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Cost determination for budgeting, product costing, process costing, cost assignment and allocation, standard costing, and decision making in manufacturing and service organizations.

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<td>Analysis, design, and implementation of accounting information systems with special emphasis on an understanding of accounting cycles, internal control concepts, and data flows associated with basic economic entities of the organization.</td>
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<td>A study of the income taxation of corporations (including S corporations), limited liability companies, and partnerships.</td>
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<td>Open to students meeting criteria established from time to time by the department and on file either in the department or the cooperative education office. Provides academic credit for selected on-the-job experience. Grade and amount of credit will be determined by the department.</td>
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Anthropology is the study of humankind, past and present: our origins and the development of cultural behavior and biological attributes. This course examines what it means to be human, describing and explaining human differences and similarities throughout time and across the world.

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| ANTH 1000   | SS/DV Intro to Anthropology | MWF  | 0930 - 1020 | LH102   | Holt, Ron  | Full Semester
| ANTH 1000   | SS/DV Intro to Anthropology | TR   | 1200 - 1315 | LH112   | Shaver     | Full Semester
| ANTH 1000   | SS/DV Intro to Anthropology | R    | 1730 - 2010 | D02117  | Carlyle, Shane | Full Semester
<p>| ANTH 1000   | SS/DV Intro to Anthropology | TBA  | TBA     | OL       | McManama-   |
| ANTH 1000   | SS/DV Intro to Anthropology | MWF  | 1130 - 1220 | HC014   | McManama-   |
| ANTH 1000   | SS/DV Intro to Anthropology | MWF  | 1130 - 1220 | WW102   | McManama-   |
| ANTH 1000   | SS/DV Intro to Anthropology | MWF  | 1130 - 1220 | SP315   | McManama-   |</p>
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<td>Anthropology is the study of humankind, past and present: our origins and the development of cultural behavior and biological attributes. This course examines what it means to be human, describing and explaining human differences and similarities throughout time and across the world.</td>
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ANTH 2030  3  SS Principles of Archaeology  0930 - 1020  MWF  LH222  Arkush,
21369  Full Semester

Archaeology attempts to reconstruct prehistoric and early historic human ways as well as long term cultural and biological evolutionary processes through the scientific study of material remains. This course focuses upon the history of archaeology, the ways in which archaeologists recover and analyze data, and the major theoretical perspectives used to interpret the past.

ANTH 2990  3  Human Osteology  1230 - 1320  MWF  LH214  Gautney,
21370  Full Semester

A course allowing examination of selected topics and current issues in Anthropology. When the course number is used, it will be accompanied by a specific title and authorized credit which will appear on the student's transcript. Offerings of same title may not be repeated for credit toward graduation.

ANTH 2990  3  Archaeology of Great Basin  1030 - 1145  TR  LH202  Yoder, David
21378  Full Semester

A course allowing examination of selected topics and current issues in Anthropology. When the course number is used, it will be accompanied by a specific title and authorized credit which will appear on the student's transcript. Offerings of same title may not be repeated for credit toward graduation.

ANTH 3200  3  Archaeology Early Civilization  1330 - 1445  TR  LH054  Yoder, David
21377  Full Semester

ANTH 3400  3  Archaeological Lab  1330 - 1600  TR  LH036  Arkush,
21382  Full Semester

Emphasizes student analysis and write-up of an artifact assemblage from an archaeological site. Weekly lectures familiarize students with analyses of prehistoric and historic archaeological materials, as well as the production of text, figures, tables, maps, and bibliographies for technical reports.

ANTH 3600  3  Contemporary Peoples of  1200 - 1315  TR  LH054  Stevenson,
21772  Full Semester

Surveys selected societies in ethnographically different cultural areas of the world, such as Africa, Asia, North American Indians, Latin America, the Middle East, the Pacific, or the modern United States. When the number is used, it will be accompanied by a descriptive title and the credit authorized, which will appear on the student transcript. Offerings of same title may not be repeated for credit toward graduation.

ANTH 4200  3  Anthropological Theory  1030 - 1145  TR  LH106  Holt, Ron
21386  Full Semester

Historical and theoretical development of the major anthropological schools of thought including 19th century evolutionism, historical particularism, social anthropology, symbolic analysis, neoevolutionism, and cultural ecology.

ANTH 4200  3  Anthropological Theory  1730 - 2010  R  LH050  Holt, Ron
21417  Full Semester

Historical and theoretical development of the major anthropological schools of thought including 19th century evolutionism, historical particularism, social anthropology, symbolic analysis, neoevolutionism, and cultural ecology.

ANTH 4830  1  Readings and/or Projects  TBA  TBA  Holt, Ron
21403  Full Semester

Individual readings and/or projects for anthropology students. (Maximum of 3 hours may be applied toward graduation.)
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Introduction to all forms of visual art covering processes (such as demonstration of the lost-wax process of metal casting), language, responses (oral and written assignments that utilize art-related terminology), issues (such as patronage, feminism or orientalism), and ways of seeing and understanding works of art. A general education course for the non-art major.
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in the area of visual literacy and problem solving.

ART 1030 3 CA Studio Art for NonArt 1430 - 1630 TR WW108 Bennett, Full Semester

A general education course for non-art majors which primarily includes a series of hands-on art experiences (such as drawing and sculpture). Class discussion draws from the disciplines of art history, art criticism, and aesthetics as guides through visual presentations. For students desiring to broaden their academic background in the area of visual literacy and problem solving.

ART 1040 3 Orientation to Visual Studies 1130 - 1415 TR KA120 Jackson, Levi Full Semester

Orientation to the visual world including how we perceive and interpret visual messages, the impact of the visual on human relations, political exploitation of the visual and aesthetic issues in the visual arts. Topics are explored through written and creative projects designed to establish a context for expanded study in the visual arts. Includes curriculum planning for art and design majors, introduction to programs and faculty, and professional opportunities.

ART 1110 3 Drawing I 0900 - 1430 F KA305 Emerich, Full Semester

This is the foundation drawing class for art majors and minors (not a general education class). Perceptual and conceptual development stressed. Variety of materials and procedures investigated.

ART 1110 3 Drawing I 1430 - 1715 TR KA305 Krebs, Cara-

This is the foundation drawing class for art majors and minors (not a general education class). Perceptual and conceptual development stressed. Variety of materials and procedures investigated.

ART 1120 3 Design Concepts 1130 - 1415 TR KA306 Pedroza, Ya'el Full Semester

An introduction to visual language, design principles, and compositional approaches in two and three dimensions. Basic approaches to sketching and modeling, improving compositional structures, and using form and color to communicate will be addressed.

ART 1120 3 Design Concepts 1730 - 2015 TR KA306 Lenzi, Kristina Full Semester

An introduction to visual language, design principles, and compositional approaches in two and three dimensions. Basic approaches to sketching and modeling, improving compositional structures, and using form and color to communicate will be addressed.

ART 1120 3 Design Concepts 1430 - 1715 TR KA306 Martin, Sara Full Semester

An introduction to visual language, design principles, and compositional approaches in two and three dimensions. Basic approaches to sketching and modeling, improving compositional structures, and using form and color to communicate will be addressed.
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<td>ART 1130</td>
<td>Approach Surface, Shape</td>
<td>3</td>
<td>Full Semester</td>
<td>1400 - 1645</td>
<td>MW</td>
<td>KA306</td>
<td>McIntire, Jake</td>
<td>An in-depth exploration of diverse approaches to communicating through form and color in two and three dimensions. In the course of the semester, students will complete three workshop-style segments across a range of media to include 3D fabrication, analog 2D composition, and digital color &amp; composition.</td>
</tr>
<tr>
<td>ART 22000</td>
<td>Approach Surface, Shape</td>
<td>3</td>
<td>Full Semester</td>
<td>1700 - 1945</td>
<td>MW</td>
<td>KA165</td>
<td>Adams, Amy</td>
<td>An in-depth exploration of diverse approaches to communicating through form and color in two and three dimensions. In the course of the semester, students will complete three workshop-style segments across a range of media to include 3D fabrication, analog 2D composition, and digital color &amp; composition.</td>
</tr>
<tr>
<td>ART 22020</td>
<td>Intro to Printmaking</td>
<td>3</td>
<td>Full Semester</td>
<td>1100 - 1345</td>
<td>MW</td>
<td>KA251</td>
<td>Bennett,</td>
<td>An introduction to all printmaking classes covering the processes of intaglio, screenprinting, relief, lithography, and monotype. Students are provided with the fundamentals of each process and experience with each one. This class is a prerequisite for all printmaking classes.</td>
</tr>
<tr>
<td>ART 2250</td>
<td>Photography-Black</td>
<td>3</td>
<td>Full Semester</td>
<td>1400 - 1645</td>
<td>MW</td>
<td>KA223</td>
<td>Crow, Paul</td>
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<tr>
<td>ART 2250</td>
<td>Photography-Black</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1415</td>
<td>TR</td>
<td>KA223</td>
<td>Harper, Jamie</td>
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</tr>
<tr>
<td>ART 2310</td>
<td>Ceramics I</td>
<td>3</td>
<td>Full Semester</td>
<td>0830 - 1115</td>
<td>TR</td>
<td>KA130</td>
<td>Maher, Quinn</td>
<td>The first course of a two-part introduction to ceramic art. Projects in hand-building and wheel-thrown objects are emphasized. Multiple surfacing and firing techniques will be explored.</td>
</tr>
<tr>
<td>ART 2310</td>
<td>Ceramics I</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1415</td>
<td>TR</td>
<td>KA130</td>
<td>Maher, Quinn</td>
<td>The first course of a two-part introduction to ceramic art. Projects in hand-building and wheel-thrown objects are emphasized. Multiple surfacing and firing techniques will be explored.</td>
</tr>
<tr>
<td>ART 2350</td>
<td>Small Metals/Jewelry I</td>
<td>3</td>
<td>Full Semester</td>
<td>1700 - 1945</td>
<td>MW</td>
<td>KA168</td>
<td>Venegas,</td>
<td>Introduction to tools, materials, and basic techniques of fabrication and casting, with an emphasis on design.</td>
</tr>
<tr>
<td>ART 2420A</td>
<td>Bitmap Imaging</td>
<td>1</td>
<td>Block 1</td>
<td>1700 - 1945</td>
<td>MW</td>
<td>KA210D</td>
<td>Bauer, Micah</td>
<td>Emphasis on the principle of bitmap imaging using industry-standard software. This course builds on studies in basic two-dimensional design and provides the conceptual and technical foundation for more advanced work in color photography, graphic design, illustration, web-based and other digital media. Primary software: Adobe Photoshop.</td>
</tr>
<tr>
<td>ART 2420A</td>
<td>Bitmap Imaging</td>
<td>1</td>
<td>Block 1</td>
<td>1430 - 1715</td>
<td>TR</td>
<td>KA210A</td>
<td>Stott, Jeremy</td>
<td>Emphasis on the principle of bitmap imaging using industry-standard software. This course builds on studies in basic two-dimensional design and provides the conceptual and technical foundation for more advanced work in color photography, graphic design, illustration, web-based and other digital media. Primary software: Adobe Photoshop.</td>
</tr>
<tr>
<td>ART 2420B</td>
<td>Vector Drawing</td>
<td>1</td>
<td>Block 2</td>
<td>1700 - 1945</td>
<td>MW</td>
<td>KA210D</td>
<td>Bauer, Micah</td>
<td></td>
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</table>
Emphasis on vector drawing as applied to problems in art and design. This course builds on studies in basic two-dimensional design and provides the conceptual and technical foundation for more advanced work in graphic design, animation, 3D modeling, and web design. Primary software: Adobe Illustrator.

