

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 6
Fall 2017**

---COURSES---

Faculty Senate approved November 16, 2017

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.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ASIA	303	New	--N/A--	Topics in Asian Studies V 1-2 May be repeated for credit; cumulative maximum 4 hours. Topics in Asian Studies. Typically offered Fall and Summer.	5-18
COMJOUR	350	Revise	News and Society 3 (2-3) Course Prerequisite: Certified in any major in the College of Communication. Fundamentals of historic, contemporary, and emerging models of news production; social contexts and effects, alternative sources, and critiques of news. Typically offered Fall and Spring.	News and Society 3 Course Prerequisite: Certified in any major in the College of Communication. Fundamentals of historic, contemporary, and emerging models of news production; social contexts and effects, alternative sources, and critiques of news. Typically offered Fall and Spring.	8-18
CON E	252	Revise	Construction Administration and Documentation-4 (3-2) Course Prerequisite: CST M 254; MATH 172; certified major in Construction Engineering. Administrative procedures found within a heavy/civil construction project and respective documentation.	Construction Administration and Documentation 2 Course Prerequisite: CST M 254; MATH 172; certified major in Construction Engineering. Administrative procedures found within a heavy/civil construction project and respective documentation. <u>Typically offered Fall.</u>	8-18
MUS	264	New	--N/A--	Music Technology I 2 Course Prerequisite: MUS 164. MIDI hardware/software and related technologies used in music production. Sequencing, orchestration, virtual instruments, sample control,	8-18

				interactivity, performance. Typically offered Spring.	
MUS	464	New	--N/A--	Audio Engineering II 3 Course Prerequisite: MUS 364. Continued training in software, equipment, and techniques used in studio recording and live sound reinforcement; theory and practical application. Typically offered Spring.	8-18
MUS	484	New	--N/A--	Woodwind Techniques I 1 (0-2) Course Prerequisite: MUS 190. Performance and pedagogy of woodwind instruments for music educators. Typically offered Even Years - Fall.	8-18
MUS	485	New	--N/A--	Woodwind Techniques II 1 (0-2) Course Prerequisite: MUS 190; MUS 484. Second level of performance and pedagogy of woodwind instruments for music educators. Typically offered Odd Years - Spring.	8-18
MUS	486	New	--N/A--	String Techniques I 1 (0-2) Course Prerequisite: MUS 190. Performance and pedagogy of string instruments for music educators. Typically offered Even Years - Fall.	8-18
MUS	492	New	--N/A--	Brass Techniques I 1 (0-2) Course Prerequisite: MUS 190. Performance and pedagogy of brass instruments for music educators. Typically offered Odd Years - Fall.	8-18
NAV SCI		Restore	Old Prefix "NS"	New Subject " <u>NAV SCI</u> "	1-18
NAV SCI	101	Restore	Introduction to the Naval Science 2 Intro to the Navy: customs, structure, basic leadership, career paths, and ships and aircraft of the U.S. Fleet. (Fall only). Cooperative course taught by UI, open to WSU students (NS 101).	Introduction to the Naval Science 2 <u>Introduction to the Naval Service: customs, traditions, structure, career paths, basic leadership, ethics and character development, duties of a junior officer, ships/aircraft of the U.S. Navy Fleet. Typically offered Fall.</u>	1-18
NAV SCI	102	Restore	Ships Systems I 3 Intro to Naval shipboard engineering	Ships Systems I 3 <u>Introduction to Naval shipboard engineering</u>	8-18

			systems; propulsion systems; nuclear, gas, turbine, and conventional; auxiliary systems and shipboard damage control; basic concepts in ship design. (Fall only). Cooperative course taught by UI, open to WSU students (NS 102).	systems; propulsion systems; nuclear, gas, turbine, and conventional; auxiliary systems and shipboard damage control; basic concepts in ship design. <u>Typically offered Fall.</u>	
NAV SCI	201	Restore	Ships Systems II 3 Naval weapons systems; theory and process of detection (radar and sonar), evaluation; weapons; delivery, guidance, and explosives; integration of weapons systems with command, control, and communications systems. (Spring only). Cooperative course taught by UI, open to WSU students (NS 201).	Ships Systems II 3 Naval weapons; theory and process of detection (radar and sonar), evaluation; delivery, guidance, and explosives; integration of weapons systems with command, control, and communications systems. <u>Typically offered Spring.</u>	1-18
NAV SCI	202	Restore	Seapower and Maritime Affairs 3 US survey of U.S. naval history; seapower and maritime affairs emphasizing present day concerns; comparisons of U.S. and foreign Naval strategies. (Spring only). Cooperative course taught by UI, open to WSU students (NS 202).	Seapower and Maritime Affairs 3 <u>An overview of U.S. naval history; seapower and maritime affairs beginning with the Continental Navy to present-day naval history. Typically offered Spring.</u>	1-18
NAV SCI	301	Restore	Navigation 3 Theory, principles, and procedures of terrestrial and electronic navigation, and "rules of the nautical road." Cooperative course taught by UI, open to WSU students (NS 301).	Navigation 3 Theory, principles, and procedures of terrestrial and electronic navigation, and rules of the nautical road. <u>Typically offered Spring.</u>	1-18
NAV SCI	302	Restore	Naval Operations 3 Prereq-NS 301. Naval operations and tactics, relative motion, and Maneuvering Boards. (Fall only). Cooperative course taught by UI, open to WSU students (NS 302).	Naval Operations 3 <u>Course Prerequisite: NAV SCI 301. Naval operations and tactics, relative motion, and Maneuvering Boards. Typically offered Fall.</u>	1-18
NAV SCI	311	Restore	Evolution of Warfare 3 Ree NS 101, 202. Evolution of war through tactics; strategy	Evolution of Warfare 3 <u>Course Prerequisite: NAV SCI 101, NAV SCI 202. Evolution of war</u>	1-18

