

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 8  
Spring 2014**

---COURSES---

**Faculty Senate Approved March 27, 2014**

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.

<b>Subject</b>	<b>Course Number</b>	<b>New Revise Drop</b>	<b>Current</b>	<b>Proposed</b>	<b>Effective Date</b>
ANIM SCI	166	New	--N/A--	<b>Young Horse Handling 1</b> (0-3) Course Prerequisite: ANIM SCI 101. Effective horse handling skills and techniques. Safety for both horse and human will be emphasized and prioritized throughout the course. S, F grading.	<b>8-14</b>
E E/CPT S	439	New	--N/A--	<b>Critical Infrastructure Security: The Emerging Smart Grid 3</b> Course Prerequisite: Senior standing. Smart electric grid, communication networks, distributed computing, fault tolerant computing, cyber security, analyzing interdependencies between the smart grid components, smart grid standards and protocols. (Crosslisted course offered as E E 439, CPT S 439) Credit not granted for both E E/CPT S 439 and E E/CPT S 539. Offered at 400 and 500 level.	<b>8-14</b>
PHARDSCI	528	Revise	<b>Pharmacokinetics 3</b> Course Prerequisite: PHARDSCI 518. Qualitative and quantitative understanding of the processes of drug absorption, distribution, and elimination.	<b>Pharmacokinetics 3</b> Course Prerequisite: PHARDSCI 518. Qualitative and quantitative understanding of the processes of drug absorption, distribution, and elimination. <u>H, S, F</u> grading.	<b>8-14</b>
PHARDSCI	532	Revise	<b>Integrated Pharmacology III 4</b> Course Prerequisite: PHARDSCI 512. Immunopharmacology (including immunizations),	<b>Integrated Pharmacology III 4</b> Course Prerequisite: PHARDSCI 512. Immunopharmacology (including immunizations),	<b>8-14</b>

			chemotherapeutics (antibiotics, antivirals, and anti-cancer drugs), and endocrine pharmacology.	chemotherapeutics (antibiotics, antivirals, and anti-cancer drugs), and endocrine pharmacology. <u>H, S, F grading.</u>	
<b>PHARDSCI</b>	<b>542</b>	<b>Revise</b>	<b>Integrated Pharmacology IV 4</b> Course Prerequisite: PHARDSCI 532. Pharmaceutical biotechnology, basic toxicology, pharmacogenomics and complementary and alternative medicines.	<b>Integrated Pharmacology IV 4</b> Course Prerequisite: PHARDSCI 532. Pharmaceutical biotechnology, basic toxicology, pharmacogenomics and complementary and alternative medicines. <u>H, S, F grading.</u>	<b>8-14</b>
<b>PHARMACY</b>	<b>531</b>	<b>Revise</b>	<b>Applied Patient Care II: Clinical Assessment and Documentation 1</b> (0-3) Course Prerequisite: PHARMACY 501. Clinical assessment and documentation skills necessary for effective pharmaceutical care.	<b>Applied Patient Care II: Clinical Assessment and Documentation 1</b> (0-3) Course Prerequisite: PHARMACY 501. Clinical assessment and documentation skills necessary for effective pharmaceutical care. <u>H, S, F grading.</u>	<b>8-14</b>
<b>PHARMACY</b>	<b>533</b>	<b>Revise</b>	<b>Introductory Pharmacy Practice Experience II 3</b> (0-9) Course Prerequisite: <u>PHARMACY 513;</u> <u>PHARMACY 514;</u> <u>PHARMACY 516;</u> <u>PHARDSCI 512;</u> <u>PHARDSCI 518;</u> <u>PHARDSCI 519.</u> Authentic practice situations and service learning with opportunities for discussion and reflection.	<b>Introductory Pharmacy Practice Experience II 3</b> (0-9) Course Prerequisite: <u>PHARDSCI 512;</u> <u>PHARDSCI 518;</u> <u>PHARDSCI 519;</u> <u>PHARMACY 513;</u> <u>PHARMACY 514;</u> <u>PHARMACY 516.</u> Authentic practice situations and service learning with opportunities for discussion and reflection. <u>H, S, F grading.</u>	<b>8-14</b>
<b>PHARMACY</b>	<b>534</b>	<b>Revise</b>	<b>Pharmacotherapy II 4</b> Course Prerequisite: <del>PHARMACY 514;</del> <del>PHARDSCI 512;</del> <del>concurrent enrollment in PHARDSCI 532.</del> Second in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease.	<b>Pharmacotherapy II 4</b> Course Prerequisite: <u>PHARDSCI 512;</u> <u>concurrent enrollment in PHARDSCI 532;</u> <u>PHARMACY 514.</u> Second in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease. <u>H, S, F grading.</u>	<b>8-14</b>
<b>PHARMACY</b>	<b>541</b>	<b>Revise</b>	<b>Applied Patient Care III: Medication Therapy Management 1</b> (0-3) Course Prerequisite: PHARMACY 531. Identification of pertinent patient findings, assessment of drug-related problems and clinical problem solving.	<b>Applied Patient Care III: Medication Therapy Management 1</b> (0-3) Course Prerequisite: PHARMACY 531. Identification of pertinent patient findings, assessment of drug-related problems and clinical problem solving. <u>H, S, F grading.</u>	<b>8-14</b>