ART 2420B 1 Vector Drawing 1430 - 1715 TR KA210A Stott, Jeremy
22146 Block 2

Emphasis on vector drawing as applied to problems in art and design. This course builds on studies in basic two-dimensional design and provides the conceptual and technical foundation for more advanced work in graphic design, animation, 3D modeling, and web design. Primary software: Adobe Illustrator.

ART 2420C 1 Digital Page Composition 1700 - 1945 MW KA210D Bauer, Micah
22070 Block 2

Emphasis on the principles of layout using industry-standard software tools. This course builds on studies in basic two-dimensional design and provides the conceptual and technical foundation for more advanced work in typography and graphic design. Primary software: Quark Express.

ART 2430 3 Introduction to Graphic 1700 - 1945 MW KA210D Bauer, Micah
22061 Full Semester

Introduction to the technical foundations of graphic design along with the elements and principles of visual language. Emphasis on the development of software skills, image and symbol development, graphic systems and design process.

ART 2450 3 Photography: Color/Digital 0800 - 1045 TR KA210D Harper, Jamie
22025 Full Semester

ART 2450 3 Photography: Color/Digital 1700 - 1945 MW KA210A Ordonez,
22026 Full Semester

ART 2600 3 Painting I 1400 - 1645 MW KA309 Harclerode,
22029 Full Semester

Introduction to painting including the construction and design of paintings, investigations into the character and actions of various paints and techniques (traditional and contemporary) on a variety of surfaces.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>ART 2700</td>
<td>Sculpture I</td>
<td>3</td>
<td>1100 - 1345</td>
<td>MW</td>
<td>KA165</td>
<td>Manley, Jason</td>
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<td>22030</td>
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<td></td>
<td>An introduction to the essential methods and materials of sculpture including modeling, carving, casting, and construction with emphasis on contemporary activity in sculpture and with projects designed to practice concept development.</td>
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<td>ART 2700</td>
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<td>ART 2750</td>
<td>Foundations of Video Art</td>
<td>3</td>
<td>1730 - 2015</td>
<td>TR</td>
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<td>Harclerode,</td>
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<td>22031</td>
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<td>This course will provide students with an introductory-level investigation of the skills and concepts used in experimental digital video making. Students will learn video recording and editing in an art context and to incorporate video into their own creative practice. Students will also be introduced to historical and contemporary aesthetic and conceptual issues surrounding video as a form of creative expression.</td>
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<td>ART 3085</td>
<td>Critical Issues in Art</td>
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<td>This course introduces students to the history of ideas in art from the ancient Greeks to the most contemporary currents, with a focus on Modernism and Post-Modernism up to the present. The goal of this course is the creation of a critical and theoretical foundation that will allow students to locate themselves and their work within the context of critical dialogues in the contemporary art world. Class time will involve discussions of assigned readings, with images presented to supplement and inform the ideas under consideration.</td>
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<td>ART 3150</td>
<td>Photography Seminar</td>
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<td>TR</td>
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<td>This course is designed to introduce students early to the type of intense investigation and experimentation necessary to define and execute a semester long project in photography. Other topics covered will be an introduction to professional medium-format cameras, fine-tuning silver-based photographic printings and improving ability in critical discourse and writing.</td>
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<td>ART 3200</td>
<td>Intermediate Printmaking</td>
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<tr>
<td>22153</td>
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<td></td>
<td>An intermediate level class with emphasis on screenprinting, relief, and intaglio with further exploration into print processes that include photographic stencils and multicolor printing.</td>
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<td>ART 3210</td>
<td>Relief Printmaking</td>
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<td>0830 - 1115</td>
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<tr>
<td>22154</td>
<td>Full Semester</td>
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<td>Students will learn the basic printmaking processes and traditional techniques of carving and printing both wood and linoleum relief blocks. Contemporary approaches to relief processes through digital media experimentation will be introduced. Emphasis is on development of the student's own ideas through experimentation, using traditional and non-traditional forms and processes. Safety issues will be addressed. Students will work from an introductory through an intermediate level, with a variety of progressive projects, each resulting in a small edition. The course will be administered through lecture, process demos, in class work time, and peer/individual critiques. Materials fee will cover most studio costs, excluding plates and paper.</td>
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<tr>
<td>ART 3310</td>
<td>Ceramics II</td>
<td>3</td>
<td>1100 - 1345</td>
<td>MW</td>
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<td>22156</td>
<td>Full Semester</td>
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<td>The second class in a two-part introductory ceramics series. This course expands upon hand-building and covers wheel-throw techniques in greater depth. Additional approaches to clay surfacing are explored. Students learn clay mixing, glaze testing and principles of kiln firing.</td>
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<tr>
<td>ART 3350</td>
<td>Small Metals/Jewelry II</td>
<td>3</td>
<td>1700 - 1945</td>
<td>MW</td>
<td>KA168</td>
<td>Venegas,</td>
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<tr>
<td>22151</td>
<td>Full Semester</td>
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<td></td>
<td>Development of design concepts and procedures with emphasis on basic techniques and concept development in fabrication, casting, enameling, cold connectors, surface enrichment.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit</td>
<td>Time</td>
<td>Days</td>
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<td>Instructor</td>
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<tr>
<td>ART 3410 3</td>
<td>Design Seminar for Juniors</td>
<td>3</td>
<td>0830 - 1115</td>
<td>TR</td>
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<td>Clarkson, Larry</td>
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<tr>
<td>ART 3430 3</td>
<td>Typography/Publication</td>
<td>3</td>
<td>1700 - 1945</td>
<td>MW</td>
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<td>ART 3435 3</td>
<td>Experimental Typography</td>
<td>3</td>
<td>1430 - 1715</td>
<td>TR</td>
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<tr>
<td>ART 3445 3</td>
<td>Web Design for Visual Arts</td>
<td>3</td>
<td>1400 - 1645</td>
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<td>ART 3460 3</td>
<td>Illustration</td>
<td>3</td>
<td>1730 - 2015</td>
<td>TR</td>
<td>KA309</td>
<td>Krebs, Cara-</td>
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<td>ART 3495 3</td>
<td>BFA Seminar</td>
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<td>1100 - 1345</td>
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<td>ART 3515 3</td>
<td>Art Methods I</td>
<td>3</td>
<td>1400 - 1645</td>
<td>MW</td>
<td>KA168</td>
<td>Manley, Jason</td>
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<td>ART 3600 3</td>
<td>Painting II</td>
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<td>1700 - 1945</td>
<td>MW</td>
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<td>Stevenson</td>
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<td>ART 3700 3</td>
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<td>ART 3795 3</td>
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</tbody>
</table>

Orientation to professional Graphic Design practice for the Junior Graphic Design student. Includes art direction and work situations, client relations, portfolio and resume preparation, self promotion, and career advancement. Course contents will be explored through reading, writing, lecture, discussion, critique, simulation, guest presentations, studio visits, and project work tailored to individual portfolio development.

Orientation to typographic communications including methods and processes, aesthetics, readability, typographic systems, grids, layout, and digital page composition. Class meets 2 times/week for 3-hour sessions.

Investigation into experimental and expressive aspects of typographic communication. Emphasis is placed upon the historical development of letter design, letter and text as visual form, and typographical illustration.

Introduction to designing for the Internet. Emphasis on the application of visual communication principles to the creation of functioning, well designed websites. Course will include basic HTML and CSS programming, methods for organizing and understanding website content, ways and processes for working with clients and/or creating content, and ways to translate design and typographic fundamentals to the landscape of the Internet.

Introduction to theory, methods, tools and materials, and the professional practice of illustration. Emphasis is placed on concept development, media exploration and technique as applied to a variety of problems in pictorial communication.

Consolidates and further develops material covered in Painting I. Investigations include the figure, mixed media, and abstraction. Historical precedents are discussed through slide lecture as an aid to development.

An introduction to the form language of sculpture with projects designed to develop conceptual thinking skills, to learn technical skills, and to explore new areas of interest in the three-dimensional visual arts.

This is a seminar/discussion and studio course that guides BFA students in the research, development, and articulation of a thematic body of work within the context of contemporary art. Studio projects will be directed toward bringing individual vision toward full expression.

An advanced level class in printmaking with emphasis on screenprinting, relief, intaglio, and/or lithography. Emphasis on individual portfolio production.
This course addresses intermediate issues in craftsmanship, form and content through assignments and projects. Students will conduct directed research, draft proposals, fire kilns, make clay and mix glazes.

This course addresses advanced issues in craftsmanship and concepts through lecture and proposal based projects. Research assignments that explore ceramic processes and current trends in ceramic art are emphasized.

Development of advanced design concepts and procedures with emphasis on basic techniques and concept development in fabrication, casting, enameling, cold connectors, and surface enrichment.

Application of design theory and process to complex problems in visual communication. Emphasis is placed on research, analysis, problem definition, and the development of individual design solutions. Studio projects vary each term and will generally involve visual identity, information design, environmental graphics, publication design, and design for interactive media.

Orientation to professional practice in visual communication including art direction and work situations, client relations, portfolio and resume preparation, self promotion, and career advancement. Course contents will be explored through reading, writing, lecture, discussion, critique, simulation, guest presentations, studio visits, and project work tailored to individual portfolio development.