			from Sun Tzu to J.F.C. Fuller. Cooperative course taught by UI, open to WSU students (NS 311).	through tactics; strategy from Sun Tzu to J.F.C. Fuller. <u>Typically offered Fall.</u>	
NAV SCI	401	Restore	Naval Leadership and Management 3 Theories of management and management resources, motivational theories, and leadership. Cooperative course taught by UI, open to WSU students (NS 401).	Naval Leadership and Management 3 Theories of management and management resources, motivational theories, and leadership. <u>Typically offered Fall.</u>	1-18
NAV SCI	402	Restore	Naval Leadership and Ethics 3 Rec N S 401. Leadership and Ethics: An intellectual exploration of Western moral traditions and ethical philosophy within a military context. Topics will include military leadership, core values, professional ethics, and conduct of warfare with applications appropriate for future Navy and Marine Corps officers. (Spring only). Cooperative course taught by UI, open to WSU students (NS 402).	Naval Leadership and Ethics 3 <u>Course Prerequisite: NAV SCI 401.</u> Western moral traditions and ethical philosophy within a military context. Leadership, core values, professional ethics, and conduct of warfare with applications appropriate for future officers. <u>Typically offered Spring.</u>	1-18
NAV SCI	412	Restore	Amphibious Operations 3 Course Rec N S 311. Amphibious doctrine from Gallipoli to the Mayaguez. (Fall only). Cooperative course taught by UI, open to WSU students (NS 412).	Amphibious Operations 3 <u>Course Prerequisite: NAV SCI 311.</u> Amphibious doctrine from Gallipoli to the Mayaguez. <u>Typically offered Spring.</u>	1-18
PHARMACY	593	New	--N/A--	Residency Preparation 2 <u>Course Prerequisite: Admission to Pharmacy program.</u> An introduction to the residency experience and methods to succeed in attaining a pharmacy residency. Typically offered Spring. H, S, F grading.	1-18
SOE		NEW		New subject "SOE" for School of the Environment	1-18
SOE	105	Revise	[PSCI] Natural Resources and Natural Hazards 3 <u>Course Prerequisite: MATH 103 or higher with a C or</u>	[PSCI] Natural Resources and Natural Hazards 3 <u>Course Prerequisite: MATH 103 or higher with a C or better, or a</u>	8-18

			better, or a minimum ALEKS math placement score of 45%. Survey of key natural resources, the physical processes by which nature and society produce those resources, and the processes of related natural hazards. Typically offered Fall.	minimum ALEKS math placement score of 45%. Survey of key natural resources, the physical processes by which nature and society produce those resources, and the processes of related natural hazards. (Formerly ENVR SCI 102) Typically offered Fall.	
SOE	110	Revise	[BSCI] The Environment, Human Life, and Sustainability 4 (3-3) Interactions between humans and their environment; multidisciplinary introduction to environmental concepts and concerns. Typically offered Fall, Spring, and Summer.	[BSCI] The Environment, Human Life, and Sustainability 4 (3-3) Interactions between humans and their environment; multidisciplinary introduction to environmental concepts and concerns. (Formerly ENVR SCI 101). Typically offered Fall, Spring, and Summer.	8-18
STAT	435	New	--N/A--	[M] Statistical Modeling for Data Analytics 3 (2-2) Course Prerequisite: STAT 360; STAT 412, 423, 430, or ECONS 311. Multiple linear regression with model selection, dealing with multicollinearity, assessing model assumptions, the LASSO, ridge regression, elastic nets, Loess smoothing, logistic regression, Poisson regression, and the application of the bootstrap to regression modeling. Typically offered Fall.	8-18
STAT	437	New	--N/A--	Statistical Analytics and Learning 3 Course Prerequisite: STAT 435. Statistical modeling and data analysis using supervised and unsupervised learning methods. Typically offered Spring.	8-18
TCH LRN	469	Revise	Advanced Practicum for Secondary Teachers 2 Course Prerequisite: TCH LRN 317. Field experience with classroom observation and teaching prior to student teaching; weekly seminar included. Typically offered Fall and Spring. S, F grading.	Advanced Practicum for Secondary Teachers V 2 (0-6) to 3 (0-9) Course Prerequisite: TCH LRN 317. Field experience with classroom observation and teaching prior to student teaching; weekly seminar included. Typically	8-18

				offered Fall and Spring. S, F grading.	
WRIT	103	New	--N/A--	Writing Collaborative for History 105 or 305 1 May be repeated for credit; cumulative maximum 2 hours. Peer review, scaffolded feedback, and other reading and writing supports for students enrolled in HISTORY 105 or 305. Typically offered Fall, Spring, and Summer. S, F grading.	1-18
WRIT	108	New	--N/A--	Writing Collaborative for Multilingual Writers in History 105 or 305 1 May be repeated for credit; cumulative maximum 2 hours. Peer review, scaffolded feedback, and other reading and writing supports for multilingual students enrolled in HISTORY 105 or 305. Typically offered Fall, Spring, and Summer. S, F grading.	1-18
<u>WRIT</u>	303	Revise	Composing and Evaluation Strategies for Writing Professional Documents 1 Strategies of composition and evaluation for writing-intensive courses and for creating brief professional documents (personal statements/letters of intent). By instructor permission. Typically offered Fall and Spring.	Composing and Evaluation Strategies for Writing Professional Documents 1 May be repeated for credit; cumulative maximum 3 hours. Strategies of composition and evaluation for writing-intensive courses, and for creating brief professional documents (personal statements/letters of intent). (<u>Formerly UNIV 303</u>) Typically offered Fall and Spring.	8-18