M E M O R A N D U M

TO: Deans and Chairs

FROM: Becky Bitter, Sr. Assistant Registrar

DATE: February 15, 2022

SUBJECT: Minor Change Bulletin No. 9

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	Revise Drop	Current	Proposed	Effective Date
BIOLOGY	**315**	**Revise**	**Gross and Microanatomy** 4 (3-3) Course Prerequisite: At least 3 hours of BIOLOGY; sophomore standing; cumulative ~~WSU~~ GPA 2.5 or better. Gross and microscopic anatomy of the human body. Recommended for pre-health care professionals only. Typically offered Fall and Spring.	**Gross and Microanatomy** 4 (3-3) Course Prerequisite: At least 3 hours of BIOLOGY; sophomore standing; cumulative GPA 2.5 or better. Gross and microscopic anatomy of the human body. Recommended for pre-health care professionals only. Typically offered Fall and Spring.	**8-22**
CE	**465**	**Revise**	**[CAPS] [M] Integrated Civil Engineering Design** 4 (1-6) Course Prerequisite: CE ~~303~~; admitted to the major in Civil Engineering or Construction Engineering; senior standing. Civil engineering applications to planning and design; problem synthesis, data analysis, decision making and reporting; design of complete projects that include local and world-wide problems through interdisciplinary teams. Typically offered Fall and Spring.	**[CAPS] [M] Integrated Civil Engineering Design** 4 (1-6) Course Prerequisite: CE 203; admitted to the major in Civil Engineering or Construction Engineering; senior standing. Civil engineering applications to planning and design; problem synthesis, data analysis, decision making and reporting; design of complete projects that include local and world-wide problems through interdisciplinary teams. Typically offered Fall and Spring.	**8-22**
CE	**562**	**Revise**	~~**Advanced Subsurface**~~ **Flow and Transport** 3 ~~Analysis of the dynamics of subsurface fluid~~ flow ~~in porous media that give rise to~~ contaminant transport behaviors ~~at multiple scales; emphasis on developing a~~	**Environmental Flow and Transport Processes** 3 Environmental flow mechanisms and contaminant transport behaviors; applications to open-channel flows and groundwater systems. Typically offered	**8-22**

			~~qualitative knowledge of the features that cause deviations from idealized transport behaviors and the mathematical tools required to model transport in natural, heterogeneous aquifers for both passive and reactive solutes.~~ Typically offered Spring. Cooperative: Open to UI degree-seeking students.	Spring. Cooperative: Open to UI degree-seeking students.	
CS	**351**		**Introduction to Database Systems** 3 Course Prerequisite: CS 223 with a C or better~~;~~ CS 224 with a C or better~~; admitted to the major in Computer Science~~. Introduction to database concepts, data models, database languages, database design, implementation issues. Typically offered Spring.	**Introduction to Database Systems** 3 Course Prerequisite: CS 215 with a C or better, CS 223 with a C or better, or CS 224 with a C or better. Introduction to database concepts, data models, database languages, database design, implementation issues. Typically offered Spring.	**8-22**
ENGLISH	**101**	**Revise**	**[WRTG] College Composition** 3 Course Prerequisite: Appropriate Writing Exam score or ~~completion of~~ ENGLISH 100 with an S grade. Designed to further develop students' academic writing, critical thinking, rhetorical strategies, reading and library skills. Credit not granted for more than one of ENGLISH 101 and 105. Typically offered Fall, Spring, and Summer.	**[WRTG] College** Composition 3 Course Prerequisite: Appropriate Writing Exam score or ENGLISH 100. Designed to further develop students' academic writing, critical thinking, rhetorical strategies, reading and library skills. Credit not granted for more than one of ENGLISH 101 and 105. Typically offered Fall, Spring, and Summer.	**5-22**
FINE ART	**332**	**Revise**	**Introduction to Digital ~~Media~~ - Print and ~~Web~~** 3 (0-6) Course ~~Prerequisite: FINE ART 102 or concurrent enrollment, or FINE ART 103 or concurrent enrollment, or FINE ART 110 or concurrent enrollment.~~ Introduction to principles and processes of digital media through print ~~and web~~ based projects; emphasis on ~~theoretical investigations, conceptual development~~ Typically offered Fall, Spring, and Summer.	**Introduction to Digital Art and Design - Print and Screen** 3 (0-6) Introduction to principles and processes of digital media through print/screen based projects; emphasis on image/text relationships, color, composition. Typically offered Fall, Spring, and Summer.	**8-22**