Students will further develop personal expression in the visual arts using computer media through aesthetic problem solving and further development of digital media skills. There will be an emphasis on strengthening the students' ability to work independently while supplying the necessary feedback from the interaction of a class.

This course is an introduction to the principles of interaction design as it relates to physical and digital space, with a focus on designing user-centered artifacts like interactive publications and apps for hand-held devices. Theoretical concepts like ethnography, user-testing, and the use of mapping in design will be explored. We will also explore the landscape of technology as it relates to interaction, and the use of appropriate tools and software to create prototypes and functioning digital designs.

Emphasis on developing independence in the painting student and to provide an opportunity for them to pursue their own area of interest in painting while providing the necessary feedback from the interaction of a class.

Advanced individual problems in selected areas of concentration; research and development of conceptual,
Experimental photographic alternatives to the traditional methods of photographic image making. Emphasis will be placed on using the camera, darkroom techniques and digital and emerging technology in ways that will give the students the mind-set and ability to push the limits of the medium.

Emphasis on portfolio preparation and professional writing skills pertinent to the completion of the BFA Thesis Exhibit and future career applications. Students work on the development and synthesis of ideas, and fine-tune relevant artistic and critical evaluation skills. During this course students will be required to produce new work for the BFA Thesis Exhibit.

A global survey of the history of art and architecture from BC 15,000 to AD 1000. Visual art from the first artistic expressions on rocks to the art of emerging civilizations (such as Mesopotamia, Egypt, China, India, and Africa), and the monuments and small-scale artifacts of the Medieval Ages will be analyzed in its historical, social, political, and broader cultural contexts.

A historical account of the architecture, sculpture, and painting of Asia (India, Nepal, Tibet, Myanmar, Sri Lanka, Thailand, Cambodia, Indonesia, China, Korea, and Japan), including the political, religious, and intellectual history informing the arts of each country.

The history of the visual arts (including painting, sculpture, architecture and photography) from 1850 to the 1950s. Study of issues in European and American Modernism; multicultural perspectives; the political, social, and intellectual history informing the arts of that period.

Critical analysis of developments in the arts (including multimedia art, photography, performance art, installations, and feminist art) from 1960s to the present. Emphasis on post modern currents and issues and their study in the context of broader cultural contexts.

An historical account of the architecture, sculpture and painting of China including the political, religious, and intellectual history informing the arts of different regions.

An investigation of selected movements, figures and theories from the history of graphic design. Contents include intersections with art and related disciplines along with the social, political, and technical forces that have influenced visual culture over time. Topics are selected thematically according to their significance to the design profession in our current day and include the role of design research in contemporary practice.

This is a reading, writing and discussion course, which addresses historical and contemporary issues of photographic art practices. Written projects and class discussions will focus on developing a critical understanding of the readings as they relate to the historical development and contemporary practice of...
photography as a fine art, to the influence photography has had on the history of art and to the broader cultural impact of photography and digital media.

<table>
<thead>
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<th>Units</th>
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<td>1730 - 1845</td>
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<td>ASL 3000</td>
<td>Proficiency Development</td>
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<td>1730 - 1845</td>
<td>TR</td>
<td>EH105</td>
<td>Cummens,</td>
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This is a transition course to upper division. The course focuses on oral proficiency development. Students will learn a variety of techniques and strategies to increase their oral proficiency in a variety of social, educational and cultural settings. Native-speaking students or those who have acquired proficiency through residence in the target language community are not eligible to take this class.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Time Period</th>
<th>Days</th>
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<td>ASTR 1040</td>
<td>PS/SI Elementary Astronomy</td>
<td>3</td>
<td>0830 - 0920</td>
<td>MWF</td>
<td>LL203</td>
<td>Armstrong,</td>
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<td>ASTR 1040</td>
<td>PS/SI Elementary Astronomy</td>
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<td>0930 - 1020</td>
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<td>ASTR 1040</td>
<td>PS/SI Elementary Astronomy</td>
<td>3</td>
<td>1430 - 1520</td>
<td>MWF</td>
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<tr>
<td>ASTR 1040</td>
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<td>ASTR 2040</td>
<td>PS Prin of Observational Astr</td>
<td>3</td>
<td>Full Semester</td>
<td>M</td>
<td>1630 - 1920</td>
<td>TY127</td>
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An introductory course in observational astronomy. Topics will include planetary, stellar, and galactic astronomy, with a focus on modern observational techniques, including digital imagery, spectroscopy, and observing with science-grade astronomical instrumentation.

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<tr>
<td>AT 1300</td>
<td>First Aid: Resp to Block 1</td>
<td>2</td>
<td>Full Semester</td>
<td>S</td>
<td>0815 - 1700</td>
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Only meeting on two Saturdays - September 7th and 14th

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<tbody>
<tr>
<td>AT 1550</td>
<td>Intro to Athletic Therapy</td>
<td>1</td>
<td>Full Semester</td>
<td>F</td>
<td>1230 - 1320</td>
<td>MH341</td>
<td>Gabler, Conrad</td>
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This course is designed to introduce students to health care professions that the majority of athletic therapy majors pursue. These health care professions include: athletic training (AT), physical therapy (PT), occupational therapy (OT), physician assistant (PA), and medicine (MD or DO). Through lecture and assignments, students will learn the process to apply for the graduate school of their choice and learn skills and perform activities to get them ready for graduate school.

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<th>Course</th>
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<tr>
<td>AT 2175</td>
<td>Intro to Sports Medicine</td>
<td>3</td>
<td>Full Semester</td>
<td>MW</td>
<td>1230 - 1320</td>
<td>SW229</td>
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Presents the duties, functions, and collaboration of sports medicine professionals in the care and supervision of athletes. The course will focus on the prevention, diagnosis, and treatment of common musculoskeletal injuries/illnesses, strength and conditioning of athletes, environmental factors and guidelines, and management and administration of the sports medicine team.

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<th>Course</th>
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<tr>
<td>AT 2300</td>
<td>Emergency Response</td>
<td>3</td>
<td>Full Semester</td>
<td>TR</td>
<td>0745 - 0830</td>
<td>SW229</td>
<td>Bass, Joel</td>
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Meets the needs of the non-health care professional who has a duty to respond in an emergency. Provides more skills and in-depth training than the First Aid: Responding to Emergencies course. Course leads to American Red Cross certification in Emergency Response and CPR for the Professional Rescuer. Cross-listed with Health.

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<th>Course</th>
<th>Title</th>
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<td>Emergency Response</td>
<td>3</td>
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<td>AT 2300</td>
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<td>Full Semester</td>
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<td>1830 - 2110</td>
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<th>Course</th>
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<td>AT 2300</td>
<td>Emergency Response</td>
<td>3</td>
<td>Full Semester</td>
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<td>1730 - 2010</td>
<td>SW229</td>
<td>Stone, Lester</td>
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<tr>
<td>AT 3300</td>
<td>Eval &amp; Care/Lower Extremity</td>
<td>3</td>
<td>Full Semester</td>
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<td>1200 - 1315</td>
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Content of this course addresses evaluation techniques and care for musculoskeletal injuries to the trunk and lower extremities. The student must integrate knowledge of anatomical structures, physiology principles and evaluative techniques to provide a basis for critical decision-making in an injury management environment.

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<tr>
<th>Course</th>
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<td>AT 4150</td>
<td>Modalities - Athletic Therapy</td>
<td>3</td>
<td>1330 - 1420</td>
<td>MWF</td>
<td>SW315</td>
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Specifically designed for the pre-professional student, the course will introduce the student to contemporary usage and basic foundation of therapeutic modalities. Through lecture, discussion, and laboratory experience, the scientific basis of musculoskeletal rehabilitation involving therapeutic modalities will be examined. Emphasis will be placed on fundamental concepts of tissue healing and pain control techniques, as well as an introduction to cryothermotherapy, massage, traction, ultrasound and electrical stimulation.

| AT 4201 | Adv Rehab of Athletic Injuries             | 3       | 0800 - 0915 | MW   | SW229    | Cohen, Alysia  |
| 21969   | Full Semester                              |         |            |      |          |                |

Content of this course provides advanced understanding of therapeutic exercise as it relates to the rehabilitation process of musculoskeletal injuries. This course provides advanced instruction and hands on techniques in the rehabilitation of an athlete/patient from an injury state to a highly competitive state.

| AT 4250 | Rehab Athletic Therapy                     | 3       | 1030 - 1120 | MWF  | SW229    | Stedge,        |
| 21958   | Full Semester                              |         |            |      |          |                |

This course provides an overview of therapeutic exercise as it relates to the rehabilitation process of musculoskeletal injuries for Athletic Therapy majors. This course provides instruction and hands-on techniques in basic therapeutic rehabilitation techniques.

| AT 4500 | CEL Clinical Application AT 3              | 4       | 1130 - 1220 | MW   | SW315    | Cohen, Alysia  |
| 21970   | Full Semester                              |         |            |      |          |                |

Provides an opportunity for students to receive skill proficiency testing in areas of basic therapeutic exercise, basic therapeutic modalities, general medical conditions, and pharmacology.

| AT 4600 | Administration & Mangmt in                 | 3       | 1030 - 1120 | TR   | IE106    | Donahue,       |
| 21971   | Full Semester                              |         |            |      |          |                |

Provides an overview of the necessary policies, procedures, maintenance, and daily operation of athletic training facilities. Applies principles of facility design and planning, information management, legal and ethical considerations in health care, and professional development as it relates to athletic training.

| AT 4700 | Intro to Rad for Ath Train Pro              | 1       | 0930 - 1020 | T    | MH355    | Walker, Robert |
| 21976   | Full Semester                              |         |            |      |          |                |

| AT 4800 | Individual Projects                        | 1       | TBA         | TBA  |          |                |
| 21959   | Full Semester                              |         |            |      |          |                |

A comprehensive study or project in the field of Athletic Training. Hours to be arranged for seniors only.

| AT 4800 | Individual Projects                        | 2       | TBA         | TBA  |          |                |
| 21960   | Full Semester                              |         |            |      |          |                |

A comprehensive study or project in the field of Athletic Training. Hours to be arranged for seniors only.

| AT 4800 | Individual Projects                        | 3       | TBA         | TBA  |          |                |
| 21961   | Full Semester                              |         |            |      |          |                |

A comprehensive study or project in the field of Athletic Training. Hours to be arranged for seniors only.

| AT 4800 | Individual Projects                        | 1       | TBA         | TBA  |          |                |
| 21962   | Full Semester                              |         |            |      |          |                |

