICS AND DATA SCIENCE Introduction to Python	Martin Skarzynski	М	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
IOF 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)	
IOF 439 IOF 450	Data Visualization with R (7 weeks) Bioinformatics, Computational Biology, and Evolutionary Genomics	Abhijit Dasgupta Tatiana Tatusova	T M	2/4/2020 2/3/2020	3/17/2020 5/8/2020	5:00PM 5:30PM	7:00PM 8:30PM	B1C206 B1C205	BLDG 10 BLDG 10	\$177.00 \$531.00	no textbook Ramsden J. Bioinformatics, An Introduction 3rd ed. (recommended) Rage R. et al. Molecular Evolution, A Phylogenetic Approah (recommended)	\$84.99 \$138.25
IOF 475	Introduction to New Technologies in Data Science	Antej Nuhanovic	М	2/3/2020	5/4/2020	5:30PM	7:30PM	Rathskeller	BLDG 60	\$354.00	no textbook	V130.2 2
IOF 501-0	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.	\$49.99
IOF 509	Applied Machine Learning	Martin Skarzynski	W	2/5/2020	5/6/2020	6:00PM	8:00PM	B1C209-B1C211	BLDG 10	\$354.00	(recommended) 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
IOF 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	\$74.99
ИАТН 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
	NETICS AND MEDICINE				- (- (
IOL 101-0	Foundations in Biomedical Science I (7 weeks) - ONLINE	Melinda Maris David Cruz Walma	ONLINE W	3/23/2020	5/8/2020	Online 5:30PM	Online 7:30PM	Online P1C205	Online BLDG 10	\$354.00 \$354.00	Alberts B. Essential Cell Biology, 5th ed. (required) Gilbert SF. Developmental Biology. 11th ed. (recommended)	\$175.00
IOL 327 IOL 350	Modern Embryonic and Developmental Biology Foundations of Cellular Neuroscience	Jacob Nordman	M M	2/5/2020 2/3/2020	5/6/2020 5/4/2020	5:30PM 5:30PM	7:30PM 8:30PM	B1C205 Room 3-2550	BLDG 10 BLDG 10	\$354.00	Kandel et al. Principles of Neural Science. 5th ed. (required)	\$173.95
OL 356	Connective Tissue Biology	Elena Makareeva	W	2/5/2020	5/6/2020	5:00PM	7:00PM	8S233	BLDG 10	\$354.00	no textbook	
OL 385	The Biology of Aging	Sarah Clatterbuck Soper	T	2/4/2020	5/5/2020	5:30PM	7:30PM	Room 2-3330	BLDG 10	\$354.00	no textbook	
OL 435 ENE 500	Current Trends in the Neurobiology of Mental Illness Introduction to Medical Genetics II	Olive Jung Suzanne Hart	Th T	2/6/2020 2/4/2020	5/7/2020 5/5/2020	5:30PM 5:30PM	7:30PM 7:30PM	Room 134 5th floor conf. roo	BLDG 60 om. BLDG50	\$100.00 \$354.00	no textbook no textbook	
ENE 510	Genetic Counseling: Professional Topics Seminar	Lori Erby	F	1/24/2020	5/8/2020	1:30PM	3:30PM			\$708.00	no textbook	
ENE 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. roo	om. BLDG50	\$177.00	no textbook	
EDI 234	Precision Medicine (7 weeks)	Sabrina Helmold Hait	W	3/25/2020	5/6/2020	5:30PM	7:30PM	Room 2-3330	BLDG 10	\$177.00	no textbook	
EDI 318 EDI 335	Human Physiology II Pathophysiology of Common Gastrointestinal and Metabolic	Victor Krauthamer Jeffrey Robinson	T W	2/4/2020 3/25/2020	5/5/2020 5/6/2020	5:00PM 6:00PM	7:00PM 8:00PM	B1C204 Rathskeller	BLDG 10 BLDG 60	\$354.00 \$177.00	Koeppen BM., Stanton B. Berne and Levy Physiology. 7th ed. (required) no textbook	\$119.99
EDI 339	Diseases (7 weeks) Introduction to Cancer Biology	Soumva Sundara Raian	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
1EDI 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
MMUNOLO	GY AND MICROBIOLOGY											
MMU 325	The Human Microbiome: New Concepts in Health and Disease (7 weeks)	Daria Piacentino	Т	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
MMU 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	
MMU 403-0	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
ими 503-0 ими 522	Immunological Mechanisms and Disorders - ONLINE Molecular and Cellular Mechanisms of Immunity II	Patrick Cummings Scott Durum	ONLINE W	2/3/2020 2/5/2020	5/8/2020 5/6/2020	Online 5:30PM	Online 7:30PM	Online B1C208	Online BLDG 10	\$708.00 \$354.00	Murphy K. Janeway's Immunobiology. 9th ed. (required) no textbook	\$200.00
1ICR 418	Emerging Infectious Diseases	Ragavan Varadharajan Suresh		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)	\$19
1ICR 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
	AND GENERAL STUDIES											
NGL 108 NGL 306	Fundamental English Conversation II Advanced English Written Grammar II	Fran Miller Fran Miller	M	2/3/2020 2/4/2020	5/4/2020 5/5/2020	4:15PM 4:15PM	7:05PM 7:05PM	Room 5-1608 Room 3-2550	BLDG 10 BLDG 10	\$480.00 \$480.00	Saslow & Ascher. Top Notch 3. 3rd. ed. (required) Maurer J. Focus on Grammar 5. 5th. ed. (required)	\$55.00 \$59.00
IGL 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	\$35.00
IGL 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	
ENL 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
ENL 322-1-0 ENL 322-2-0	GRE Review (7 weeks) - ONLINE GRE Review (7 weeks) - ONLINE	Tristan Sissung Tristan Sissung	ONLINE ONLINE	2/3/2020 3/23/2020	3/20/2020 5/8/2020	Online Online	Online Online	Online Online	Online Online	\$160.00 \$160.00	ETS. Official GRE Super Power Pack. 2nd ed. (required) ETS. Official GRE Super Power Pack. 2nd ed. (required)	\$72.00 \$72.00
ENL 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	\$72.00
PAN 208	Spanish for Healthcare Providers	Humberto Segura	Т	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
UBLIC HEAL	TH Alcohol Across the Lifespan	Aaron White	т	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.	
