

GRADUATE MAJOR CHANGE BULLETIN NO. 4

Fall 2023

Faculty Senate approved February 1, 2024

Course information under the heading titled *Current* will show strikethroughs for deletions, and text under *Proposed* will show underlines for additions. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise	Current	Proposed	Effective Date
BIOMDSCI	544	New	--N/A--	Fundamentals of Proposal Writing and Oral Presentations 2 Course Prerequisite: BIOMDSCI 563. Enhancement of scholarly competencies in written and oral scientific communication, particularly as they apply to the development of biomedical research and scientific research grant proposals. Typically offered Fall.	8-24
BIOMDSCI	552	New	--N/A--	Statistical Thinking 1 Core concepts, methods, and skills for reasoning about data, how it is obtained, and how to use statistics to interrogate data and build an understanding of the world around us. Typically offered Fall.	1-25
BIOMDSCI	555	New	--N/A--	Advances in Immunology and Microbiology Seminar Series 1 May be repeated for credit; cumulative maximum 2 credits. Seminars given by visiting scholars, faculty, post-docs and graduate students; development of scientific communication skills for trainees affiliated with the Immunology and Infectious Disease (IID) doctoral program. Typically offered Fall and Spring. S, F grading.	8-24
ED PSYCH	512	New	--N/A--	Data Management and Visualization 2 The art and science of displaying and summarizing relationships, identifying patterns, trends, and distributions in datasets. Typically offered Summer Session.	5-24
ED PSYCH	519	New	--N/A--	Teaching in Higher Education 3 Overview of the knowledge, skills, and dispositions needed to become an	1-25

				effective college teacher. Typically offered Spring.	
ED PSYCH	523	New	--N/A--	Multimedia Learning 3 Course Prerequisite: ED PSYCH 502. Metacognitive and motivational factors of learning; design principles for multimedia learning from the theories and research in cognitive psychology and the learning sciences. Typically offered Spring.	1-25
ED PSYCH	524	New	--N/A--	Conceptual Change 3 Examination of the theoretical, psychological, conceptual, and pedagogical means by which students come to think differently about conceptual knowledge. Typically offered Fall.	8-24
MATH	589	Revise	Topics in Analysis V 1-3 Advanced topics in mathematical analysis. Recommended preparation: one semester of graduate analysis. Typically offered Spring.	Topics in Analysis V 1-3 <u>May be repeated for credit.</u> Advanced topics in mathematical analysis. Recommended preparation: one semester of graduate analysis. Typically offered Spring.	8-24
PHARMEDS	544	New	--N/A--	Toxicology: Assessing Drug Side Effects 3 Introduction to toxicology, with an emphasis on the side effects of drugs used to treat human disease. Credit not granted for both PHARMEDS 444 and PHARMEDS 544. Offered at 400 and 500 level. Typically offered Fall.	8-24