A comprehensive study or project in the field of Athletic Training. Hours to be arranged for seniors only.
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<td>BOC Exam Preparation</td>
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<td>This is a required course for Athletic Training Majors who are preparing for the Board of Certification (BOC) Exam.</td>
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<td>ATHL 1180 1</td>
<td>Varsity Softball</td>
<td>1400 - 1700</td>
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<td>This athletic activity course is intended to engage students in the sport of softball at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play.</td>
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<tr>
<td>ATHL 1510 1</td>
<td>Varsity Volleyball</td>
<td>1400 - 1730</td>
<td>MTWR</td>
<td>SW322</td>
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<td>ATHL 1520 1</td>
<td>Varsity Soccer</td>
<td>1300 - 1600</td>
<td>MTWR</td>
<td>SWPF</td>
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<td>This athletic activity course is intended to engage students in the sport of soccer at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play.</td>
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<tr>
<td>ATHL 1570 1</td>
<td>Varsity Basketball</td>
<td>1500 - 1700</td>
<td>MTWR</td>
<td>DC006</td>
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<td>This athletic activity course is intended to engage students in the sport of basketball at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play.</td>
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This athletic activity course is intended to engage students in the sport of basketball at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Men’s Varsity Basketball

| ATHL 1570 1 | Varsity Basketball | 1300 - 1500 | MTWR | DC006 |
| 21137 | Full Semester |

This athletic activity course is intended to engage students in the sport of basketball at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Women’s Varsity Basketball

| ATHL 1580 1 | Varsity Cross Country | 1500 - 1800 | MTWR | SDTRK | Pilkington, Paul |
| 21139 | Full Semester |

This athletic activity course is intended to engage students in the sport of cross country at the collegiate level. Students will learn techniques and participate in drills to assist with the development of competitive skills and prepare for varsity cross country meets.

| ATHL 1590 1 | Varsity Football | 1400 - 1800 | MTWR | SDFLD | Hill, Jay |
| 21148 | Full Semester |

This athletic activity course is intended to engage students in the sport of football at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play.

| ATHL 1600 1 | Varsity Golf | 1400 - 1700 | MTWR | SDTRK | Erling, Scott |
| 21186 | Full Semester |

This athletic activity course is intended to engage students in the sport of golf at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Men’s Varsity Golf

| ATHL 1600 1 | Varsity Golf | 1400 - 1700 | MTWR | SDFLD | Federico, Sara |
| 21188 | Full Semester |

This athletic activity course is intended to engage students in the sport of golf at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Women’s Varsity Golf

| ATHL 1630 1 | Varsity Tennis | 1230 - 1600 | MTWR | SWTC | Ferreira, |
| 21190 | Full Semester |

This athletic activity course is intended to engage students in the sport of tennis at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Men’s Varsity Tennis

| ATHL 1630 1 | Varsity Tennis | 1230 - 1600 | MTWR | SWTC | Ferreira, |
| 21192 | Full Semester |

This athletic activity course is intended to engage students in the sport of tennis at the collegiate level. Students will learn techniques, drills, and games to assist with the development of skills and competitive game play. • Women’s Varsity Tennis

| ATHL 1640 1 | Varsity Track and Field | 1300 - 1700 | MTWRF | WI103 | Pilkington, Paul |
| 21198 | Full Semester |

This athletic activity course is intended to engage students in the sport of track and field at the collegiate level. Students will learn techniques and drills to assist with the development of skills for competition.

| ATHL 1760 1 | Spirit Squad | 1730 - 2010 | WR | WI103 | Willis, Summer |
| 21201 | Full Semester |

This athletic activity course is intended to engage students in dance/cheer for the spirit squad at the collegiate level. Students will learn techniques to assist with the development of skills and performance.
ATTC 3000 1 Intro to Auto Technology TBA TBA Stevenson, Full Semester

An introduction to the Automotive Technology program. Degree requirements and options, internship preparation, employment opportunities, required professional publications, communication, and other topics. (This course is a prerequisite for most automotive technology courses.)

ATTC 3260 3 Advanced Electrical Systems 1330 - 1620 M TE215J Hadzik, Scott Full Semester

A study of the advanced electrical systems in today's vehicles. Vehicle communication networks, body control systems, chassis control systems, powertrain control, hybrid control, and battery control systems.

ATTC 3520 3 Fleet Management TBA TBA Miya, Beth Full Semester

Study of fleet standards, fixed operations, inventory and personnel management, financial policies and procedures. Includes financial statement analysis.

ATTC 3760 3 Adv. Automotive 1330 - 1620 T TE214 Kelly, John Full Semester

Advanced Automotive Technologies

ATTC 3760 3 Adv. Automotive TBA TBA Stevenson, Full Semester

Advanced Automotive Technologies

ATTC 4530 3 Hybrid & Electric Vehicle Syst TBA TBA Kelly, John Full Semester

An in-depth look at the operation, diagnosis, and service of hybrid (HEV), plug-in hybrid (PHEV), and electric vehicles (EV). Topics include: Safety and personal protective equipment (PPE), low voltage systems, high voltage systems, high voltage batteries, inverter/converters, transaxles, electric motors, Atkinson Cycle internal combustion engines (ICE), heating, ventilation, and air-conditioning (HVAC) systems, braking/regenerative braking, and steering systems. Preparation for the ASE L3 Light duty hybrid/electric vehicles exam is included.

ATTC 4550 3 Adv Automotive Emissions TBA TBA Speigle, William Full Semester

The study and evaluation of vehicle and fuel technologies to meet current and future emissions standards. We will explore what automotive emissions are currently regulated, purpose and procedures associated with emissions testing, current and future emissions reduction technologies, and how sustainable manufacturing is being implemented in industry. The topics in this class will help you to prepare for the L1 Advanced Engine Performance test.

ATTC 4560 3 Advanced Propulsion 1330 - 1620 R TE214 Kelly, John Full Semester

A study of advanced propulsion systems including those used on hybrid-electric vehicles, plug-in hybrids, electric vehicles, and other propulsion technologies. Advanced transmissions/transaxles, wheel motors, drive motors, etc. are included.

ATTC 4710 2 Capston Research Methods TBA TBA New bold, Blair Full Semester

This is the first course in the Capstone Project for seniors. This course will prepare students to complete the capstone project. Students will create the initial proposal and receive approval for the project. Students will start the research for the project using the standards established by the Society of Automotive Engineers (SAE).

ATTC 4830 3 Directed Readings TBA TBA Hadzik, Scott Full Semester
Individual readings supervised by a faculty member.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>AUSV 1000</td>
<td>Intro to Automotive Service</td>
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<td>0930 - 1120</td>
<td>TE215H</td>
<td>New bold, Blair</td>
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An introduction to automotive shop safety, pollution prevention, hazardous waste handling, Internet-based electronic service information, diagnostic scan tools, ASE certifications, safety inspection certifications, emissions inspection certifications, developing job interview skills, and resume writing. (This course is a prerequisite for all automotive service courses.)

An introduction to maintenance and light repair tasks including: lube oil and filter change, basic under vehicle inspection and maintenance, basic under hood inspection and maintenance, wheel and tire service, Internet-based electronic service information, and diagnostic scan tools. (This course is a prerequisite for all automotive service courses.)

Theory, operation, diagnosis, and repair of automotive braking systems. This is the second part of a two-part class.

Theory, operation, diagnosis, and repair of steering and suspension systems. This is the first part of a two-part class.

Theory, operation, diagnosis, repair, and overhaul of automotive engines.

Theory, operation, diagnosis, repair, and overhaul of automotive engines. This is the second part of a two-part class.

Theory, operation, diagnosis, maintenance, and overhaul of Honda manual transmissions and transaxles, drive axles and differentials, drivelines, and transfer units.

Electrical fundamentals, use of meters and wiring diagrams, wiring repair. Theory, diagnosis, and repair of computer inputs, outputs, and communication systems. The use of electronic service information, the proper diagnostic process, and proper diagnostic service tools are emphasized. This is a three-part class.

Electrical fundamentals, use of meters and wiring diagrams, wiring repair. Theory, diagnosis, and repair of lighting, infotainment, electronic control modules. The use of electronic service information, the proper diagnostic process, and proper diagnostic service tools are emphasized. This is the third part of a three-part class.

Operation, diagnosis and repair of selected automotive systems, as well as general auto shop orientation for
beginners and non-automotive majors.

AUSV 2020 3  Engine Control Systems  1130 - 1320  MW  TE215H  Speigle, William
21115  
Full Semester

Theory, operation, diagnosis, and repair of automotive fuel systems, OBD-II and Tier-2 emission control systems, and ignition systems. (AUSV 1120, AUSV 2020 are equivalent to AUSV 2625.)

AUSV 2120 3  Auto Elect/Body Control  1230 - 1520  T  TE217C  New bold, Blair
21394  
Full Semester

Theory, diagnosis, and repair of starting, charging, lighting, air-bags, power accessories, and various body control systems. The use of electronic service information, the proper diagnostic process, and proper diagnostic services tools are emphasized. (AUSV 1320, AUSV 2120 are equivalent to AUSV SH325.)  Recommended prerequisite: AUSV 1000.

AUSV 2320 3  Automotive Climate Control  0730 - 1120  T  TE215H  Holland, Scott
20922  
Full Semester

Theory, operation, diagnosis and repair of climate control systems. (AUSV 1020 is equivalent to AUSV 1021, AUSV 1022, and AUSV 2320).

AUSV 2520 4  Automatic Transmissions  1230 - 1620  MW  TE214  Kelly, John
21405  Block 2

Theory, operation, diagnosis and overhaul procedures of automatic transmissions.

AUSV 2860 3  Auto Shop Practice  TBA  TBA  Slater, Jessica
21437  
Full Semester

Provides an opportunity to practice skills needed by Automotive Service technicians derived from classroom and shop experience. Simulates line mechanic work. Instructor approval required.

BDC 1040 3  Intro to Architecture  0900 - 1015  MW  D03144  Farner, Jeremy
21061  
Full Semester

An introductory course in Building Design & Construction to explore emerging CAD/BIM graphical communication technology to interpret and prepare plans for the Architecture, Engineering, and Construction industry. Course content includes print reading and interpretation of residential and commercial construction documents.