BHL 518-0	Introduction to Program Evaluation - ONLINE	Amanda Greene	ONLINE	2/3/2020	5/8/2020	Online	Online	Online	Online	\$531.00	no textbook	
BHL 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
BHL 538	Qualitative and Quantitative Analysis in Policy and Program Evaluation	Sue Hamann	w	2/5/2020	5/6/2020	5:15PM	8:15PM	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
BHL 607	Capstone Project in Public Health	Stephen Marcus	By appointment with instructor		5/8/2020	n/a	n/a	TBD	TBD	\$531.00	no textbook	405.00
TAT 200 TAT 325-O	Experimental Statistics II Epidemiologic Research Methods - ONLINE	Andrew Lauziere Robert Hirsch	M ONLINE	2/3/2020 2/3/2020	5/4/2020 5/8/2020	5:30PM Online	8:30PM Online	B1C208 Online	BLDG 10 Online	\$531.00 \$531.00	Field. Discovering Statistics Using R. 1st ed. (required) Kleinbaum DG. Epidemiologic Research. Principles and Quantitative Methods. 2nd ed. (required)	\$96.00 \$207.00
TAT 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	
TAT 500-II TAT 500 I-O	Statistics for Biomedical Scientists II Statistics for Biomedical Scientists I - ONLINE	Deven Shah Robert Hirsch	T ONLINE	2/4/2020 2/3/2020	5/5/2020 5/8/2020	5:00PM Online	8:00PM Online	B1C211 Online	BLDG 10 Online	\$531.00 \$531.00	Rosner B. Fundamentals of Biostatistics. 8th ed. (required) Hirsch RP. Biostatistical Applications in Health Research with Microsoft Excel. 1st ed.	\$199.95
A1 300 FO	Statistics for Difficultial Scientists 1- ONLINE	ROBERTHISCH	ONLINE	2/3/2020	3/6/2020	Offine	Omme	Offilia	Onnie	3331.00	(required) Hirsch RP. Workbook to Accompany Biostatistical Applications in Health Research with Microsoft Excel. 1st ed. (required)	
ECHNOLOG	Y TRANSFER, BUSINESS, AND INDUSTRY 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) \$19.90
ECH 491-0	Market Assesment for Innovative Technologies in Biomedical	Eric Langer	ONLINE	2/3/2020	3/20/2020	Online	Online	Online	Online	\$354.00	no textbook	, ,,,,,,,
ECH 498-O	Sciences (7 weeks) - ONLINE 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	
ECH 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	
ECH 513	Introduction to Technology Transfer	Steven Ferguson	Th	2/6/2020	5/5/2020	5:30PM	7:30PM	1N241	BLDG 10	\$354.00	no textbook	
ECH 528 ECH 566	Preclinical Evaluation of Novel Drugs and Beyond Building a Biotech Company: Business Leadership and Management Strategies	John Dubinion & C Wrzesinski Steven Ferguson	Claudia Th	2/6/2020	5/7/2020	5:30PM 5:30PM	7:30PM 7:30PM	Georgetown Road	ademic Center - 9101 Old d, Bethesda, MD 1601 Landsdown Street, North	\$100.00 \$354.00	no textbook no textbook	
CH 588	Intellectual Property and Patent Prosecution for Scientists	Lee Heiman	M	2/4/2020	5/4/2020	5:30PM	7:30PM	B1C206	BLDG 10	\$354.00	Pressman D. Patent It Yourself. 19th ed. (required)	\$49.99
ECH 607	Capstone Course in Technology Transfer	Steven Ferguson	Т	2/4/2020	5/5/2020	5:30PM	8:30PM	TBD	TBD	\$531.00	no textbook	

Early/Late Start/End Date