

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 5
Fall 2011**

---COURSES---

Faculty Senate Approved 2/9/2012

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 |
|----------------|----------------------|--------------------------------|---|---|-----------------------|
| BIOLOGY | 430 | Revise | Methods of Teaching Science 3 (2-3) Prereq 36 hours science. Methods, philosophy, and structure of science; application in teaching middle and secondary school science courses. | Methods of Teaching Science 3 Course Prerequisite: Junior standing. Methods, philosophy, and structure of science; application in teaching middle and secondary school science courses. (Crosslisted course offered as BIOLOGY 430, SCIENCE 430) | 8-12 |
| Chin | 261 | New | --N/A-- | Chinese for the Professions 3 Prereq Chin 102 with a grade of C or better, or equivalent. Profession-specific language skills training - healthcare, law enforcement, business - with emphasis on speaking and listening. Not open to native speakers except with permission. | 1-12 |
| Chin | 361 | Revise | Chinese for the Professions 3 Prereq Chin 204 with a grade of C or better. Communication in Chinese in the professional setting; telephone and meeting role play, letter writing, television and discussion of current events. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (CHIN 361). | <u>Advanced</u> Chinese for the Professions 3 Prereq Chin 204 with a grade of C or better. Communication in Chinese in the professional setting; telephone and meeting role play, letter writing, television and discussion of current events. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (CHIN 361). | 1-12 |
| CropS | 444 | Drop | Plant Breeding I 2 Prereq Biol 106, 120, CropS 202, or Hort 202. Rec MBioS 301. Genetic | --N/A-- | 1-12 |

| | | | | | |
|--------------|------------|---------------|--|--|-------------|
| | | | principles underlying plant breeding and an introduction to plant breeding. | | |
| CropS | 445 | Revise | [M] Plant Breeding II 2 Prereq Crops/Hort 444 or MBioS 301. Principles and practices of plant breeding. | [M] Plant Breeding 4 Prereq MBioS 301. <u>Genetic principles underlying plant breeding and an introduction to the principles and practices of plant breeding.</u> | 1-12 |
| CS | 251 | Revise | C Programming Language 2 Prereq Math 171 with a C or better or c//. Comprehensive programming practice using C. | C Programming for Engineers 4 (3-3) Course Prerequisite: MATH 171 with a C or better or concurrent enrollment. <u>Introduction to the C programming language and application to engineering problem solving; introduction to data structures, sorting and searching; laboratory use of integrated development environments and debugging tools.</u> | 8-12 |
| ECE | 421 | New | --N/A-- | Microsystems in Renewable Energy 3 (2-3) Prereq Phys 202. Materials, structures, and devices used in renewable energy systems with the focus on solar cells. | 1-12 |
| ECE | 452 | New | [T,M] Capstone Design II 3 (4-6) Prereq ECE 451. Execution phase of the senior design project course sequence; independent or team project proposed in ECE 451 is designed and implemented. | [T,M] Capstone Design II 3 Prereq ECE 451. Execution phase of the senior design project course sequence; independent or team project proposed in ECE 451 is designed and implemented. | 1-12 |
| Fren | 261 | New | --N/A-- | French for the Professions 3 Prereq Fren 102 with a grade of C or better, or equivalent. Profession-specific language skills training - healthcare, law enforcement, business - with emphasis on speaking and listening. Not open to native speakers except with permission. | 1-12 |
| Fren | 361 | Revise | French for the Professions 3 Prereq Fren 204 with a grade of C or better, or equivalent. Communication in French for | <u>Advanced French for the Professions 3</u> Prereq Fren 204 with a grade of C or better, or equivalent. Communication in | 1-12 |

| | | | | | |
|-----------------|------------|---------------|---|--|-------------|
| | | | professional purposes; telephone and meeting role-plays, letter- and resume-writing, discussions of current events in the Francophone world. | French for professional purposes; telephone and meeting role-plays, letter- and resume-writing, discussions of current events in the Francophone world. <u>Not open to native speakers except with permission.</u> | |
| Hort | 444 | Drop | Plant Breeding I 2 Prereq Biol 106, 120, CropS 202, or Hort 202. Rec MBioS 301. Same as CropS 444. | --N/A-- | 1-12 |
| Hort | 445 | Revise | [M] Plant Breeding II 2 Prereq CropS/Hort 444 or MBioS 301. Same as CropS 445. | [M] Plant Breeding 4 Prereq MBioS 301. Same as CropS 445. | 1-12 |
| MBIOS | 411 | Revise | Diagnostic Medical Bacteriology 2 (0-6) Prereq MBioS 410 or e#. Techniques and tests for the identification of bacteria pathogenic for humans. | [M] Diagnostic Medical Bacteriology 3 (1-6) Course Prerequisite: <u>MBIOS 304</u> ; MBIOS 410 or <u>concurrent enrollment</u> . Techniques and tests for the identification of bacteria pathogenic for humans. | 8-12 |
| NEUROSCI | 426 | New | --N/A-- | Integrative Physiology - Laboratory 1 (0-3) Course Prerequisite: concurrent enrollment in NEUROSCI 425. Optional laboratory component of NEUROSCI 425; Laboratory to complement Integrative Physiology; quantitative and modeling based examination of physiological systems and aspects of their regulation. | 5-12 |
| PHARMACY | 563 | Revise | Introductory Pharmacy Practice Experience V 1 (0-2) Prereq successful completion of third year fall coursework. Authentic practice situations and service learning with opportunities for discussion and reflection. | Introductory Pharmacy Practice Experience V 2 (1-2) Course Prerequisite: successful completion of third year fall coursework. Authentic practice situations and service learning with opportunities for discussion and reflection. | 8-12 |
| PharD | 568 | Drop | Patient Cases and Professional Presentations 1 (0-2) Prereq PharD 514, 534, 544, 554. Professional presentation/communication skills in pharmacy; focus on | --N/A-- | 8-12 |

