GRADUATE MAJOR CHANGE BULLETIN NO. 5

Fall 2018

Faculty Senate approved January 10, 2019

The courses listed below reflect the graduate major curricular changes approved by the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. The course information under the heading titled *Current* will show strikethroughs for deletions, and the heading titled *Proposed* will show underlines for additions. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ECONS	**509**	**New**	**--N/A--**	**Quantitative Methods in Economic Dynamics** 3 Course Prerequisite: ECONS 502; ECONS 503; ECONS 511. Basic numerical methods of optimization, equation solving, function approximation, numerical dynamic programming, random number generation and simulation, and the solution of dynamic stochastic general equilibrium models; will also study econometric estimation methods of nonlinear structural economic models, including Bayesian Estimation, Generalized Method of Moments, Indirect Inference, and Simulated Method of Moments. Typically offered Fall.	**8-19**
INTERDIS	**501**	**New**	**--N/A--**	**Research Communication** 2 Written and oral research communication for a variety of audiences. The course will use active exercises, brief presentations, and interactive assignments to emphasize communication skill development and application of these skills. Typically offered Odd Years - Spring.	**8-19**
PHARMSCI	**520**	**Revise**	**Foundations of Molecular Regulation** ~~3 Principles of~~ molecular biology, genetics, and biochemistry used to develop therapeutic approaches	**Foundations of Molecular and Cellular Regulation** 4 Cellular biology, molecular biology, genetics, and biochemistry used to develop therapeutic	**8-19**

			~~to~~ the treatment and prevention of human disease.	approaches <u>for</u> the treatment and prevention of human disease <u>states</u>. <u>Typically offered Fall.</u>	
PHARMSCI	**530**	**Drop**	**Foundations of Cellular Regulation** 3 Fundamentals of pharmacology and toxicology; signal transduction; cellular effects of diet and exercise; action and regulation of dietary supplements.	**--N/A--**	**8-19**
PHARMSCI	**566**	**New**	**--N/A--**	**Fundamentals of Toxicology** 3 Application of toxicology in the safety evaluation and risk assessment at the molecular, cellular, and organ levels; special emphasis on the concepts and approaches applied to organ system toxicology. Typically offered Fall.	**8-19**
VET PATH	**544**	**Revise**	I**mmunopathology** 4 Course Prerequisite: ~~VET MED 545; VET MED 531~~. The role of immune processes in the pathogenesis of disease. Typically offered Fall.	**Immunopathology** 4 Course Prerequisite: <u>VET PATH 545; enrollment in Immunology and Infectious Disease Ph.D. program</u>. Includes topics on the role of immune processes in the pathogenesis of disease coupled with training in proposal preparation, review, and defense. Typically offered Fall.	**1-19**