

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 7**

**Fall 2022**

**---COURSES---**

**Faculty Senate approved January 19, 2023**

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.

| <b>Subject</b> | <b>Course Number</b> | <b>New<br/>Revise<br/>Drop</b> | <b>Current</b>     | <b>Proposed</b>  | <b>Effective Date</b> |
|----------------|----------------------|--------------------------------|--------------------|--|-----------------------|
| <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  | <b>1-23</b>           |

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|-----------------|------------|------------|----------------|---|-------------|
|                 |            |            |                | offered Fall, Spring, and Summer. S, F grading.   |             |
| <b>DATA</b>     | <b>319</b> | <b>New</b> | <b>--N/A--</b> | <b>Model-based and Data-based Methods for Data Analytics 3</b><br>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> | <b>--N/A--</b> | <b>[BSCI] Science on Your Plate - Laboratory 1</b> Course<br>Prerequisite: FS 201 or current 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> | <b>--N/A--</b> | <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> | <b>--N/A--</b> | <b>[ARTS] Quests and Callings 3</b><br>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> | <b>--N/A--</b> | <b>[CAPS] Senior Seminar: Capstone Experience 3</b> Course<br>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> |

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| SHS | 371 | Revise | <b>Language Development 3</b><br>Normal development of the cognitive, linguistic, and pragmatic components of language; introduction to language disorders in children.  | <b>[M] Language Development 4</b><br>Normal development of the cognitive, linguistic, and pragmatic components of language; introduction to language disorders in children.  | 8-23 |
| SHS | 461 | Revise | <b>Clinical Methods 2</b> Course<br>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<br>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><br>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><br>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</b> ( <del>2-3</del> ) Course<br>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</b> (3-3) Course<br>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 | <b>[CAPS] How to Build a Habitable Planet 4</b> (3-3) 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   | 1-23 |

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|  |  |  | geochemistry, and chemical proxies in dynamic systems. Typically offered Spring. | stable isotope geochemistry, and chemical proxies in dynamic systems. Typically offered Summer. |  |
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