BDC 1350 3  Residential Design & Codes  1030 - 1145  MW  D03144  Farner, Jeremy
21062  
Full Semester

An introductory course in Building Design & Construction to explore emerging CAD/BIM tools to design code compliant homes. Course content includes instruction in 2D and 3D Computer Design (CAD) software to design and model a small residential home with an emphasis on residential methods and materials of construction, codes, and Building Information Modeling (BIM). As a Community Engaged Learning Class, students will reflect on their experience interacting with HFH representatives throughout the semester to design their next home build. These reflections will equate to 10% of the final grade and will be submitted periodically throughout the semester. A minimum of 4 reflections will be required to assess their Civic Knowledge and Skills to solve the design problem presented by HFH. It is estimated that each student will submit 40+ hours of service with HFH, a minimum of 8 must be through “A Brush with Kindness”, Home Builds, or Restore hours. The remaining hours will be completed through the amount of time spent designing the semester long project for consideration of being the plan selected to be built.

BDC 3000 3  Sustainable Buildg  1730 - 1845  W  D03144  Meyer,
24430  
Full Semester

This class can be taken as a Hybrid class that meets in person, online via Adobe Connect, or completely online via recored presentations. Students are required to at a minimum attend the first class period to set up their
Students will also be required to participate in an interdisciplinary Design Charette with IDT, and CMT students on September 13-15th. Students will meet their teams on Thursday at 4:00 PM for a quick kickoff meeting where the project guidelines will be given and students will be released to work on the project for the next 24 hours. Students will turn in their projects to be judged at 4:00 PM on Saturday and be assigned a presentation time with their team to the judges between 5-7 PM. An open house for family and friends will follow at 7:00 PM where th
resources that are appropriate for undergraduate research, with emphasis in the business disciplines. Cross listed with LIBS 2704.

**BSAD 2899** 3  
Business Foundations  
**TBA** **TBA** **OL** Hunter, Eric  
**Full Semester**

Completion of BSAD 2899 is required of all students pursuing any major, minor, emphasis or certificate awarded by the John B. Goddard School of Business & Economics. The course objectives are: 1) assessment of Business Foundation knowledge, and 2) admittance to the Goddard School. Students should register for this course concurrent with (same semester as) their last Business Foundation course (ACTG 2010, ACTG 2020, ECON 2010, ECON 2020, IST 2010 and QUAN 2600) or after the required Business Foundations courses have been completed. Students must have an overall GPA of 2.5 or higher and a Business Foundation GPA of 2.5 or higher and a minimum grade of "C-" in each of the six Business Foundation courses. Pre/Co-requisite: ACTG 2010, ACTG 2020, ECON 2010, ECON 2020, IST 2010, QUAN 2600.

**BSAD 3000** 3  
Small Business Management  
**TBA** **TBA** **OL** Morgan, James  
**Full Semester**

This course is designed for students majoring outside the John B. Goddard School of Business & Economics. It will not be counted for credit toward graduation for students majoring in the John B. Goddard School of Business & Economics. It covers the business management concepts involved in starting and/or managing a small business.

**BSAD 3200** 3  
Legal Environment of  
**TBA** **TBA** **OL** Pehrson, Chad  
**Full Semester**

Introduction to the legal and judicial system, emphasizing the application of regulatory law (e.g., antitrust, employment discrimination, etc.) and selected common law topics (e.g., contracts, agency, etc.).

**BSAD 3200** 3  
Legal Environment of  
**TBA** **TBA** **OL** Junk, Mike  
**Full Semester**

Introduction to the legal and judicial system, emphasizing the application of regulatory law (e.g., antitrust, employment discrimination, etc.) and selected common law topics (e.g., contracts, agency, etc.).

**BSAD 3200** 3  
Legal Environment of  
**1030 - 1145** **TR** WB122 Thue, Matthew  
**Full Semester**

Introduction to the legal and judicial system, emphasizing the application of regulatory law (e.g., antitrust, employment discrimination, etc.) and selected common law topics (e.g., contracts, agency, etc.).

**BSAD 3200** 3  
Legal Environment of  
**1730 - 2010** **T** WB104 Thue, Matthew  
**Full Semester**

Introduction to the legal and judicial system, emphasizing the application of regulatory law (e.g., antitrust, employment discrimination, etc.) and selected common law topics (e.g., contracts, agency, etc.).

**BSAD 3330** 3  
Bus Ethics & Environ  
**1730 - 2030** **M** D02104 Diehl, Rustin  
**Block 1**

An introduction to the rudiments of moral reasoning, concepts and principles, and their application to common ethical issues faced in business. Special attention will be given to moral issues associated with the use of the natural environment by businesses.

**BSAD 3330** 3  
Bus Ethics & Environ  
**1730 - 2010** **R** WB104 Thue, Matthew  
**Full Semester**

An introduction to the rudiments of moral reasoning, concepts and principles, and their application to common ethical issues faced in business. Special attention will be given to moral issues associated with the use of the natural environment by businesses.

**BSAD 3330** 3  
Bus Ethics & Environ  
**0900 - 1015** **TR** WB122 Thue, Matthew  
**Full Semester**

An introduction to the rudiments of moral reasoning, concepts and principles, and their application to common ethical issues faced in business. Special attention will be given to moral issues associated with the use of the
natural environment by businesses.

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Introduces students to gathering and analyzing primary and secondary data for a wide range of business applications, such as assessing customer or employee satisfaction. Students are introduced to CD ROM databases, other library resources, questionnaire development and administration, basic data analysis, and research report writing.

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<td>BSAD 4210</td>
<td>Survey of Business Law</td>
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An overview of sales, negotiable instruments, property, and debtor/creditor relations and other selected legal topics.

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<td>Executive Lectures</td>
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This course is designed to acquaint the students with successful executives, their personal styles and philosophies as leaders, and the keys to their effectiveness. The format is a series of weekly one-hour lectures delivered by guest executives. The course may be repeated for credit to a maximum of two credit hours.

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<td>Small Business Diagnostics</td>
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Diagnostic analysis of small business issues through the use of case studies and consultation opportunities with small businesses in the community. Students will work both individually and in teams to analyze the health of sample small businesses, identify issues and develop recommendations for remediation. Case issues will cover a broad spectrum of typical small business issues and require the student to evaluate based on all areas of business operations. Research, written reports and presentations are required. Cross-listed with ENTR 4680.

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A capstone course for seniors designed to facilitate integration of the knowledge gained in earlier courses. Focus of the course is on the total enterprise. Emphasis is on crafting well-conceived strategies and on successful strategy implementation.

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To access online course materials, please log into your Weber portal and click on WSU Online-Canvas.

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A capstone course for seniors designed to facilitate integration of the knowledge gained in earlier courses.
Focus of the course is on the total enterprise. Emphasis is on crafting well-conceived strategies and on successful strategy implementation.

**BSAD 4780**  
Strategic Management  
TBA  
TBA  
OL  
Noack, Dave

**BTNY 1203**  
LS Plant Biology  
1130 - 1220  
MVF  
TY102  
Schramm

An introductory course for non-majors that emphasizes unique features of plant biology. Included are discussions on: the origins of life; important plants of the world and their habitats; plant diversity, structure, function, and reproduction; plants and environmental science; plants that changed history; practical botany; and botany as a science. Three lecture/demonstration hours per week.

**BTNY 1203**  
LS Plant Biology  
TBA  
TBA  
OL  
Welsh, Sonya

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**BTNY 1203**  
LS Plant Biology  
TBA  
TBA  
OL  
Wellard, Blake

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**BTNY 1303**  
CEL LS Plants in Human  
TBA  
TBA  
OL  
Young, Susan

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**BTNY 1403**  
LS Environment Appreciation  
1730 - 2010  
W  
LL130  
Wachocki

Course may not be repeated for upper division credit (BTNY 3404).

**BTNY 1403**  
LS Environment Appreciation  
1130 - 1220  
MVF  
LL130  
Hilbig, Bridget

Course may not be repeated for upper division credit (BTNY 3403).

**BTNY 1403**  
LS Environment Appreciation  
1130 - 1220  
MVF  
LL130  
Hilbig, Bridget

Requires instructor approval.

**BTNY 1403**  
LS Environment Appreciation  
1200 - 1315  
TR  
LL130  
Wachocki

Course may not be repeated for upper division credit (BTNY 3403).

**BTNY 1403**  
LS Environment Appreciation  
1200 - 1315  
TR  
LL130  
Wachocki

Requires instructor approval.

**BTNY 1403**  
LS Environment Appreciation  
0900 - 1015  
TR  
LL124  
Pilcher, Brian

Course may not be repeated for upper division credit (BTNY 3403).

**BTNY 1403**  
LS Environment Appreciation  
1230 - 1320  
MVF  
HC014  
Young, Susan
BTNY 1403 3  LS Environment Appreciation  1230 - 1320  MWF  WW102  Young, Susan

Full Semester

BTNY 1403 3  LS Environment Appreciation  1230 - 1320  MWF  SP315  Young, Susan

Full Semester

BTNY 1403 3  LS Environment Appreciation  1230 - 1320  MWF  D03202  Young, Susan

Full Semester

BTNY 1403 3  LS Environment Appreciation  0900 - 1015  TR  D02301  Peterson

Full Semester

BTNY 1403 3  LS Environment Appreciation  1730 - 2010  T  D02110  Peterson

Full Semester

BTNY 2104 4  Plant Form and Function  0830 - 1020  MWF  TY354  Harley, Sue

Full Semester

Course fee $25.00.

BTNY 2104 4  Plant Form and Function  1200 - 1445  TR  D02330  Peterson

Full Semester

BTNY 2114 4  Evolutionary Survey of Plants  1030 - 1220  MWF  TY354  Wachocki

Full Semester

Course fee $20.00.

BTNY 2121 1  Career Planning for Botanists  1230 - 1320  W  TY354  Wachocki

Full Semester

Course designed for majors to introduce them to expected student learning outcomes, assessment of these expected outcomes, advisement and/or mentoring, keys to success in getting a job or into graduate school, career resources available, and how to start and develop the Botany Student Portfolio. One lecture per week. Botany majors are advised to take this course concurrently with BTNY 2104 or BTNY 2114.

BTNY 2413 3  Natural Resource  0830 - 0920  MWF  TY351  Root, Heather

Full Semester

Course fee $10.00.

BTNY 2600 1  Laboratory Safety  1230 - 1320  M  LL130  Wachocki

Full Semester

An interdisciplinary, team-taught course that will be an overview of the major chemical, biological and physical safety issues related to science laboratories and field work. Class will meet once per week and will be taught in a lecture/demonstration format.