PHARMACY	543	Revise	<b>Introductory Pharmacy Practice Experience III 1</b> Course Prerequisite: PHARMACY 527; PHARMACY 531; PHARMACY 533; PHARMACY 534; PHARDSCI 528; PHARDSCI 532. Authentic practice situations and service learning with opportunities for discussion and reflection.	<b>Introductory Pharmacy Practice Experience III 1</b> Course Prerequisite: PHARDSCI 528; PHARDSCI 532; PHARMACY 527; PHARMACY 531; PHARMACY 533; PHARMACY 534. Authentic practice situations and service learning with opportunities for discussion and reflection. <u>H, S, F grading.</u>	8-14
PHARMACY	544	Revise	<b>Pharmacotherapy III 4 Course</b> Prerequisite: PHARMACY 534; concurrent enrollment in PHARDSCI 542. Third in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease.	<b>Pharmacotherapy III 4 Course</b> Prerequisite: PHARMACY 534; concurrent enrollment in PHARDSCI 542. Third in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease. <u>H, S, F grading.</u>	8-14
PHARMACY	545	Revise	<b>Pharmacy Management 3</b> Course Prerequisite: Admission to Pharmacy program. Management principles essential for common practice settings in the profession of pharmacy.	<b>Pharmacy Management 3</b> Course Prerequisite: Admission to Pharmacy program. Management principles essential for common practice settings in the profession of pharmacy. <u>H, S, F grading.</u>	1-15
PHARMACY	551	Revise	<b>Applied Patient Care IV: Advanced Medication Therapy Management 1 (0-3) Course</b> Prerequisite: PHARMACY 541. Medication therapy management for complex patients; case-based discussions and human patient simulation.	<b>Applied Patient Care IV: Advanced Medication Therapy Management 1 (0-3) Course</b> Prerequisite: PHARMACY 541. Medication therapy management for complex patients; case-based discussions and human patient simulation. <u>H, S, F grading.</u>	8-15
PHARMACY	553	Revise	<b>Introductory Pharmacy Practice Experience IV 3 (0-9)</b> Course Prerequisite: PHARMACY 541; PHARMACY 543; PHARMACY 544; PHARMACY 546; PHARDSCI 542. Authentic practice situations and service learning with opportunities for discussion and reflection.	<b>Introductory Pharmacy Practice Experience IV 3 (0-9)</b> Course Prerequisite: PHARDSCI 542; PHARMACY 541; PHARMACY 543; PHARMACY 544; PHARMACY 546. Authentic practice situations and service learning with opportunities for discussion and reflection. <u>H, S, F grading.</u>	8-15
PHARMACY	554	Revise	<b>Pharmacotherapy IV 4 Course</b>	<b>Pharmacotherapy IV 4 Course</b>	8-15

			Prerequisite: PHARMACY 544. Fourth in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease.	Prerequisite: PHARMACY 544. Fourth in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease. <u>H, S, F</u> grading.	
PHARMACY	555	Revise Part I	<b>Drug Information and Literature Evaluation</b> 3-Course Prerequisite: <del>PHARMACY 527</del> . Evaluation of drug information in pharmaceutical and biomedical literature to provide better patient care.	<b>Drug Information and Literature Evaluation</b> 4 Course Prerequisite: PHARMACY 544. Evaluation of drug information in pharmaceutical and biomedical literature to provide better patient care.	8-14
PHARMACY	555	Revise Part II	<b>Drug Information and Literature Evaluation</b> 4 Course Prerequisite: PHARMACY 544. Evaluation of drug information in pharmaceutical and biomedical literature to provide better patient care.	<b>Drug Information and Literature Evaluation</b> 4 Course Prerequisite: PHARMACY 544. Evaluation of drug information in pharmaceutical and biomedical literature to provide better patient care. <u>H, S, F</u> grading.	8-15
PHARMACY	557	Revise	<b>Pharmacotherapy V</b> 4 Course Prerequisite: PHARMACY 554. Fifth in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease.	<b>Pharmacotherapy V</b> 4 Course Prerequisite: PHARMACY 554. Fifth in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease. <u>H, S, F</u> grading.	8-15
PHARMACY	558	Revise	<b>Applied Clinical Pharmacokinetics</b> 2 Course Prerequisite: PHARDSCI 528. Clinical applications of pharmacokinetics including theoretical background and application to patient care.	<b>Applied Clinical Pharmacokinetics</b> 2 Course Prerequisite: PHARDSCI 528. Clinical applications of pharmacokinetics including theoretical background and application to patient care. <u>H, S, F</u> grading.	8-15
PHARMACY	559	Revise	<b>Quality Assurance and Patient Safety</b> 2 Course Prerequisite: Admission to Pharmacy program. Patient safety issues including quality assurance, medication error avoidance and risk management in healthcare systems.	<b>Quality Assurance and Patient Safety</b> 2 Course Prerequisite: Admission to Pharmacy program. Patient safety issues including quality assurance, medication error avoidance and risk management in healthcare systems. <u>H, S, F</u> grading.	8-14
PHARMACY	561	Revise	<b>Applied Patient Care V: Integrated Patient Care</b> 1 (0-3) Course Prerequisite:	<b>Applied Patient Care V: Integrated Patient Care</b> 1 (0-3) Course Prerequisite:	8-15

