

BioMed Course Summary 2019-20

SEM	BANNER NUMBER	COURSE TITLE	PRIMARY INSTRUCTOR	*FYS/SOPH SEM/LAB/ WRIT/CONF/DIV
1	0030	Principles of Nutrition	Flynn, Mary	
1	0100	Living Biology at Brown & Beyond	Smith, Katherine	FYS/DIV/WRIT
1	0150A	Techniques and Analyses Using DNA-Based Biotechnology	Hall, Jody	FYS/LAB
1	0170	Biotechnology in Medicine	Achilli, Toni Marie	
1	0190E	Botanical Roots of Mordern Medicine	Jackson, Fred	LAB
1	0190F	Foundations: Darwinian Medicine	Tatar, Marc	FYS/DIV
1	0190P	Pride & Prejudice in the Development of Scientific Theories	Helfand, Stephen	FYS
1	0190R	Foundations: Phage Hunters, Part I	Zhou, Yang	FYS/LAB
1	0190U	The Lives of Plants	Heywood, Peter	FYS/WRIT
1	0210	Diversity of Life	Kellner, James	DIV
1	0380	The Ecology and Evolution of Infectious Disease	Weinreich, Daniel	
1	0410	Invertebrate Zoology	Ewanchuk, Patrick	LAB/DIV
1	0470	Genetics	Johnson, Mark	LAB
1	0480	Evolutionary Biology	Rand, David	CONF/DIV
1	0530	Principles of Immunology	Bungiro, Richard	
1	0600	Genetic Screening in Model Organisms	LaPierre, Louis	CURE/LAB
1	0800	Principles of Physiology	Stein, John	LAB
1	0940A	Viral Epidemics	Atwood, Walter	SOPH SEM/WRIT
1	0940B	Life in a Shell	Jackson, Donald	SOPH SEM

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1	0945	Toolbox for Scientific Research	Raynes, Yevgeniy	SOPH SEM
1	0960	Independent Study in Science Writing	Faculty Advisors	
1	1050, 2050	Biology of the Eukaryotic Cell (Grad students register for 2050)	Miller, Kenneth	Tba
1	1070	Biotechnology and Global Health	Schell, Jacquelyn	
1	1110	Signal Transduction	Oancea, Elena	
1	1140	Tissue Engineering	Hoffman-Kim, Diane	DIV
1	1155	Hormones and Behavior	Fuxjager, Matthew	
1	1160	Principles of Exercise Physiology	Hai, Chi-Ming	DIV
1	1270, 2270	Advanced Biochemistry (Grad students register for 2270)	Deaconscu, Alexandra	
1	1290	Cancer Biology	Zhitkovich, Anatoly	
1	1300, 2300	Biomolecular Interactions (Grad students register for 2300)	Fawzi, Nicolas	LAB
1	1420	Experimental Design in Ecology	Witman, Jon	
1	1430	Population Genetics		
1	1465	Human Population Genomics	Huerta-Sanchez, Emilia	WRIT
1	1470	Conservation Biology	Sax, Dov	
1	1520	Innate Immunity	Brossay, Laurent	
1	1560, 2560	Virology (Grad students register for 2560 Advanced Virology)	Jamieson, Amanda	
1	1565	Survey of Biomedical Informatics	Sarkar, Neil	

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1	1575, 2075	Evaluation of Health Information Systems (Grad students register for 2075)	Fraser, Hamish	
1	1950	Directed Research/Independent Study - See Research	Faculty Advisors	LAB
1	1970A	Stem Cell Biology	Freiman, Richard	
1	2000A	Topics in MCDB: RNA Regulation: Beyond the Central Dogma	Mowry, Kimberly/Gerbi, Susan	
1	2020	Biotechnology Science and Industry	Scott, Jeffrey	
1	2030	Foundations for Advanced Study in the Life Sciences	DeLong, Alison	CONF
1	2089	Biotechnology IP	Morgan, Jeffrey	
1	2145	Molecular Targets of Drug Discovery	Horrigan, Diana	Tba
1	2150	Scientific Communication	Mowry, Kimberly/Larschan, Erica/ Bender, Judith	CONF
1	2170	Molecular Pharmacology and Physiology	Horrigan, Diana	
1	2180	Experiential Learning Industry (ELI)	Morgan, Jeffrey	
1	2190	MPP Professional Development Seminar	Horrigan, Diana	
1	2230	Biomedical Engineering and Biotechnology Seminar	Darling, Eric	
1	2245	Blood Substitutes: Principles and Therapeutics Development	Kim, Hae Won	
1	2430 S01, S02, S03	Topics in EEB:	Rand, David; Kartzinel, Tyler; Roberts, Thomas	DIV
1	2860	Molecular Mechanisms of Human Disease	Bartnikas, Thomas	DIV
2	0040	Nutrition for Fitness and Physical Activity	Flynn, Mary	
2	0080	Biotechnology Management	Bready, Barrett	