BTNY 2810 4  Molecular Toolbox  0930 - 1020  WF  TY351  Schramm

Full Semester

1330 - 1620  WF  TY350  Hilbig, Bridget
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Course fee $25.00. Lab: Tuesdays and Thursdays from 1:30-4:20.

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Requires instructor approval. Prerequisite BTNY 2104 or 2114. Course may not be repeated for lower division credit (BTNY 1403).

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Course fee $25.00. Lab: Mondays from 1:30-4:20. Prerequisites: BTNY 2114 and Math 1050 or 1080.

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Course fee $25.00. Lab: Tuesdays and Thursdays from 11:00 to 12:50. Prerequisites: BTNY 2104 or BTNY 2114 or Micro 2054.

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Acquaintance and practice with various teaching and assessment methods. Development of science curricula including lesson and unit plans. It is recommended that this course be completed immediately before student teaching.

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Prerequisites: BTNY 2104 and BTNY 2114.

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Open to all students in the Botany Department who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

Requires instructor approval. Prerequisite: At least one upper division Botany course. Course includes one 5-day trip with a lodging and transportation fee of approximately $100 depending on the actual costs.

Written and oral presentation of thesis research results and evaluation. Also includes final evaluation of the student's portfolio and taking of Botany graduation assessment examination.

Requires instructor approval. Prerequisite: At least one upper division Botany course. Course includes one 5-day trip with a lodging and transportation fee of approximately $100 depending on the actual costs.

Written and oral presentation of thesis research results and evaluation. Also includes final evaluation of the student's portfolio and taking of Botany graduation assessment examination.

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Final evaluation of the Botany Student Portfolio that was introduced in BTNY 2121, Career Planning for Botanists.

Oral presentation of either library research or individual research. Final evaluation of the student's portfolio and taking of Botany graduation assessment examination. The course is to be taken the last semester of the senior year.
This is a lecture-demonstration class designed to introduce the subject of chemistry and requires no prior chemistry experience. This class is designed for students who will not be majoring in a discipline that requires any further chemistry coursework. This course is not intended to prepare students for any future chemistry coursework.

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A course designed to provide the minimal prerequisite skills needed for entry into CHEM 1210. Three hours of lecture per week.

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Unable to waitlist due to multiple sections. You must register for a lab with this course.

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This is the first course in a series designed primarily for science majors and others who will take more than one year of chemistry such as pre-medical students, clinical/medical laboratory scientists, and some engineering students. Course topics include components of matter, stoichiometry, major classes of reactions, gases and kinetic molecular theory, thermochemistry, quantum theory and atomic structure, models of chemical bonding, shapes of molecules, intermolecular forces, and properties of mixtures. The laboratory emphasizes qualitative and quantitative methods of analysis. Four hours of lecture and one 3-hour lab each week.
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gases and kinetic molecular theory, thermochemistry, quantum theory and atomic structure, models of chemical bonding, shapes of molecules, intermolecular forces, and properties of mixtures. The laboratory emphasizes qualitative and quantitative methods of analysis. Four hours of lecture and one 3-hour lab each week.

CHEM 1215  1  Principles of Chemistry I Lab  1330 - 1620  R  TY366  Covey, Tracy
24568  Full Semester

CHEM 1220  5  Principles of Chemistry II  0830 - 0920  MWRF  TY102  Paustenbaugh,
22305  Full Semester

You Must register for lab CRN 22306

CHEM 1220  0  Principles of Chemistry II Lab  1330 - 1620  W  TY366  Paustenbaugh,
22306  Full Semester

This is the second course in a series designed primarily for science majors and others who will take more than one year of chemistry such as pre-medical students, clinical/medical laboratory scientists, and some engineering students. Course topics include kinetics, equilibrium including aqueous solution equilibrium, thermodynamics, electrochemistry, and an introduction to inorganic, nuclear, and organic chemistry. The laboratory emphasizes qualitative and quantitative methods of analysis. Four hours of lecture and one 3-hour lab a week.

CHEM 1220  5  Principles of Chemistry II  1630 - 1750  W  TY234  Davidson,
22307  Full Semester  Berghout,

This is Hybrid course taught face-to-face and online. You Must register for lab CRN 22308. This course is team taught by Berghout/Davidson.

CHEM 1220  0  Principles of Chemistry II Lab  1330 - 1620  W  TY366  Davidson,
22308  Full Semester  Berghout,

Principles of organic chemistry, including structure and reactivity of carbon based molecules. Detailed study of mechanisms, synthesis, and reactions. Alkane, alkyl halide, alkyne, alcohol, and other ether families are covered. Four hours of lecture a week.

CHEM 2310  4  Organic Chemistry I  0830 - 0920  MTWF  LL123  Davies, Don
22410  Full Semester

Principles of organic chemistry, including structure and reactivity of carbon based molecules. Detailed study of mechanisms, synthesis, and reactions. Alkane, alkyl halide, alkyne, alcohol, and other ether families are covered. Four hours of lecture a week.

CHEM 2310  4  Organic Chemistry I  1130 - 1220  MTWR  LL123  Lloyd, Barry
22411  Full Semester

CHEM 2315  1  Organic Chemistry I Lab  1330 - 1620  T  TY375  Campbell, Carol
22413  Full Semester

Lab course designed to be taken with CHEM 2310. Includes organic laboratory techniques, synthesis, product isolation, spectroscopy and analysis.
CHEM 2315 1  Organic Chemistry I Lab 1330 - 1620  W  TY375  Lloyd, Barry
22414  
Full Semester  
Lab course designed to be taken with CHEM 2310. Includes organic laboratory techniques, synthesis, product isolation, spectroscopy and analysis.

CHEM 2315 1  Organic Chemistry I Lab 0830 - 1120  R  TY375  Davies, Don
22416  
Full Semester  
Lab course designed to be taken with CHEM 2310. Includes organic laboratory techniques, synthesis, product isolation, spectroscopy and analysis.

CHEM 2320 4  Organic Chemistry II 1130 - 1220  MTWF  LL122  Davies, Don
22420  
Full Semester  
Principles of organic chemistry, second semester. A continuation of structure and reactivity analysis, along with structure elucidation techniques, spectroscopy and synthetic reactions. Coverage includes aromatics, carbonyls, carboxylic acid derivatives, and sugars. Four hours of lecture a week.

CHEM 2325 1  Organic Chemistry II Lab 1330 - 1620  M  TY375  Davies, Don
22427  
Full Semester  
Lab course designed to be taken with CHEM 2320. Includes organic laboratory techniques, synthesis, product isolation, spectroscopy and analysis.

CHEM 2325 1  Organic Chemistry II Lab 1330 - 1620  R  TY375  Lloyd, Barry
22428  
Full Semester  
Lab course designed to be taken with CHEM 2320. Includes organic laboratory techniques, synthesis, product isolation, spectroscopy and analysis.

CHEM 2600 1  Laboratory Safety 1230 - 1320  M  LL130  Wachocki,  
22429  
Full Semester  
An interdisciplinary, team-taught course that will be an overview of the major chemical, biological and physical safety issues related to science laboratories and field work. Class will meet once per week and will be taught in a lecture/demonstration format.

CHEM 2890 1  Cooperative Work Experience TBA  TBA  Walker,  
22431  
Full Semester  
Open to all students in the Chemistry Department who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

CHEM 2890 2  Cooperative Work Experience TBA  TBA  Walker,  
22432  
Full Semester  
Open to all students in the Chemistry Department who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

CHEM 2890 3  Cooperative Work Experience TBA  TBA  Walker,  
22433  
Full Semester  
Open to all students in the Chemistry Department who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

CHEM 2990 1  Chem Tech Seminar 0930 - 1020  W  LL122  Walker,  
22446  
Full Semester  
A course designed to provide the skills necessary to enter the job market as a Chemical Technician.

CHEM 3000 4  Quantitative Analysis 1030 - 1145  TR  TY251  Lippert, Andy
Theory and methods of gravimetric and volumetric analysis and simple instrumentation. Includes statistical evaluation of results. Three hours of lecture and one 3-hour lab per week.

**CHEM 3000**

**Quantitative Analysis Lab**

- Credits: 0
- Schedule: 1330 - 1620
- Type: T
- Room: TY251
- Instructor: Lippert, Andy

Full Semester

Theory and methods of gravimetric and volumetric analysis and simple instrumentation. Includes statistical evaluation of results. Three hours of lecture and one 3-hour lab per week.

**CHEM 3020**

**Computer Application in Chem**

- Credits: 1
- Schedule: 1200 - 1250
- Type: R
- Room: TY240
- Instructor: Lippert, Andy

Full Semester

A course designed to provide students computer skills for applications including computation and electronic data bases searches. It is required that this course be taken before or with CHEM 3000. One hour of lecture/discussion a week.

**CHEM 3070**

**Biochemistry I**

- Credits: 3
- Schedule: 0730 - 0820
- Type: MWF
- Room: LL123
- Instructor: Walker, Andy

Full Semester

Structure and function of biomolecules including proteins, nucleic acids, fats and carbohydrates. A focus on proteins as energy transforming and catalytic devices; their role in metabolism, defense and other biochemical processes. Three lectures a week.

**CHEM 3070**

**Biochemistry I**

- Credits: 3
- Schedule: 1030 - 1120
- Type: MWF
- Room: LL123
- Instructor: Johnson, Todd

Full Semester

Structure and function of biomolecules including proteins, nucleic acids, fats and carbohydrates. A focus on proteins as energy transforming and catalytic devices; their role in metabolism, defense and other biochemical processes. Three lectures a week.

**CHEM 3075**

**Biochemistry I Lab**

- Credits: 1
- Schedule: 0730 - 1020
- Type: T
- Room: TY374
- Instructor: Walker, Andy

Full Semester

Biochemistry lab course designed to accompany Biochemistry I Lecture, CHEM 3070. Includes biochemical concept illustration using chemical and biological techniques and experimentation.

**CHEM 3075**

**Biochemistry I Lab**

- Credits: 1
- Schedule: 1330 - 1620
- Type: T
- Room: TY374
- Instructor: Johnson, Todd

Full Semester

Biochemistry lab course designed to accompany Biochemistry I Lecture, CHEM 3070. Includes biochemical concept illustration using chemical and biological techniques and experimentation.

**CHEM 3410**

**Foundations in Phys**

- Credits: 4
- Schedule: 1130 - 1220
- Type: MWF
- Room: TY247
- Instructor: Paustenbaugh, Andy

Full Semester

The one-semester foundation course in Physical Chemistry covering chemical thermodynamics and kinetics with an introduction to quantum mechanics through application to spectroscopy. Three hours of lecture and one 3-hour lab a week.

