M E M O R A N D U M

TO: Deans and Chairs

FROM: Becky Bitter, Sr. Assistant Registrar

DATE: January 21, 2015

SUBJECT: Minor Change Bulletin No. 7

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ANIM SCI	**351**	**Revise**	**Physiology of Reproduction Laboratory** 1 (0-3) Course Prerequisite: ANIM SCI 350 or concurrent enrollment. Laboratory and field techniques used in animal reproduction involving hormones, artificial insemination, semen evaluation and pregnancy.	**Physiology of Reproduction Laboratory** 1 (0-3) Course Prerequisite: ANIM SCI 350 or concurrent enrollment. Laboratory and field techniques used in animal reproduction involving hormones, artificial insemination, semen evaluation and pregnancy. Cooperative: Open to UI degree-seeking students.	**1-15**
CE	**539**	**Revise**	**Advanced Design of Timber Structures** 3 Engineering properties of wood materials; theory and design of wood composites, connections and load-sharing systems; performance criteria and durability. Required preparation must include CE 436.	**Advanced Design of Timber Structures** 3 Engineering properties of wood materials; theory and design of wood composites, connections and load-sharing systems; performance criteria and durability. Required preparation must include CE 436. Cooperative: Open to UI degree-seeking students.	**1-15**
CHE	**432**	**Revise**	**[M] Chemical Engineering Lab I** 3 (1-6) Course Prerequisite: CHE 321 with a C or better; CHE 332 with a C or better; CHE 334 with a C or better. Statistical design and analysis of experiments; safety; experiments in heat and mass transfer; separations, other unit operations, kinetics, control;	**[M] Chemical Engineering Lab I** 3 (1-6) Course Prerequisite: CHE 321 with a C or better; CHE 332 with a C or better; CHE 334 with a C or better; CHE 352 with a C or better. Statistical design and analysis of experiments; safety; experiments in heat and mass transfer; separations, other unit	**8-15**

			technical reports and presentations.	operations, kinetics, control; technical reports and presentations.	
CHE	**450**	**Revise**	**Chemical Process Analysis and Design I** 3 Course Prerequisite: CHE 321 with a C or better; CHE 332 with a C or better; CHE 334 with a C or better. Chemical engineering design; computer tools; safety and environmental constraints; cost and equipment optimization.	**Chemical Process Analysis and Design I** 3 Course Prerequisite: CHE 321 with a C or better; CHE 332 with a C or better; CHE 334 with a C or better; CHE 352 with a C or better. Chemical engineering design; computer tools; safety and environmental constraints; cost and equipment optimization.	**8-15**
CHEM	**101**	**Revise**	**[PSCI] ~~[P]~~ Introduction to Chemistry** 4 (3-3) Course Prerequisite: ~~MATH 99,~~ or placement into MATH 105, ALEKS math placement score of 40%, or concurrent enrollment in or credit for MATH 105, 106, 107, 108, 140, 171, 172, 182, 201, 202, ENGR 107, STAT 205 or 212. Basic chemical concepts; atomic theory, periodicity, reaction stoichiometry, gases, solutions, acids, basis, pH, equilibrium, kinetics, energy, applications to life sciences.	**[PSCI] Introduction to Chemistry** 4 (3-3) Course Prerequisite: MATH 103, or placement into MATH 105, ALEKS math placement score of 40%, or concurrent enrollment in or credit for MATH 105, 106, 107, 108, 140, 171, 172, 182, 201, 202, ENGR 107, STAT 205 or 212. Basic chemical concepts; atomic theory, periodicity, reaction stoichiometry, gases, solutions, acids, basis, pH, equilibrium, kinetics, energy, applications to life sciences.	**5-15**
CHEM	**512**	**Drop**	**Bioanalysis** 2 Methods for the measurement of biological compounds.	--N/A--	**8-15**
COMSTRAT	**476**	**Revise**	**Consumer Insights and Branding** 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: ~~Certified in any major;~~ junior standing. Advertising account planning based on a thorough understanding of target audiences and consumer research; linking client objectives, account management, creative and media planning.	**Consumer Insights and Branding** 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: Certified major in Communication; junior standing. Advertising account planning based on a thorough understanding of target audiences and consumer research; linking client objectives, account management, creative and media planning.	**5-15**
ENVR SCI	**275**	**Revise**	**~~Watersheds and Communities~~** 3 ~~Course Prerequisite: ENVR~~	**Rivers: Form, Function, and Management** 3 Introduction to	**8-15**

