

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 3

Fall 2012

---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
BIOLOGY	428	Revise	Mammalogy 4 (2-6) Course Prerequisite: BIOLOGY 106. Ecology, systematics, and evolution of mammals.	Mammalogy 4 (3-3) Course Prerequisite: BIOLOGY 106. Ecology, systematics, and evolution of mammals.	1-13
ENGLISH	495	New	--N/A--	Rhetoric of Science and Technology 3 Written, visual, and verbal conventions of scientific disciplines for academic, scientific, technical, and public audiences.	8-13
MATH	115	New	--N/A--	Math 105 Tutorial 2 Course Prerequisite: Department approval; concurrent enrollment in MATH 105. Tutorial for MATH 105 focusing on concept development and mastery and skill proficiency. S, F grading.	1-13
MATH	116	New	--N/A--	Math 106 Tutorial 2 Course Prerequisite: Department approval; concurrent enrollment in MATH 106. Tutorial for MATH 106 focusing on concept development and mastery and skill proficiency. S. F grading.	1-13
MATH	431	Revise	Intersections of Culture and Mathematics 3 (2-2) Course Prerequisite: MATH 301 with a C or better. Gender/race/ethnicity differences; social consequences; cultural influences on development and learning of mathematics; role of women, people of color in mathematics.	Intersections of Culture and Mathematics 3 Course Prerequisite: MATH 301 with a C or better. Gender/race/ethnicity differences; social consequences; cultural influences on development and learning of mathematics; role of women, people of color in mathematics.	8-13

			Credit not granted for both MATH 431 and MATH 531. Offered at 400 and 500 level.	Credit not granted for both MATH 431 and MATH 531. Offered at 400 and 500 level.	
TCH_LRN	409	New	--N/A--	Fundamentals of Curriculum and Assessment for Teaching English Language Learners 3 Research in curriculum development for and assessment of language minority students.	1-13

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---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.

Department	Proposed	Effective Date
Molecular Biosciences Revise requirements for Minor in Molecular Biology	Molecular Biology A minor in molecular biology requires 20 hours including the following courses: MBIOS 301, 305, 303, <u>304</u> ; MBIOS <u>401</u> or <u>450</u> ; MBIOS 304, 402, or 454 ; MBIOS 404, 413, or <u>426</u> <u>440</u> . A grade of C or better is required in all course work for the minor. Credit hours for the minor must include 9 hours of upper-division work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A student whose major is in the School of Molecular Biosciences cannot be granted a minor in molecular biology.	8-13
Molecular Biosciences Revise requirements for Minor in Genetics and Cell Biology	Genetics and Cell Biology A minor in genetics and cell biology requires 16 hours under the genetics and cell biology degree program at the 300-400-level, including MBioS 301, 401, and <u>423</u> . Additional credits may be selected from BIOLOGY <u>321</u> 325 , MBIOS 402, 404, 423, 425, 426, 427, 478 , <u>PHIL 365</u> . 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A grade of C or better is required in all course work for the minor.	8-13

<p>Molecular Biosciences Revise requirements for Minor in Biochemistry</p>	<p>Biochemistry</p> <p>A minor in biochemistry requires 17 20 hours including CHEM 345, 346 348; MBIOS 303, 304, 413; MBIOS 414, or 465, <u>or CHEM 331</u>. A grade of C or better is required in all courses used in the minor. None of these courses may be taken pass/fail. Credit hours for the minor must include 9 hours of upper-division work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.</p>	<p>8-13</p>
<p>Molecular Biosciences Revise requirements for Minor in Microbiology</p>	<p>Microbiology</p> <p>A minor in microbiology requires a minimum of 16 17 credit hours including MBIOS 305, 304 and 306, and the remaining at the 300-400-level selected from: MBIOS 342, 404, 410, 411, 426, 430, 440, 442, 444, 445, 446, 448, 450, 454, 498, 499 548, <u>FS 416</u>. 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A grade of C or better is required in all course work for the minor.</p>	<p>8-13</p>
<p>Pharmacy Revise admissions requirements for Professional Pharmacy Program</p>	<p>Pharmacy Prerequisites for Admission to the Professional Pharmacy Program</p> <ul style="list-style-type: none"> Written Communication I - 3 credits Written Communication II - 3 credits Philosophy - Logic, Critical Thinking or Ethics - 3 credits Microeconomics - ECONS 101 - 3 credits Introductory Psychology - PSYCH 105 - 3 credits Calculus - MATH 140 or 171 or 202 - 4 credits Statistics - STAT 212 - 3 credits Introductory Biology - BIOLOGY 106 and 107 - 8 credits Principles of Chemistry - CHEM 105 and 106 - 8 credits Organic Chemistry - CHEM 345 and 346 348 - 7 credits Microbiology - MBIOS 305 - 3 credits Human Anatomy with lab - BIOLOGY 315 - 4 credits Mammalian Physiology - BIOLOGY 353 - 4 credits Biochemistry - MBIOS 303 - 4 credits <u>Microbiology and Molecular Biology Laboratory - MBIOS 304 - 3 credits</u> 	<p>8-14</p>
<p>Psychology</p>	<p>Footnotes</p>	<p>8-12</p>

Revise requirements
for Bachelor of Science
in Psychology

¹ The PSYCH courses listed above under Groups I and II are recommended for that semester. Some are only offered in the fall or the spring. Group I FALL: PSYCH ~~350~~, 372, 384, 390, 401, 470, 490 and Group I SPRING: PSYCH ~~350~~, 384, 401, 470, 473. Group II FALL: PSYCH 321, 324, 333, ~~350~~, 361, 363, 440 and Group II SPRING: PSYCH 321, 324, 333, ~~350~~, 361, 363, 412, 440, 464.