**CHEM 3410**

**Found in Phys Chemistry Lab**

- Credits: 0
- Schedule: 1330 - 1620
- Type: M
- Room: TY247
- Instructor: Paustenbaugh, Andy

Full Semester

The one-semester foundation course in Physical Chemistry covering chemical thermodynamics and kinetics with an introduction to quantum mechanics through application to spectroscopy. Three hours of lecture and one 3-hour lab a week.

**CHEM 3410**

**Found in Phys Chemistry Lab**

- Credits: 0
- Schedule: 1330 - 1620
- Type: T
- Room: TY247
- Instructor: Paustenbaugh, Andy

Full Semester

The one-semester foundation course in Physical Chemistry covering chemical thermodynamics and kinetics with an introduction to quantum mechanics through application to spectroscopy. Three hours of lecture and one 3-hour lab a week.
with an introduction to quantum mechanics through application to spectroscopy. Three hours of lecture and one 3-hour lab per week.

**CHEM 3610 4** Foundations in Inorganic

**Full Semester**

A foundation course for chemistry majors and minors. Topics include atomic properties, bonding, molecular symmetry, solid state structures, and transition metal complexes. This class will meet for 3 hours each week with one 3-hour laboratory per week.

**CHEM 3610 0** Found in Inorganic Chem Lab

**Full Semester**

A foundation course for chemistry majors and minors. Topics include atomic properties, bonding, molecular symmetry, solid state structures, and transition metal complexes. This class will meet for 3 hours each week with one 3-hour laboratory per week.

**CHEM 4250 3** Medicinal Chemistry

**Full Semester**

Medicinal chemistry is a fast-paced and important field that has direct impacts on overall world health and quality of life. This 3-credit-hour course is designed for students with an interest in chemistry, biochemistry, pharmacology, and medicine. It will provide an in-depth look at how pharmacologically active molecules are designed, how they chemically interact with their targets, and how they work molecularly to treat human diseases. Selected case studies will be used to illustrate the concepts being covered. In line with our university mission, an over-arching theme will be looking at how medicinal chemistry affects our worldwide community with emphasis on patents, drug development costs, risks, and ethics.

**CHEM 4540 4** Spectrometric/Separation

**Full Semester**

Theory and practice of spectrometric and separation methods in the study of chemical systems. Three hours of lecture and one 3-hour lab per week.

**CHEM 4540 0** Spectrom/Separation Metho

**Full Semester**

Topic: Consumer Chemistry

**CHEM 4570 3** Sec Sch Sci Teaching

**Full Semester**

Acquaintance and practice with various teaching and assessment methods. Development of science curricula including lesson and unit plans. It is recommended that this course be completed immediately before student teaching.

**CHEM 4630 3** Materials Chemistry

**Full Semester**

Materials chemistry is the study of the synthesis, structure, properties, and applications of solid materials. Our technology-driven world is fueled by advances in materials chemistry with examples of application in areas such as nanomaterials, polymers, and energy technology. This survey course will focus on the synthesis of materials through gas, liquid, and solid phase reactions. Crystalline and molecular structure of materials will be related to electronic, optical, thermal, and mechanical properties. Some material characterization techniques including x-ray diffraction and microscopy will be covered.

**CHEM 4700 1** Consumer Chemistry

**Full Semester**

Topic: Consumer Chemistry

**CHEM 4800 1** Research & Independent

**Full Semester**

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A survey course which addresses the developmental aspects of individuals across the lifespan. Course content encompasses the study of biological, cognitive, social, and emotional developmental changes of the healthy individual in the context of the family and society. It emphasizes and demonstrates the vital connections between theory, research, and application.
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Examines the major physical, socioemotional, and cognitive/language developmental milestones for children, both typical and atypical, through middle childhood. There is an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students observe children, evaluate individual differences and analyze characteristics of development at various stages.

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An overview of the historical roots of early childhood education; theoretical approaches, developmentally appropriate practice, types and efficacy of early childhood programs; and political issues and ethical conduct within the early childhood profession. 3 hours lecture per week and 12 hours field observation.

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The development of a philosophy and a plan of action for guiding the child based on theories of development. Lectures combine with laboratory experiences to provide opportunity for building relationships with young children. Students complete a minimum of 24 hours practicum arranged by the instructor. May be taken concurrently with CHF 2600. Prerequisite: CHF SS1500.

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Open to all students in the Child and Family Studies Department who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department and faculty advisor.

The content of this course is designed to create a foundation of knowledge and understanding for the required core competency of the nationally recognized Family Life Education Content areas. Specifically addressing competency area number 3, Human Growth and Development across the Lifespan. The course will focus on normative and non-normative individual developmental processes, as well as systemic dynamics of social context surrounding and impacting middle-aged development.

Focuses on the elements of the child's history, status, biological traits, and social circumstances that have the potential of placing the child in a position of risk in early childhood settings during the early childhood period.
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An introduction to the history, processes and functions of the American criminal justice system and its primary components, law enforcement, courts, and corrections.
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An introduction to the history, processes and functions of the American criminal justice system and its primary components, law enforcement, courts, and corrections.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**CJ 1330 3**  
**Criminal Law and Courts**  
1030 - 1120  TR  LH222  Namba, Brian  
20832  
**Full Semester**


**CJ 1330 3**  
**Criminal Law and Courts**  
1730 - 2010  M  D02322  Westmoreland,  
20954  
**Full Semester**


**CJ 1330 3**  
**Criminal Law and Courts**  
TBA  TBA  OL  Senjo, Scott  
20976  
**Full Semester**

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**CJ 1340 3**  
**Criminal Investigation**  
0900 - 1015  TR  LH104  Dereta, Seth  
20835  
**Full Semester**

This is an introduction to Criminal Investigation including the necessary functions of interviewing witnesses and suspects, techniques in the collection and preservation of evidence, crime scene processing including some post-crime scene processing of evidence, follow-up investigation and recent techniques of enhancing the criminal investigation function.

**CJ 1340 3**  
**Criminal Investigation**  
TBA  TBA  OL  Dean, Russell  
20978  
**Full Semester**

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

**CJ 1350 3**  
**Introduction Forensic Science**  
1030 - 1120  MWF  LH102  Dean, Russell  
20823  
**Full Semester**

An introduction to the various types of physical evidence commonly encountered at crime scenes (e.g., fingerprints, hairs, fibers, drugs, glass, etc.), including discussion of comparison and identification techniques (i.e., optical examination/comparison, instrumental analysis, and many chemical processes) used in the analysis of such physical evidence.

**CJ 2300 3**  
**Policing: History/Theory/Pract**  
1330 - 1445  TR  LH212  Lee, Dennis  
20810  
**Full Semester**

This course will provide an overview of the history of policing and the role of police in modern society. Particular emphasis will be placed on problems and issues confronting police and solutions within an organizational framework.

**CJ 2300 3**  
**Policing: History/Theory/Pract**  
1030 - 1120  MWF  LH212  Williams,  
20819  
**Full Semester**

This course will provide an overview of the history of policing and the role of police in modern society. Particular emphasis will be placed on problems and issues confronting police and solutions within an organizational framework.

**CJ 2300 3**  
**Policing: History/Theory/Pract**  
1730 - 2010  M  D02318  Lee, Dennis  
20958  
**Full Semester**

This course will provide an overview of the history of policing and the role of police in modern society. Particular emphasis will be placed on problems and issues confronting police and solutions within an organizational framework.

**CJ 2330 3**  
**Juvenile Justice**  
TBA  TBA  OL  Bayley, Bruce  
20984  
**Full Semester**
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

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<td>CJ 2340</td>
<td>Crime Scene Investigation</td>
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<td>1130 - 1220</td>
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<td>Laws of Evidence</td>
<td>3</td>
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<td>Theories - Crime &amp;</td>
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This course is designed to give students an understanding of the integration of the criminal investigative process with complex scientific application of modern technology in searching for and processing physical evidence in crime scenes. It will provide background into the theory behind Crime Scene Science and the ethical and legal challenges faced by Forensic Scientists and Crime Scene Investigators. Using modern instructional materials, students will learn of the complexity of processing and documentation of Crime Scenes with the ultimate goal of having a successful outcome in the court system.

This course deals with the principles and rules of law emphasizing evidentiary problems related to criminal cases.

Problem solving and the development of community trust are integral to community policing. The philosophy, concepts and methods in support of identifying the issues in a community that relate to crime are outlined and studied. The goal of creating healthy neighborhoods and sustaining the quality of neighborhood life are explained in detail. Crime is pervasive in American society, but victims and criminals have identified characteristics. These characteristics impact certain neighborhoods more than others. These characteristics and issues surrounding them are explored and researched.

An in-depth analysis of critical issues for forensic experts in all fields. Topics such as evidence preservation, report writing, expert testimony and ethics are investigated. The course will focus on theory and practice through lecture, writing and practical exercises.

Study of the nature, extent, causes, and treatment of crime.

This course is designed to review key research areas in the field of victimology. Particular emphasis will be placed on theory, measurement, and empirical results related to different types, consequences, and prevention of victimization.
placed on theory, measurement, and empirical results related to different types, consequences, and prevention of victimization.

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<td>This course addresses photography and imaging issues relevant to the forensic science laboratory including examination quality physical evidence imaging, alternative lighting and exposure techniques, digital camera calibration and maintenance, and courtroom presentation of image evidence.</td>
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<td>Drugs and Crime</td>
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<td>The historic, economic, social and political roles of legal and illegal drugs; their contribution to crime of many kinds, accidents, and impacts on the criminal justice system; production and distribution systems; efforts to combat; decriminalization, prevention and treatment.</td>
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<td>The historic, economic, social and political roles of legal and illegal drugs; their contribution to crime of many kinds, accidents, and impacts on the criminal justice system; production and distribution systems; efforts to combat; decriminalization, prevention and treatment.</td>
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<td>Criminal Justice Statistics</td>
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<td>Full Semester</td>
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<td></td>
<td>An introduction to descriptive and inferential statistics and data analysis for use in criminal justice and the social sciences.</td>
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<td>Women &amp; Criminal Justice</td>
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<td>CJ 3900</td>
<td>Intelligence &amp; Nat'l Security</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1145</td>
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<td>Exploration of the role and structure of intelligence collection and analysis in criminal justice and national security. Course focuses on skill building in the areas of critical thinking, organization and presentation of data, and problem analysis in the scope of intelligence and security driven problems.</td>
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<td>CJ 4000</td>
<td>Critical Legal Studies</td>
<td>3</td>
<td>Full Semester</td>
<td>1630 - 1920</td>
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<td>Critical Legal Studies comprehends the development and application of the criminal law and criminal justice institutions in the United States from a critical perspective. The course begins with a short review of slavery and race, civil rights and civil liberties, and the transformation of legal thought in America. Readings provide a perspective for how the criminal law and justice system are used to bolster the lives of the affluent classes while remaining oblivious or acting as a detriment to the lives of disadvantaged, underrepresented and marginalized members of society. The course concludes with readings that provide an understanding for the meaning of justice, the role of the law in fostering a more just society, and the legal tools available to the advocate of social change to propose changes through legal reform.</td>
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<td>CJ 4065</td>
<td>Law and Society</td>
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<td>Full Semester</td>
<td>1200 - 1315</td>
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|             | This course explores how law operates in society and how society influences the nature of the law. Topics may include the role of race in law, legal consciousness, efficacy of legal action, and the nature of the legal
Students may take either POLS 4065 or CJ 4065, but may not take both courses.