FINE ART	**435**	**Revise**	**Interactive Media** 3 (0-6) ~~Course Prerequisite: FINE ART 332.~~ Interactive possibilities in digital media ~~including~~ web-based projects, installation and physical computing. Typically offered Fall and Spring.	**Interactive Media** 3 (0-6) Interactive possibilities in digital media; may include web-based projects, installation, creative coding, AR/VR, and physical computing. Typically offered Fall and Spring.	**8-22**
KINES	**312**	**Revise**	**[M] Research ~~and Assessment~~ in Kinesiology** 3 Course Prerequisite: PSYCH 311 with a C or better, STAT 212 with a C or better, or STAT 401 with a C or better; admitted to the major in Kinesiology. ~~Introduction to common quantitative and qualitative~~ research methods used in ~~the discipline; research project~~. Typically offered Fall, Spring, and Summer.	**[M] Research in Kinesiology** 3 Course Prerequisite: PSYCH 311 with a C or better, STAT 212 with a C or better, or STAT 401 with a C or better; admitted to the major in Kinesiology. Key research methods used in Kinesiology with an emphasis on reading, evaluating and applying research evidence. Typically offered Fall, Spring, and Summer.	**8-22**
PHARMSCI	**572**	**Revise**	**Fundamentals of Oncology** 3 ~~Course Prerequisite: By permission only.~~ Thorough overview of cancer biology encompassing basic cellular and molecular mechanisms of carcinogenesis and tumor progression, treatment and prevention. Typically offered Fall.	**Fundamentals of Oncology** 3 Thorough overview of cancer biology encompassing basic cellular and molecular mechanisms of carcinogenesis and tumor progression, treatment and prevention. Typically offered Fall.	**8-22**
PHYSICS	**490**		**[M] Undergraduate Thesis** 1 Preliminary thesis draft of a laboratory or library research experience, oral presentation, and final draft. Typically offered Fall and Summer.	**[M] Undergraduate Thesis** 1 Course Prerequisite: PHYSICS 489. Preliminary thesis draft of a laboratory or library research experience, oral presentation, and final draft. Typically offered Fall and Summer.	**8-22**
SOC	**527**	**Revise**	**Social Network Analysis ~~Practicum~~** 3 Practical research experience with social network theory, concepts, measurement, and data collection/analysis. Typically offered Spring.	**Social Network Analysis** 3 Practical research experience with social network theory, concepts, measurement, and data collection/analysis. Typically offered Spring.	**5-22**
SOE	**412 / 512**	**Revise**	**[M] Global Biogeochemistry** 3 Cycles of biogeochemically important elements and anthropogenic changes to those cycles in terrestrial and aquatic environments on a global scale.	**[M] Global Biogeochemistry** 3 Course Prerequisite: BIOLOGY 106; CHEM 105 or 106. Cycles of biogeochemically important elements and anthropogenic changes to those cycles in	**8-22**

			Field trip required. Credit not granted for both SOE 412 and SOE 512. Offered at 400 and 500 level.	terrestrial and aquatic environments on a global scale. Field trip required. Credit not granted for both SOE 412 and SOE 512. Offered at 400 and 500 level.	
SOE	**461**	**Revise**	**Watershed Management** 3 Principles and practices of management of forest and rangelands for protection, maintenance, and improvement of water resource values. Field trip required. Recommended preparation: SOE 204 or sufficient background in spreadsheets. Typically offered Spring.	**Watershed Management** 3 Course Prerequisite: BIOLOGY 106; CHEM 101 or 105. Principles and practices of management of forest and rangelands for protection, maintenance, and improvement of water resource values. Field trip required. Recommended preparation: SOE 204 or sufficient background in spreadsheets. Typically offered Spring.	**8-22**