| | | | | | |
|----------------|------------|---------------|--|--|-------------|
| | | | public speaking in various formats. | | |
| PharD | 578 | | --N/A-- | Leadership and Professional Development 2 Course Prerequisite: successful completion of second year spring coursework. Skills, traits, and values required by leaders seeking to influence change in the pharmacy profession and health care. S, F grading. | 1-12 |
| Rus | 261 | New | --N/A-- | Russian for the Professions 3 Prereq Rus 102 with a grade of C or better, or equivalent. Profession-specific language skills training - healthcare, law enforcement, business - with emphasis on speaking and listening. Not open to native speakers except with permission. | 1-12 |
| Rus | 361 | Revise | Russian for the Professions 3 Prereq Rus 204 with a grade of C or better, or equivalent. Communication in Russian for professional purposes; telephone and meeting role-plays; letter and resume writing; discussions of current events in the Russian-speaking world. Cooperative course taught by WSU, open to UI students (RUSS 361). | Advanced Russian for the Professions 3 Prereq Rus 204 with a grade of C or better, or equivalent. Communication in Russian for professional purposes; telephone and meeting role-plays; letter and resume writing; discussions of current events in the Russian-speaking world. <u>Not open to native speakers except with permission.</u> Cooperative course taught by WSU, open to UI students (RUSS 361). | 1-12 |
| SCIENCE | 430 | Revise | (Ph S) Methods of Teaching Science 3 (2-3) Prereq 36 hours science. Same as Biol 430. | Methods of Teaching Science 3 Course <u>Prerequisite: Junior standing. Methods, philosophy, and structure of science; application in teaching middle and secondary school science courses. (Crosslisted course offered as BIOLOGY 430, SCIENCE 430)</u> | 8-12 |
| SHS | 480 | Revise | Senior Seminar 2 Specialized topics in speech and hearing sciences. | [T] Senior Seminar 3 <u>Prereq 60 semester credit hours completed; SHS 473 or c//. Synthesis of theory and evidence underlying</u> | 1-12 |

| | | | | | |
|-------------|------------|---------------|--|---|-------------|
| | | | | <u>professional principles and practices inclusive of multicultural populations in speech-language pathology and audiology.</u> | |
| Span | 261 | New | --N/A-- | Spanish for the Professions 3 Prereq Span 102 with a grade of C or better, or equivalent. Profession-specific language skills training - healthcare, law enforcement, business - with emphasis on speaking and listening. | 1-12 |
| Span | 361 | Revise | [C] Spanish for the Business Professions 3 Prereq Span 204. Specialized language training for business professionals including basic concepts and economies of Hispanic countries. | [C] Spanish for the Business Professions 3 Prereq Span 204. Specialized language training for business professionals including basic concepts and economies of Hispanic countries. <u>Not open to native speakers except with permission.</u> | 1-12 |
| Span | 362 | Revise | [C] Spanish for the Health Professions 3 Prereq Span 204. Specialized language training for health professionals focusing on the main systems of human anatomy. | [C] Spanish for the Business Professions 3 Prereq Span 204. Specialized language training for health professionals focusing on the main systems of human anatomy. <u>Not open to native speakers except with permission.</u> | 1-12 |
| Span | 363 | Revise | [C] Spanish for Law Enforcement 3 Prereq Span 204. Specialized language training in the law enforcement profession. | [C] Spanish for the Law Enforcement 3 Prereq Span 204. Specialized language training in the law enforcement profession. <u>Not open to native speakers except with permission.</u> | 1-12 |
| Span | 364 | Revise | [C] Spanish for Veterinarians 3 Prereq Span 204. Spanish language and culture for veterinary professionals; client-veterinarian situations with specialized terms considering cultural aspects. | [C] Spanish for Veterinarians 3 Prereq Span 204. Spanish language and culture for veterinary professionals; client-veterinarian situations with specialized terms considering cultural aspects. <u>Not open to native speakers except with permission.</u> | 1-12 |

| | | | | | |
|-------------|------------|---------------|--|---|-------------|
| Span | 365 | Revise | <p>[C] Spanish for Translation and Interpretation Professions 3 Prereq Span 204. Specialized Spanish language training in written translation; spoken interpretation techniques to facilitate high quality cross-cultural communication.</p> | <p>[C] Spanish for Translation and Interpretation Professions 3 Prereq Span 204. Specialized Spanish language training in written translation; spoken interpretation techniques to facilitate high quality cross-cultural communication. <u>Not open to native speakers except with permission.</u></p> | 1-12 |
|-------------|------------|---------------|--|---|-------------|