

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 9
Spring 2013**

---COURSES---

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.

| Prefix | Course Number | New Revise Drop | Current | Proposed | Effective Date |
|---------------|----------------------|--------------------------------|----------------|---|-----------------------|
| MEDS | 540 | New | --N/A-- | Introduction to Cardiovascular Medicine 4 Course Prerequisite: Successful completion of first-year core curriculum. Introduction to cardiovascular medicine in preparation for caring for patients in hospitals and clinics. S, F grading. | 8-13 |
| MEDS | 541 | New | --N/A-- | Respiratory 3 Course Prerequisite: Successful completion of first-year core curriculum. Scientific foundations that underlie the function of the respiratory system. S, F grading. | 8-13 |
| MEDS | 542 | New | --N/A-- | Introduction to Clinical Medicine IIA 3 Course Prerequisite: Successful completion of first-year core curriculum. Continued instruction in communications skills and interview techniques to form the basis for the eventual doctor-patient relationship. S, F grading. | 1-14 |
| MEDS | 543 | New | --N/A-- | Principles of Pharmacology I 3 Course Prerequisite: Successful completion of first-year core curriculum. In-depth physiology and pathophysiology of systems and the relevant pharmacology as it applies to these systems. S, F grading. | 8-13 |
| MEDS | 547 | New | --N/A-- | Pathology IIA 3 Course | 8-13 |

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| | | | | Prerequisite: Successful completion of first-year core curriculum. The pathogenesis of disease; cellular and molecular changes that lead to expression of a disease. S, F grading. | |
| MEDS | 548 | New | --N/A-- | Clinical Ethics 1 Course Prerequisite: Successful completion of first-year core curriculum. Clinical ethics and tools for ethical reasoning that support current and future work. S, F grading. | 8-13 |
| MEDS | 550 | New | --N/A-- | Introduction to Clinical Medicine IIB 3 Course Prerequisite: MEDS 542. Continued instruction in communications skills and interview techniques to form the basis for the eventual doctor-patient relationship. S, F grading. | 1-14 |
| MEDS | 551 | New | --N/A-- | Gastrointestinal 3 Course Prerequisite: Successful completion of first-year core curriculum. The gastrointestinal system and associated problems with this system. S, F grading. | 1-14 |
| MEDS | 552 | New | --N/A-- | Hematology 2 Course Prerequisite: Successful completion of first-year core curriculum. Development and function of blood and the pathophysiology of the different types of disorders dealing with blood. S, F grading. | 1-14 |
| MEDS | 554 | New | --N/A-- | Genetics 1 Course Prerequisite: Successful completion of first-year core curriculum. Principles of genetics and how they are utilized in current medical practice. S, F grading. | 1-14 |
| MEDS | 555 | New | --N/A-- | Medicine, Health, and Society 2 Course Prerequisite: Successful completion of first-year core curriculum. Health policy and public health and the | 1-14 |

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| | | | | relation to practicing medicine. S, F grading. | |
| MEDS | 556 | New | --N/A-- | Hormones and Nutrients 3 Course Prerequisite: Successful completion of first-year core curriculum. Hormone production and function, nutrients, and the pathology and clinical manifestations of endocrine and metabolic diseases. S, F grading. | 1-14 |
| MEDS | 557 | New | --N/A-- | Pathology IIB 1 Course Prerequisite: MEDS 547. Introduction of pathology in preparation for caring for patients in hospitals and clinics. S, F grading. | 1-14 |
| MEDS | 558 | New | --N/A-- | Rheumatology 1 Course Prerequisite: Successful completion of first-year core curriculum. Immunology, anatomy, and introduction to clinical medicine to what will be seen in later medical education in clerkship rotations. S, F grading. | 1-14 |
| MEDS | 560 | New | --N/A-- | Introduction to Clinical Medicine IIC 3 Course Prerequisite: MEDS 550. Continued instruction in communications skills and interview techniques to form the basis for the eventual doctor-patient relationship. S, F grading. | 1-14 |
| MEDS | 562 | New | --N/A-- | The Urinary System 3 Course Prerequisite: Successful completion of first-year core curriculum. Anatomy, physiology, and pathophysiology as it relates to the urinary tract. S, F grading. | 1-14 |
| MEDS | 563 | New | --N/A-- | Brain and Behavior 2 Course Prerequisite: Successful completion of first-year core curriculum. Major psychiatric disorders defined; a systemic approach to differential | 8-13 |