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2	0150C	Intro to Ethnopharmacology	Jackson, Fred	FYS/LAB
2	0150D	Techniques in Regenerative Medicine: Cells, Scaffolds and Staining	Achilli, Toni-Marie	FYS/LAB
2	0160	Plants, Food, and People	Heywood, Peter	
2	0180	Biology of AIDS	Shank, Peter	
2	0190S	Foundations: Phage Hunters, Part II	Taylor, Sarah	FYS/LAB
2	0200	The Foundations of Living Systems	Miller, Kenneth	LAB/DIV
2	0280	Biochemistry	Lapierre, Louis	CONF
2	0285	Inquiry in Biochemistry: From Gene to Protein Function	Cohen, Kristina	
2	0420	Principles of Ecology	Witman, Jon	CONF
2	0430	Evolution of Plant Diversity	Jackson, Fred	LAB
2	0440	Inquiry in Plant Biology: Analysis of Plant Growth, Reproduction and Adaptive Responses	DeLong, Alison	LAB
2	0495	Statistical Analysis of Biological Data	TBD	CONF
2	0500	Cell and Molecular Biology	Heywood, Peter/Webb, Ashley	
2	0510	Introductory Microbiology	Belenky, Peter/Bungiro, Richard	LAB
2	0800	Principles of Physiology	Hai, Chi-Ming	LAB
2	0940E	Precision Medicine or Privileged Medicine? Addressing Disparities in Biomedical Research	Campbell, Robert	SOPH/DIV
2	0940F	Microbial Evolution and Ecology	Ogbunu, C. Brandon	

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2	0940G	Antibiotic Drug Discovery: Identifying Novel Soil Microbes to Combat Antibiotic Resistance	Achilli, Toni-Marie	CURE/LAB
2	0960	Independent Study in Science Writing	Faculty Advisors	
2	1040, 2040	Ultrastructure/Bioimaging (Grad students register for 2040)	Williams, Geoffrey	LAB
2	1100	Cell Physiology and Biophysics	Zimmerman, Anita/ Horrigan, Diana	
2	1120	Biomaterials	Scott, Jeffrey	
2	1150	Stem Cell Engineering	Darling, Eric	LAB
2	1222A, 2222B	Current Topics in Functional Genomics	Fairbrother, William	
2	1250	Host-microbiome Interactions in Health and Disease	Belenky, Peter	
2	1310, 2310	Developmental Biology (Grad students register for 2310)	Wharton, Kristi	LAB
2	1330	Biology of Reproduction	Wessel, Gary	DIV
2	1435	Computational Methods for Studying Demographic History with Molecular Data	Huerta-Sanchez, Emilia	
2	1450	Community Ecology	Kellner, James	
2	1495	500 Million Years of Land Plants	Bonacorsi, Nikole	
2	1540, 2540	Molecular Genetics (Grad students register for 2540)	Bender, Judith/Larschan, Erica	
2	1545, 2545	Human Genetics and Genomics (Grad students register for 2545)	Morrow, Eric	
2	1550	Biology of Emerging Microbial Diseases	de Graffenried, Christopher/Bungiro, Richard	

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2	1555	Methods in Biomedical Informatics	Sarker, Neil	
2	1595, 2595	Artificial Intelligence in Biomedicine (Grad students register for 2595)	Eickhoff, Carsten	
2	1600	Development of Vaccines to Infectious Diseases	Bungiro, Richard	
2	1810	21 st Century Applications in Cell and Molecular Biology	Dawson, Michelle	WRIT
2	1820	Environmental Health + Disease	Plavicki, Jessica	
2	1865, 2865	Toxicology (Grad students register for 2865)	Spade, Daniel	
2	1880	Comparative Biology of the Vertebrates	Evans, Kory	LAB
2	1960	Directed Research/Independent Study - See Research	Faculty Advisors	
2	2010	Quantitative Approaches to Biology	Neretti, Nicola	
2	2018	Management Strategies in Biotechnology	Jong, Yong	
2	2040	Ultrastructure/Bioimaging	Williams, Geoffrey	
2	2145	Molecular Targets of Drug Discovery	Horrigan, Diana	
2	2156	Special Topics in Biotechnology Writing	Mathiowitz, Edith	
2	2167	In Vitro Models for Disease	Schell, Jacquelyn/Morgan,	
2	2180	Experiential Learning Industry (ELI)	Morgan, Jeffrey	
2	2240	Biomedical Engineering and Biotechnology Seminar	Morgan, Jeffrey	
2	2350	The Biology of Aging	Helfand, Stephen	DIV
2	2440 S01, S02, S03	Topics in EEB:	Rand, David/Gatesy, Stephen/ Weinreich, Daniel	DIV

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2	2528	Innovation and Commercialization in Medical Devices, Diagnostics, and Wearables	Analoui, Mostafa	
2	2640A	Topics in Microbiology and Immunology: Viral Immunology	Biron, Christine	