

**BioMed Course Summary 2022-23**

<b>SEM</b>	<b>BANNER NUMBER</b>	<b>COURSE TITLE</b>	<b>PRIMARY INSTRUCTOR</b>	<b>*FYS/SOPH SEM/LAB/ WRIT/CONF/DIV/COEX</b>	<b>ONLINE/HYBRID/REMOTE ACCESSABLE</b>
SUMMER	0800	Principles of Physiology	Sobieraj, Andrea	LAB	Online
SUMMER	1455	Planetary Health: Global Environmental Change and Emerging Infectious Disease	Smith, Katherine		Online
WINTER	0940G	Antibiotic Drug Discovery: Identifying Novel Soil Microbes to Combat Antibiotic Resistance	Achilli, Toni-Marie	LAB/COEX	Hybrid
WINTER	1000	Quality Improvement Science and Application	Monteiro, Kristina		Online
WINTER	1455	Planetary Health: Global Environmental Change and Emerging Infectious Disease	Smith, Katherine		Online
WINTER	1980	HIV/AIDS in Diverse Settings: Focus on Israel	Kantor, Rami	WRIT	GELT/Travel
1	BIOL XLIST: AFRI 1920	Health Inequality in Historical Perspective	Braun, Lundy	RPP/WRIT	
1	BIOL XLIST: CLPS 1195	Life Under Water in the Anthropocene	Colwill, Ruth	CONF/WRIT	
1	BIOL XLIST: NEUR 1530	Communication In the Brain: What We Know and How We Know It	O'Connor-Giles, Kate		
1	0030	Principles of Nutrition	Flynn, Mary		Online (Last Semester Offered)
1	0100	Living Biology at Brown & Beyond	Monteiro, Kristina/Hall, Jody	FYS/DIV/LAB	
1	0140T	Communicating Science Through Visual Media	Stein, John	RISD & BROWN/LAB	
1	0170	Biotechnology in Medicine	Achilli, Toni Marie		S02 - Hybrid
1	0190P	Pride & Prejudice in the Development of Scientific Theories	Helfand, Stephen	FYS	
1	0190R	Foundations: Phage Hunters, Part I	Taylor, Sarah	FYS/LAB/COEX	
1	0210	Diversity of Life	Kellner, James	DIV	
1	0380	The Ecology and Evolution of Infectious Disease	Witt Dillon, Kelsey	CONF	
1	0410	Invertebrate Zoology	Ewanchuk, Patrick	LAB/DIV	
1	0470	Genetics	Johnson, Mark	LAB	S02 - Hybrid
1	0480	Evolutionary Biology	Rand, David	CONF/DIV	S02 - Hybrid
1	0530	Principles of Immunology	Dugan, Aisling	CONF	
1	0800	Principles of Physiology	Stein, John	LAB	S02 - Hybrid
1	0940A	Viral Epidemics	Atwood, Walter	SOPH SEM/WRIT	
1	0940D	Rhode Island Flora: Understanding and	Kartzinel, Rebecca	SOPH SEM/LAB	
1	0960	Independent Study in Science Writing	Faculty Advisors		
1	1050, 2050	Biology of the Eukaryotic Cell (Grad students	Gerbi, Susan	CONF	Last Semester Offered
1	1070	Biotechnology and Global Health	Schell, Jacquelyn		
1	1140	Tissue Engineering	Hoffman-Kim, Diane	DIV	
1	1260, 2260	Physiological Pharmacology (Grad students register	Marshall, John		S02 - Online
1	1270, 2270	Advanced Biochemistry (Grad students register for	Lisi, George/Deaconescu,		
1	1290	Cancer Biology	Zhitkovich, Anatoly		
1	1300, 2300	Biomolecular Interactions (Grad students register for	Fawzi, Nicolas	WRIT	