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| | | | | diagnosis. S, F grading. | |
| MEDS | 564 | New | --N/A-- | Principles of Pharmacology II 2 Course Prerequisite: Successful completion of first-year core curriculum. Introduction to drugs used to treat behavioral disorders, neurological disorders, and pain. S, F grading. | 1-14 |
| MEDS | 566 | New | --N/A-- | Pathology IIC 2 Course Prerequisite: MEDS 557. Perinatal pathology with focus on patients between conception and early infancy; encompasses the transition from a "parasitic" existence in utero to independent viability outside the womb. S, F grading. | 1-14 |
| MEDS | 567 | New | --N/A-- | Dermatology/Skin System 1 Course Prerequisite: Successful completion of first-year core curriculum. Anatomy, biochemistry, physiology, pathology, and immunology of the skin. S, F grading. | 8-13 |
| NATRS | 446 | Revise | [M] Wildlife Habitat Ecology 3 The ecology of how wildlife use, respond to, and affect resources in their environment. | [M] Wildlife Habitat Ecology 3 (2-3) The ecology of how wildlife use, respond to, and affect resources in their environment. | 1-14 |
| PHARDSCI | 502 | Revise | Integrated Pharmacology I 3 Course Prerequisite: Admission to Pharmacy program. Medicinal chemistry, drug metabolism, signal transduction, drug development and autonomic pharmacology. | Integrated Pharmacology I 3 Course Prerequisite: Admission to Pharmacy program. Medicinal chemistry, drug metabolism, signal transduction, drug development and autonomic pharmacology. <u>H, S, F grading.</u> | 8-13 |
| PHARDSCI | 503 | Revise | Pathophysiology with Medical Terminology 4 Course Prerequisite: Admission to Pharmacy program. Review of human physiology along with an overview of human pathophysiology, including medical terminology. | Pathophysiology with Medical Terminology 4 Course Prerequisite: Admission to Pharmacy program. Review of human physiology along with an overview of human pathophysiology, including medical terminology. <u>H, S, F grading.</u> | 8-13 |
| PHARDSCI | 508 | Revise | Pharmaceutics I 3 Course | Pharmaceutics I 3 Course | 8-13 |

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| | | | Prerequisite: Admission to Pharmacy program. Principles of dosage from design and drug delivery, with an emphasis on physiochemical principles. | Prerequisite: Admission to Pharmacy program. Principles of dosage from design and drug delivery, with an emphasis on physiochemical principles. <u>H, S, F grading.</u> | |
| 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. | Integrated Pharmacology II 4 Course Prerequisite: PHARDSCI 502. Pharmacology of drugs acting on the cardiovascular system, peripheral sites and central nervous system. <u>H, S, F grading.</u> | 8-13 |
| PHARDSCI | 515 | Revise | Immunology 2 Course Prerequisite: Admission to Pharmacy program. Fundamentals of immunology, including the immunological mechanisms that underlie prevention and clearance of infectious diseases, and immune reactions that contribute to disease; mechanism of action of immunotherapeutic and immunomodulatory agents. | Immunology 2 Course Prerequisite: Admission to Pharmacy program. Fundamentals of immunology, including the immunological mechanisms that underlie prevention and clearance of infectious diseases, and immune reactions that contribute to disease; mechanism of action of immunotherapeutic and immunomodulatory agents. <u>H, S, F grading.</u> | 8-13 |
| PHARDSCI | 518 | Revise | Pharmaceutics II 2 Course Prerequisite: PHARDSCI 508. Principles of dosage from design and drug delivery, with an emphasis on pharmaceutical technology and biopharmaceutics. | Pharmaceutics II 2 Course Prerequisite: PHARDSCI 508. Principles of dosage from design and drug delivery, with an emphasis on pharmaceutical technology and biopharmaceutics. <u>H, S, F grading.</u> | 8-13 |
| PHARDSCI | 519 | Revise | Pharmaceutics Laboratory 1 (0-3) Course Prerequisite: PHARDSCI 504; PHARDSCI 508. Laboratory experience in the preparation of medicines. | Pharmaceutics Laboratory 1 (0-3) Course Prerequisite: PHARDSCI 504; PHARDSCI 508. Laboratory experience in the preparation of medicines. <u>H, S, F grading.</u> | 8-13 |
| PHARMACY | 505 | Revise | Pharmacy Practice Foundations 2 Course Prerequisite: Admission to Pharmacy program. Perspectives into the profession of pharmacy; pharmacy law, ethics, and careers. | Pharmacy Practice Foundations 2 Course Prerequisite: Admission to Pharmacy program. Perspectives into the profession of pharmacy; pharmacy law, ethics, and careers. <u>H, S, F grading.</u> | 8-13 |