			PHARMACY 551. Integration of pharmaceutical care with an interdisciplinary emphasis using patient cases and human patient simulation.	PHARMACY 551. Integration of pharmaceutical care with an interdisciplinary emphasis using patient cases and human patient simulation. <u>H, S, F grading.</u>	
PHARMACY	563	Revise Part I	<b>Introductory Pharmacy Practice Experience V <del>2</del>(1-2)</b> Course Prerequisite: PHARMACY 551; PHARMACY 553; PHARMACY 554; PHARMACY 555; PHARMACY 558; PHARMACY 559. <del>Prereq successful completion of third year fall coursework.</del> Authentic practice situations and service learning with opportunities for discussion and reflection.	<b>Introductory Pharmacy Practice Experience V <u>2</u> Course</b> Prerequisite: PHARMACY 551; PHARMACY 553; PHARMACY 554; PHARMACY 555; PHARMACY 558; PHARMACY 559. Authentic practice situations and service learning with opportunities for discussion and reflection.	8-14
PHARMACY	563	Revise Part II	<b>Introductory Pharmacy Practice Experience V 2 Course</b> Prerequisite: PHARMACY 551; PHARMACY 553; PHARMACY 554; PHARMACY 555; PHARMACY 558; PHARMACY 559. Authentic practice situations and service learning with opportunities for discussion and reflection.	<b>Introductory Pharmacy Practice Experience V <u>2</u> Course</b> Prerequisite: PHARMACY 551; PHARMACY 553; PHARMACY 554; PHARMACY 555; PHARMACY 558; PHARMACY 559. Authentic practice situations and service learning with opportunities for discussion and reflection. <u>H, S, F grading.</u>	8-15
PHARMACY	564	Revise	<b>Pharmacy Law and Regulatory Affairs 3 Course</b> Prerequisite: Admission to Pharmacy program. Legal and ethical pharmacy practice including licensing, patient privacy protection, order fulfillment and contracts.	<b>Pharmacy Law and Regulatory Affairs 3 Course</b> Prerequisite: Admission to Pharmacy program. Legal and ethical pharmacy practice including licensing, patient privacy protection, order fulfillment and contracts. <u>H, S, F grading.</u>	8-15
PHARMACY	565	Revise Part I	<b>Parenteral Products 2 (0-4) Course</b> Prerequisite: PHARDSCI 519; PHARMACY 554. Preparation and administration of compounded parenteral products; patient case discussions and student presentations.	<b>Parenteral Products 2 (0-4) Course</b> Prerequisite: PHARDSCI 519; PHARMACY 554. Preparation and administration of compounded parenteral products; patient case discussions and student presentations. <u>H, S, F grading.</u>	8-14

PHARMACY	565	Revise Part II	<b>Parenteral Products 2 (0-4)</b> Course Prerequisite: PHARDSCI 519; PHARMACY 554. Preparation and administration of compounded parenteral products; patient case discussions and student presentations. <del>H, S, F grading.</del>	<b>Parenteral Products 2 (0-4)</b> Course Prerequisite: PHARDSCI 519; PHARMACY 554. Preparation and administration of compounded parenteral products; patient case discussions and student presentations.	1-15
PHARMACY	566	Revise	<b>Therapeutics of Special Populations 3 Course</b> Prerequisite: PHARMACY 554. Special therapeutic needs of unique populations including pediatrics, chronic neurologic disorders, hospice care and immuno-compromised patients.	<b>Therapeutics of Special Populations 3 Course</b> Prerequisite: PHARMACY 554. Special therapeutic needs of unique populations including pediatrics, chronic neurologic disorders, hospice care and immuno-compromised patients. <u>H, S, F grading.</u>	8-15