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1	1470	Conservation Biology	Sax, Dov		
1	1515, 2015	Conservation in the Genomics Age	Kartzinel, Tyler	LAB/COEX/WRIT	Offered every other year
1	1520	Innate Immunity	Brossay, Laurent		
1	1560, 2560	Virology (Grad students register for 2560 Advanced	Jamieson, Amanda		
1	1565	Survey of Biomedical Informatics	Sarker, Neil		
1	1575, 2075	Evaluation of Health Information Systems	Fraser, Hamish	WRIT	
1	1650	Structure of the Nervous System	Berson, David	LAB	
1	1800	Animal Locomotion	Swartz, Sharon	WRIT	Offered every other year
1	1945	Outbreaks and Infections: Harnessing History and	Dugan, Aisling		
1	1950	Directed Research/Independent Study - See <i>Research</i>	Faculty Advisors	LAB	
1	1970A	Stem Cell Biology	Freiman, Richard		
1	2010A	Introduction to Molecular Research in the Life	Mowry, Kimberly		
1	2020	Biotechnology Science and Industry	Huang, Eric		
1	2030	Foundations for Advanced Study in the Life Sciences	DeLong, Alison		
1	2089	Biotechnology IP	Morgan, Jeffrey/Holmader, Daniel		
1	2110	Drug and Gene Delivery	Mathiowitz, Edith		Offered every other year
1	2150	Scientific Communication	Bender, Judith/Ramachandran,		
1	2180	Experiential Learning Industry (ELI)	Schell, Jacquelyn		
1	2190	MPP Professional Development Seminar	Horrigan, Diana		
1	2230	Biomedical Engineering and Biotechnology Seminar	Darling, Eric/Hoffman-Kim,		
1	2250	Survey of Modern Therapeutics	Horrigan, Diana		
1	2340	Neurogenetics and Disease	Reenan, Robert/Valdez,		
1	2430	Topics in EEB	Brainerd,	DIV	
2	BIOL XLIST: ENVS	Environmental Science in a Changing World	Kartzinel, Tyler		
2	0080	Biotechnology Management	Bready, Barrett		
2	0150D	Techniques in Regenerative Medicine: Cells,	Achilli, Toni-Marie	FYS/LAB	
2	0160	Plants, Food, and People	Heywood, Peter		Last Semester Offered
2	0190S	Foundations: Phage Hunters, Part II	Zhou, Yang/Taylor, Sarah	FYS/LAB/COEX	
2	0190U	The Lives of Plants	Heywood, Peter	FYS/WRIT	Last Semester Offered
2	0200	The Foundations of Living Systems	Stein, John/Holmes, Will/Hall,	LAB/DIV	
2	0280	Biochemistry	Deaconescu, Alexandra	CONF	
2	0285	Inquiry in Biochemistry: From Gene to Protein	Sobieraj, Andrea	LAB/CONF/COEX/WRIT	
2	0420	Principles of Ecology	Witman, Jon	CONF	
2	0430	Evolution of Plant Diversity	Kartzinel, Rebecca	LAB	Hybrid
2	0440	Inquiry in Plant Biology: Analysis of Plant Growth,	DeLong, Alison/Johnson, Mark	LAB	Offered every other year
2	0495	Statistical Analysis of Biological Data	Ramachandran, Sohini	CONF	
2	0500	Cell and Molecular Biology	Valdez, Gregorio		

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2	0510	Introductory Microbiology	Dugan, Aisling/Belenky, Peter	CONF/LAB	
2	0860	Diet and Chronic Disease	Flynn, Mary		Last Semester Offered
2	0946	Research Design + Quantitative Methods for the	Monteiro, Kristina		Remote Accessible
2	0960	Independent Study in Science Writing	Faculty Advisors		
2	1040, 2040	Ultrastructure/Bioimaging	Williams, Geoffrey	LAB	
2	1100	Cell Physiology and Biophysics	Zimmerman, Anita/ Horrigan,		
2	1120	Biomaterials	Dingle, Yu-Ting		
2	1150	Stem Cell Engineering	Darling, Eric	LAB	
2	1160	Principles of Exercise Physiology	Sobieraj, Andrea	DIV	Remote Accessible
2	1222A/2222B	Current Topics in Functional Genomics	Fairbrother, William		
2	1250	Host-microbiome Interactions in Health and Disease	Belenky, Peter/Vaishnava,	DIV	
2	1310, 2310	Developmental Biology (Grad students register for	Wharton, Kristi	LAB	
2	1330	Biology of Reproduction	Wessel, Gary	DIV	
2	1435	Computational Methods for Studying Demographic	Huerta-Sanchez, Emilia		
2	1450	Community Ecology	Kellner, James		Remote Accessible
2	1530	Emergency Medical Systems: An Anatomy of Critical	Becker, Bruce	CONF	Hybrid
2	1540, 2540	Molecular Genetics (Grad students register for 2540)	Bender, Judith		
2	1545, 2545	Human Genetics and Genomics (Grad students	Morrow, Eric		
2	1550	Biology of Emerging Microbial Diseases	deGraffenried, Chris	CONF	
2	1555	Methods in Biomedical Informatics	Sarker, Neil/Chen, Elizabeth	COEX	
2	1600	Development of Vaccines to Infectious Diseases	Vaishnava, Shipra		
2	1820	Environmental Health and Disease	Plavicki, Jessica		
2	1865, 2865	Toxicology (Grad students register for 2865)	Spade, Daniel		
2	1885	Human Anatomy and Biomechanics	Swartz, Sharon	LAB	
2	1960	Directed Research/Independent Study - See <i>Research</i>	Faculty Advisors		
2	2010B	Introduction to Data Science in Molecular Biology	Neretti, Nicola		
2	2018	Management Strategies in Biotechnology	Jong, Yong		Remote Accessible
2	2145	Molecular Targets of Drug Discovery	Horrigan, Diana		Remote Accessible
2	2167	In Vitro Models for Disease	Schell, Jacquelyn		Remote Accessible
2	2170	Molecular Pharmacology and Physiology	Horrigan, Diana/Zimmerman,		
2	2180	Experiential Learning Industry (ELI)	Schell, Jacquelyn		
2	2240	Biomedical Engineering and Biotechnology Seminar	Morgan, Jeffrey/Mathiowitz,		
2	2350	The Biology of Aging	Sedivy, John	DIV	
2	2440	Topics in Ecology and Evolutionary Biology	Fuxjager, Matt		
2	2528	Innovation and Commercialization in Medical	Analoui, Mostafa		