

## UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 7

Fall 2022

### ---COURSES---

The courses listed below reflect the undergraduate and professional major curricular changes approved by the Catalog Subcommittee. The course information under the heading titled *Current* will show strikethroughs for deletions, and text under *Proposed* will show underlines for additions. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
<b>DATA</b>	<b>219</b>	<b>New</b>	<del>--N/A--</del>	<b>Data Structures for Data Analytics 3</b> Course Prerequisite: CPT S 121, CPT S 131, or CS 121. Programming techniques including data structures, sorting and searching, object-oriented design, and an introduction to algorithmic analysis. Typically offered Fall and Spring.	<b>1-23</b>
<b>DATA</b>	<b>301</b>	<b>New</b>	<del>--N/A--</del>	<b>Introduction to R 1</b> Hands-on knowledge and skills for programming, handling different types of data, data cleaning, and visualization; excellent foundation for courses or projects that involve coding in R. Typically offered Fall and Spring. S, F grading.	<b>1-23</b>
<b>DATA</b>	<b>302</b>	<b>New</b>	<del>--N/A--</del>	<b>Introduction to Python 1</b> Hands-on knowledge and skills for working with real data and the Python programming language; an excellent foundation for later coursework in the Data Analytics major. Typically offered Fall and Spring. S, F grading.	<b>1-23</b>
<b>DATA</b>	<b>303</b>	<b>New</b>	<del>--N/A--</del>	<b>Introduction to SQL - The Structured Query Language 1</b> Hands-on knowledge and skills for basic-to-advanced aspects of the SQL system. Typically offered Fall, Spring, and Summer. S, F grading.	<b>1-23</b>

<b>DATA</b>	<b>319</b>	<b>New</b>	--N/A--	<b>Model-based and Data-based Methods for Data Analytics 3</b> Course Prerequisite: DATA 219; MATH 220 or MATH 225; STAT 360. Modeling methods for data analysis with high dimensional data, including theoretical and practical concerns. Typically offered Fall and Spring.	<b>1-23</b>
<b>FS</b>	<b>202</b>	<b>New</b>	--N/A--	<b>[BSCI] Science on Your Plate - Laboratory 1 (0-3) Course</b> Prerequisite: FS 201 or concurrent enrollment. Basic processing and analysis of common foods; tour of WSU Creamery and Dairy Farm; how to make cheese, ice cream, yogurt, and kefir. Typically offered Fall.	<b>8-23</b>
<b>HISTORY</b>	<b>285</b>	<b>New</b>	--N/A--	<b>US-Indian Wars 3</b> Examination of the history of U.S. warfare against Indigenous nations from colonial era to Native American citizenship in 1924. Typically offered Fall.	<b>8-23</b>
<b>HUMANITY</b>	<b>280</b>	<b>New</b>	--N/A--	<b>[ARTS] Quests and Callings 3</b> Creative expression and critical interpretation of the hero's journey and the pursuit of one's calling across cultures in literature, art, mythology, and film. Typically offered Fall and Spring.	<b>1-23</b>
<b>PHARMEDS</b>	<b>490</b>	<b>New</b>	--N/A--	<b>[CAPS] Senior Seminar: Capstone Experience 3 Course</b> Prerequisite: Admitted to the Pharmaceutical and Medical Sciences BS program. Culminating and integrative experience with senior thesis; discussion of current topics in biomedicine and presentation of senior projects. Typically offered Spring.	<b>8-23</b>
<b>SHS</b>	<b>371</b>	<b>Revise</b>	<b>Language Development 3</b> Normal development of the cognitive, linguistic, and pragmatic components of language; introduction to language disorders in children.	<b>[M] Language Development 4</b> Normal development of the cognitive, linguistic, and pragmatic components of language; introduction to language disorders in children.	<b>8-23</b>

SHS	461	Revise	<b>Clinical Methods 2</b> Course Prerequisite: Concurrent enrollment in SHS 480 or SHS 478. Pre-practicum preparation; observation of and assisting in therapy; state laws; clinical methods.	<b>Clinical Methods 3</b> Course Prerequisite: Concurrent enrollment in SHS 480 or SHS 478. Pre-practicum preparation; observation of and assisting in therapy; state laws; clinical methods.	8-23
SHS	465	New	--N/A--	<b>Skills Lab 3</b> Development of skill sets necessary for generalist speech-language pathologists' and audiologists' practice across the broad range of practice areas and client systems including individuals, families, groups, organizations, communities, community groups, legislative groups, and boards.	8-23
SOE	300	Revise	<b>Natural Resource Ecology 3</b> Ecology as applied to management of natural resource ecosystems; biological diversity, conservation biology, global climate change in natural resource ecology. Field trips required.	<b>[M] Natural Resource Ecology 3</b> Ecology as applied to management of natural resource ecosystems; biological diversity, conservation biology, global climate change in natural resource ecology. Field trips required.	1-23
SOE	411	Revise	<b>[M] Limnology and Aquatic Ecosystem Management 3 (2-3)</b> Course Prerequisite: BIOLOGY 106; CHEM 101 or 105. Introduction to the science and management of aquatic ecosystems, emphasizing lakes. Typically offered Fall.	<b>[M] Limnology and Aquatic Ecosystem Management 4 (3-3)</b> Course Prerequisite: BIOLOGY 106; CHEM 101 or 105. Introduction to the science and management of aquatic ecosystems, emphasizing lakes. Typically offered Odd Years - Fall.	8-23
SOE	480	Revise	<b>How to Build a Habitable Planet 3</b> An introduction to the origin and evolution of Earth including the effects of water, CO <sub>2</sub> , and humans on the planet; exploration of radioactive decay, geochronology, radiogenic and stable isotope geochemistry, and chemical proxies in dynamic systems. Typically offered Spring.	<b>[CAPS] How to Build a Habitable Planet 4 (3-3)</b> An introduction to the origin and evolution of Earth including the effects of water, CO <sub>2</sub> , and humans on the planet; exploration of radioactive decay, geochronology, radiogenic and stable isotope geochemistry, and chemical proxies in dynamic systems. Typically offered Summer.	1-23