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| PHARMACY | 507 | Revise | Introduction to Therapeutic Agents: Top 200 Drugs 1 (0-3) Course Prerequisite: Admission to Pharmacy program. Drugs most frequently prescribed in the US as a basis for pharmacy practice. | Introduction to Therapeutic Agents: Top 200 Drugs 1 (0-2) Course Prerequisite: Admission to Pharmacy program. Drugs most frequently prescribed in the US as a basis for pharmacy practice. <u>H, S, F grading.</u> | 8-13 |
| PHARMACY | 509 | Revise | Professional Communications Lab 1 (0-3) Course Prerequisite: Admission to Pharmacy program. Professional communication skills as an essential foundation for career development. | Professional Communications Lab 1 (0-3) Course Prerequisite: Admission to Pharmacy program. Professional communication skills as an essential foundation for career development. <u>H, S, F grading.</u> | 8-13 |
| PHARMACY | 513 | Revise | Introductory Pharmacy Practice Experience I 1 Course Prerequisite: PHARMACY 505; PHARMACY 507; PHARMACY 509; PHARDSCI 502; PHARDSCI 503; PHARDSCI 504; PHARDSCI 508. Prepares student pharmacists for community practice experience and service learning activities. | Introductory Pharmacy Practice Experience I 1 Course Prerequisite: PHARMACY 505; PHARMACY 507; PHARMACY 509; PHARDSCI 502; PHARDSCI 503; PHARDSCI 504; PHARDSCI 508. Prepares student pharmacists for community practice experience and service learning activities. <u>H, S, F grading.</u> | 8-13 |
| PHARMACY | 514 | Revise | Pharmacotherapy I 4 Course Prerequisite: PHARDSCI 502; PHARMACY 505. First in a sequence of courses that focuses on the clinical use of medications in the prevention, mitigation, or cure of disease. | Pharmacotherapy I 4 Course Prerequisite: PHARDSCI 502; PHARMACY 505. First 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> | 8-13 |
| PHARMACY | 516 | Revise | Health Care Systems 2 Course Prerequisite: Admission to Pharmacy program. US healthcare system, financing of health care delivery and the role of the pharmacist. | Health Care Systems 2 Course Prerequisite: Admission to Pharmacy program. US healthcare system, financing of health care delivery and the role of the pharmacist. <u>H, S, F grading.</u> | 8-13 |
| PHARMACY | 581 | Revise | Acute Care Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; | Acute Care Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; | 5-13 |

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| | | | PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute care settings. S, F grading. | PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute care settings. <u>H, S, F grading.</u> | |
| PHARMACY | 582 | Revise | Ambulatory Care Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in ambulatory care settings. S, F grading. | Ambulatory Care Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in ambulatory care settings. <u>H, S, F grading.</u> | 5-13 |
| PHARMACY | 583 | Revise | Community Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in a community pharmacy setting. S, F grading. | Community Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in a community pharmacy setting. <u>H, S, F grading.</u> | 5-13 |
| PHARMACY | 584 | Revise | Institutional Advanced Practice Experience 5 (0-5) May be repeated for credit; cumulative maximum 5 hours. Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced | Institutional Advanced Practice Experience 5 (0-5) May be repeated for credit; cumulative maximum 5 hours. Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced | 5-13 |

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| | | | practice experience in an institutional pharmacy setting. S, F grading. | practice experience in an institutional pharmacy setting. <u>H, S, F grading.</u> | |
| PHARMACY | 585 | Revise | Elective I Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute or ambulatory patient care settings. S, F grading. | Elective I Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute or ambulatory patient care settings. <u>H, S, F grading.</u> | 5-13 |
| PHARMACY | 586 | Revise | Elective II Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute, ambulatory, or non-traditional patient care. S, F grading. | Elective II Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in acute, ambulatory, or non-traditional patient care. <u>H, S, F grading.</u> | 5-13 |
| PHARMACY | 587 | Revise | Elective III Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in various health care settings. S, F grading. | Elective III Advanced Practice Experience 5 (0-5) Course Prerequisite: PHARMACY 561; PHARMACY 563; PHARMACY 564; PHARMACY 565; PHARMACY 566; PHARMACY 567; PHARMACY 568; PHARMACY 569. Advanced practice experience in various health care settings. <u>H, S, F grading.</u> | 5-13 |

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Spring 2013

---REQUIREMENTS---

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

| Dept | Proposed | Effective Date |
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| Economic Sciences Revise Minor in Economics | Economics To be eligible to certify in an economics minor, students must have a cumulative 2.0 gpa. A minor in economics requires 18 hours of ECONS courses, nine of which must be at the 300–400–level with an overall 2.0 gpa in the required courses and taken in residence at WSU or through WSU–approved education abroad or educational exchange courses. ECONS 101 and 102 (or 198 and a 300/400–level ECONS courses), and 302 or 320 are required. In addition, ECONS 301 or 305, and <u>two-one</u> 300–level or higher ECONS electives are required (only three hours of ECONS 497 or 499 may be used to fulfill the upper–division ECONS electives requirement). Only ECONS 497 or 499 may be taken pass, fail. | 8-13 |