UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 8
Spring 2015

---COURSES---

Faculty Senate Approved February 26, 2015

The courses listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Current and Proposed, respectively. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
AMDT	**105**	**New**	--N/A--	**Introductory College Seminar in Apparel, Merchandising, Design, and Textiles** 1 Course Prerequisite: Concurrent enrollment in AMDT 108. Concepts of shared responsibility in planning and actual completion of AMDT undergraduate study. Typically offered: Fall.	**8-15**
COM	**100**	**New**	**--N/A--**	**Grammar and Editing for Communication** 2 Course Prerequisite: By permission only. For Communication majors to ensure sufficient skills in grammar, punctuation, and AP style of writing. Typically offered: Fall and Spring. S, F grading.	**8-15**
COM	**225**	**New**	--N/A--	**Sports and the Media** 3 Survey of the relationship between media and sports, including sports journalism, sports promotion, sports and Hollywood, sports and social change. Typically offered: Fall and Spring.	**8-15**
IPM	**452**	**Revise**	**Pesticides and the Environment** ~~2~~ Immediate and prolonged effects of pesticides on human and other animals; legal and moral repercussions of pesticide use. Recommended for graduate-level course: 12 credit hours of biology or ecology	**Pesticides and the Environment** 3 Immediate and prolonged effects of pesticides on human and other animals; legal and moral repercussions of pesticide use. Recommended for graduate-level course: 12 credit hours of biology or ecology	**8-15**

			courses. ~~Offered at 400 and 500 level.~~	courses. Credit not granted for both IPM 452 and IPM 552. Typically offered: Spring.	
MATH	**405**	**New**	--N/A--	**Introduction to Financial Mathematics** 3 Course Prerequisite: Math 172 or 182. Introduction to financial mathematics including the basics of annuities, stocks, bonds, and financial derivatives. Typically offered: Fall.	**8-15**
ME	**306**	**Revise**	**Thermal and Fluids Laboratory** 2 (1-3) Course Prerequisite: ME 301; ME 303; MATH 370 or concurrent enrollment; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Instrumentation, data acquisition, and theory verification in the thermal and fluid sciences.	**(305) Thermal and Fluids Laboratory** 2 (1-3) Course Prerequisite: ME 301; ME 303; MATH 370 or concurrent enrollment; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Instrumentation, data acquisition, and theory verification in the thermal and fluid sciences. Typically offered: Fall and Spring.	**8-15**
ME	**405**	**Revise**	**Thermal Systems Design** 3 Course Prerequisite: ME 404; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Design and analysis of thermofluid systems using principles of thermodynamics, fluid mechanics and heat transfer.	**(402) Thermal Systems Design** 3 Course Prerequisite: ME 404; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Design and analysis of thermofluid systems using principles of thermodynamics, fluid mechanics and heat transfer. Typically offered: Fall and Spring.	**8-15**
NATRS	**304**	**New**	--N/A--	**Ecosystem Field Measurements** 4 (3-3) Course Prerequisites: NATRS 204; NATRS 300 or concurrent enrollment; NATRS 301 or concurrent enrollment. Fixed-area sampling and analytical techniques for assessing count and continuous variables are presented; variable radius sampling methods for forests and biomass estimation procedures for grassland and	**8-15**

				shrub lands are introduced. Typically offered: Fall.	
NATRS	**318**	**New**	--N/A--	**Wildlife Genetics** 3 Course Prerequisite: BIOLOGY 106; BIOLOGY 107; MATH 106 or 107. Application of genetic tools for wildlife conservation and management, including forensics, detection of rare species, and population estimation. Typically offered: Fall, even years. Cooperative: Open to UI degree-seeking students.	**8-15**
NATRS	**404**	**New**	--N/A--	**Sampling for Terrestrial Ecosystem Management** 3 (2-3) Course Prerequisites: NATRS 204; STAT 212 or 412. Simple random sampling, stratified sampling, and sampling in proportion to importance; foundation presented for selecting a sampling scheme, implementing it in the field, and assessing variance. Typically offered: Spring.	**1-16**
PL P / FS	**301**	**New**	**--N/A--**	**Food Mycology** 3 (2-3) Course Prerequisite: MBIOS 101. Survey of the biology and uses of fungi important in the production and storage of foods and beverages. (Crosslisted course offered as PL P 301, FS 301). Typically offered: Fall, odd years.	**8-15**
SPMGT	**101**		--N/A--	**[DIVR] Sport and Popular Culture: Trends and Issues** 3 Explores how sport shapes or reinforces cultural and social values and ideologies. Typically offered: Fall and Spring.	**8-15**
STAT/MATH	**446**	**New**	--N/A--	**Statistical Applications in Insurance** 3 Course Prerequisite: STAT/MATH 443. Introduction to the application of mathematics and statistics to the insurance field with a focus on actuarial science. (Crosslisted course offered as STAT 446,	**1-16**

				MATH 446). Typically offered: Spring.	
STAT/MATH	**447**	**New**	--N/A--	**Introduction to Time Series Analysis** 3 Course Prerequisite: STAT 360 or 370. Introduction to the analysis and application of time series including AR, MA, ARMA, and ARIMA models. (Crosslisted course offered as STAT 447, MATH 447). Typically offered: Fall.	**8-15**