			~~SCI 101. Introduction to basic concepts in hydrology, aquatic ecology, and sustainability.~~	rivers, stream ecology, and restoration.	
ENVR SCI	**404**	**Revise**	**[M] The Ecosystem** 3 Course Prerequisite: ~~CHEM 345; PHYSICS 102 or 202; or graduate standing.~~ Ecosystem organization and processes; theory and applications to contemporary environmental problems. Recommended preparation: BIOLOGY 372.	**[M] The Ecosystem** 3 Course Prerequisite: ENVR SCI 101; BIOLOGY 106; BIOLOGY 372 or concurrent enrollment. Ecosystem organization and processes; theory and applications to contemporary environmental problems. Recommended preparation: BIOLOGY 372.	**8-15**
FS	**532**		**Advanced Food Microbiology** 3 Current topics in food-borne pathogens, including novel detection method, virulence and pathogenesis, and their interaction with environment and host. Recommended preparation: BIOLOGY 107, MBIOS 305, or FS 416.	**Advanced Food Microbiology** 3 Current topics in food-borne pathogens, including novel detection method, virulence and pathogenesis, and their interaction with environment and host. Recommended preparation: BIOLOGY 107, MBIOS 305, or FS 416. Cooperative: Open to UI degree-seeking students.	**1-15**
NATRS	**554**	**Drop**	**[T] [M] Restoration Ecology** 3 (2-3) Ecological principles used to restore biological communities; ecological processes and species on degraded landscapes. Credit not granted for both NATRS 454 and NATRS 554. Offered at 400 and 500 level.	--N/A--	**8-15**
PHARDSCI	**502**	**Revise**	**Integrated Pharmacology I** 3 Course Prerequisite: Admission to Pharmacy program. ~~Medicinal chemistry, drug metabolism, signal transduction, drug development and autonomic pharmacology~~. H, S, F grading.	**Integrated Pharmacology I** 3 Course Prerequisite: Admission to Pharmacy program. Integrated autonomic and central nervous system pharmacology. H, S, F grading.	**5-15**
PHARDSCI	**512**	**Revise**	**Integrated Pharmacology II** 4 Course Prerequisite: PHARDSCI 502. ~~Pharmacology of drugs acting on the cardiovascular system, peripheral sites and central nervous system.~~ H, S, F grading.	**Integrated Pharmacology II** 4 Course Prerequisite: PHARDSCI 502. Integrated hepatic, gastrointestinal and endocrine pharmacology. H, S, F grading.	**5-15**

PHARDSCI	**532**	**Revise**	**Integrated Pharmacology III** 4 Course Prerequisite: PHARDSCI 512. ~~Immunopharmacology (including immunizations), chemotherapeutics (antibiotics, antivirals, and anti-cancer drugs), and endocrine pharmacology.~~ H, S, F grading.	**Integrated Pharmacology III** 4 Course Prerequisite: PHARDSCI 512. Integrated cardiovascular, pulmonary, and renal pharmacology. H, S, F grading.	**5-15**
PHARDSCI	**542**	**Revise**	**Integrated Pharmacology IV** 4 Course Prerequisite: PHARDSCI 532. ~~Pharmaceutical biotechnology, basic toxicology, pharmacogenomics and complementary and alternative medicines.~~ H, S, F grading.	**Integrated Pharmacology IV** 4 Course Prerequisite: PHARDSCI 532. Integrated immuno- and anticancer pharmacology. H, S, F grading.	**5-15**
PHARMACY	**553**	**Revise**	**Introductory Pharmacy Practice Experience IV** 3 (0-9) Course Prerequisite: PHARMACY ~~534~~. Authentic practice situations and service learning with opportunities for discussion and reflection. H, S, F grading.	**Introductory Pharmacy Practice Experience IV** 3 (0-9) Course Prerequisite: PHARMACY 543. Authentic practice situations and service learning with opportunities for discussion and reflection. H, S, F grading.	**8-15**
PHARMACY	**577**	**Revise**	**Diseases, Complications, and Drug Therapy in Obstetrics** 2 Course Prerequisite: ~~PHARMACY 514.~~ Medical and pharmacological issues common in obstetrics. S, F grading.	**Diseases, Complications, and Drug Therapy in Obstetrics** 2 Course Prerequisite: Admission to Pharmacy program. Medical and pharmacological issues common in obstetrics. S, F grading.	**5-15**
PHARMACY	**595**	**Drop**	**Emergency Preparedness and Public Health Response** 1 Course Prerequisite: PHARMACY 544. Terrorism and disaster emergency preparedness and the role of the pharmacist in the public health response. S, F grading.	--N/A--	**8-15**
SOIL SCI	**480**	**Revise**	**Practicum in Organic Agriculture** V 1-6 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: By permission only. Applied principles and practices of organic agriculture; immersion and participation in all required farming/gardening	**Practicum in Organic Agriculture** V 1-6 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: SOIL SCI 478 or concurrent enrollment; by permission only. Applied principles and practices of organic agriculture; immersion	**5-15**

			activities.	and participation in all required farming/gardening activities.	
TCH LRN	**574**	**Revise**	**Science for All: An Individual and Multicultural Perspective** 3 ~~Course Prerequisite: For candidates admitted to MIT.~~ Implications of cultural and individual diversity for understanding western scientific and mathematical thought; an activity-based, educational perspective.	**Science for All: An Individual and Multicultural Perspective** 3 Implications of cultural and individual diversity for understanding western scientific and mathematical thought; an activity-based, educational perspective.	**1-16**