**CJ 4110 4**  
Phys Methods in Forensic Sci  
1030 - 1120 1130 - 1430  
MWF W  
LH107 LH011  
Horn, Brent  
*Full Semester*

Physical methods for evidence analysis including microscopy, pattern based physical evidence (firearms, footwear, etc.) pattern recovery and analysis and statistical foundations for pattern comparison.

**CJ 4116 4**  
Friction Ridge Development  
1030 - 1145 1200 - 1500  
TR T  
LH107 LH011  
Dean, Russell  
*Full Semester*

Basic and applied scientific theory and practice behind the detection, development, recovery and preservation of latent finger and palm prints.

**CJ 4165 3**  
Constitutional Rights  
1030 - 1120  
MWF  
LH124  
Denniston,  
*Full Semester*

This course critically examines Amendments to the United States Constitution related to criminal justice issues including the 4th, 5th, 6th, 8th, and 14th amendments. It examines citizen's rights and criminal justice agent's responsibility and liability in connection with those rights.

**CJ 4165 3**  
Constitutional Rights  
0900 - 1015  
TR  
LH106  
Lynch, David  
*Full Semester*

This course critically examines Amendments to the United States Constitution related to criminal justice issues including the 4th, 5th, 6th, 8th, and 14th amendments. It examines citizen's rights and criminal justice agent's responsibility and liability in connection with those rights.

**CJ 4165 3**  
Constitutional Rights  
1630 - 1920  
W  
SMCPS215  
Kapenda, Jean  
*Full Semester*

This course critically examines Amendments to the United States Constitution related to criminal justice issues including the 4th, 5th, 6th, 8th, and 14th amendments. It examines citizen's rights and criminal justice agent's responsibility and liability in connection with those rights.

**CJ 4167 3**  
State Criminal Justice Rights  
1130 - 1220  
MWF  
LH207  
Denniston,  
*Full Semester*

This course examines state supreme court decisions interpreting state constitutional provisions similar to the provisions in the U.S. Bill of Rights protecting criminal defendants. Emphasis is placed on discussing state constitutional decisions with broader constitutional interpretations than recognized by the U.S. Supreme Court. This course will focus upon state constitutional provisions analogous to the rights in the Fourth, Fifth, Sixth and Eighth Amendments, and the state supreme court decisions interpreting those state constitutional provisions.

**CJ 4200 3**  
Ethical Issues in CJ  
1030 - 1145  
TR  
LH204  
Bayley, Bruce  
*Full Semester*

Critically examines selected criminal justice ethical issues such as capital punishment, official corruption, use of deadly force, discretion and deception by the police.

**CJ 4200 3**  
Ethical Issues in CJ  
1630 - 1920  
T  
SMCPS215  
Chabries,  
*Full Semester*

Critically examines selected criminal justice ethical issues such as capital punishment, official corruption, use of deadly force, discretion and deception by the police.

**CJ 4700 3**  
International Criminal Justice  
TBA  
TBA  
OL  
Lee, Dennis  
*Full Semester*

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<td>Assigned reading or project w ith evaluation by faculty member. Requires approval of the Department Chair.</td>
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<td>Sex, Crime and CJ System</td>
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<td>In-depth study of current theoretical issues in criminal justice. Specific offering will be identified by name and will be listed on student's transcript w ith authorized credit. May be taken multiple times under new topic.</td>
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<td>Addresses the social scientific methodology utilized in criminal justice and criminological research. The essentials of the scientific method will be studied such as research design, probability sampling, qualitative methods and the classic experimental design. The course will familiarize the student with the methods and problems of social science research as applied to the information needs of criminologists, criminal justice agencies, and criminal justice policy-makers. Students will acquire a better sense of criminology or criminal justice research and of exactly what it is that academic researchers do.</td>
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<td>This course introduces students to careers in the construction industry and is designed to help students develop a clear focus on their educational and occupational goals.</td>
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CMT 1220 3 Construction Contracts T D03306 Butler, Russell
Full Semester

This course covers the interpretation of contract documents used in the various construction delivery methods. Includes contracts, bidding documents, bonding and insurance, conditions of the contract, general requirements, and technical specifications.

CMT 1310 4 Materials & Methods TBA TBA OL Wolfe Jr.,
Full Semester

CMT 1330 4 Civil Materials MW D03304 Allen, Drew
Full Semester

This course covers the properties of concrete, asphalt, and soils. Emphasis is placed on quality control and testing of materials.

CMT 1550 2 Construction Safety M D03304
Full Semester

This course covers the Occupational Safety and Health Act (OSHA) and jobsite safety procedures and practices. Emphasis will be placed on ethics as it relates to safety.

CMT 2210 3 Construction Jobsite Mgmt T D03306 Butler, Russell
Full Semester

This course covers the skills necessary to manage construction projects successfully. Emphasis is placed on construction communications and documentation.

CMT 2260 4 MEP TBA TBA OL Peterson,
Full Semester

CMT 2340 4 Civil Design and Layout TR D03304 Peterson,
Full Semester

This course is designed to provide a basic knowledge of road, utility, and site design. Emphasis is placed on determining grades and surveying operations necessary for layout of civil designs, including establishing locations and elevations.

CMT 2360 4 Commercial Design and MW D03306
Full Semester

This course is designed to provide a basic knowledge of processes used to design commercial buildings. Includes the use of building information modeling (BIM) in the design process for preparing drawings and coordinating the design of the different building trades. Emphasis is placed on how zoning regulation, building codes, and sustainability are integrated into the design.

CMT 2410 1 LEED-GA Preparation TBA TBA OL Farner, Jeremy
Full Semester

CMT 2640 2 Quantity Survey M D03302 Wolfe Jr.,
Full Semester

This course covers the processes and methods used to develop a quantity takeoff (list of required materials) for commercial construction projects. Emphasis is placed on using spreadsheets to prepare the quantity takeoff.

CMT 2990 0.5 Construction Management R D03233 Farner, Jeremy
Full Semester
This course is designed to give students the opportunity to interact with professionals from the architecture, engineering, and construction industries and to learn of emerging trends within these industries.

**Course Details**

**CMT 3115  3**  
Construction Cost Estimating  
1930 - 2045  
T  
D03307  
Peterson,  
Full Semester

This course covers the processes and methods for preparing estimates and bids for construction projects. Emphasis is placed on the use of computers in preparing estimates. Ethics as it relates to bidding will be discussed.

**CMT 3130  3**  
Construction  
1730 - 1920  
MW  
D03307  
Wolfe Jr.,  
Full Semester

This course covers the processes and methods of planning and scheduling of construction projects. Emphasis is placed on the use of computers in the planning and scheduling process.

**CMT 3310  2**  
Leadership Construction  
1730 - 1920  
T  
D03309  
Brower,  
Full Semester

This course explores leadership as applied to the construction industry. Emphasis is placed on the importance of professional relationships.

**CMT 3370  3**  
Preconstruction Services  
1930 - 2120  
MW  
D03306  
Butler, Russell  
Full Semester

This course covers services provided by contractors during the design of projects constructed using alternative delivery methods (e.g., design-build, CM/CG). Emphasis is placed on reducing construction risks during the design process.

**CMT 3510  4**  
Energy Mgmt in Bldg M&E  
1730 - 1920  
T  
D03340  
vander Have,  
Full Semester

This course covers mechanical and electrical system design, operation and maintenance principles. Includes review of types of systems and equipment, and applications for each. Covers estimating, monitoring and managing the use of energy.

**CMT 3630  3**  
Environmental Issues in FM  
1930 - 2045  
T  
D03340  
Code, Shawna  
Full Semester

**CMT 3680  4**  
FM Operations  
1730 - 1920  
R  
D03340  
vander Have,  
Full Semester

This course covers operational principles and leadership skills required of a successful senior-level facility management professional.

**CMT 4120  3**  
Construction  
1930 - 2045  
TR  
D03304  
Wolfe Jr.,  
Full Semester

This course covers the fundamental principles of construction finance, accounting, and cost control.

**CMT 4330  4**  
Applied Structures  
1730 - 1920  
TR  
D03302  
Willard, Tim  
Full Semester

This course covers the processes and methods used to analyze the behavior of engineered structures. Includes the application of the properties of materials and mechanics as they relate to the structural behavior of load resisting components.

**CMT 4510  1**  
Design Charrette  
TBA  
TBA  
OL  
Farner, Jeremy  
Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal. As part of course requirements, you will participate in the Interdisciplinary Charrette Sept. 12-14, 2019. Please clear your schedule to be available the entire 48 hour period.
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**COMM 1020**

**HU Princip Of Public Speaking**

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**COMM 1130**

**Media Writing**

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Beginning instruction in information-gathering techniques and media writing styles that inform, entertain and/or persuade. Approach recognizes that new technology is blurring the distinctions among various media and that writers must have a broad base of knowledge and skills.

**COMM 1130**

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**COMM 1130**

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<td>TR</td>
<td>0900 - 1015</td>
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<td>This course is designed to teach communication appropriate to the workplace with an emphasis on written forms. It covers content, organization, tone, grammar and formatting across multiple contexts: presentations, professional biographies, email, executive summary, letters of commendation and complaint, press releases and business and training proposals. It uses verbal communication such as interviewing in addition to primary and secondary research to provide substance in professional communication.</td>
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<td>COMM 1500</td>
<td>Intro to Mass Communication</td>
<td>MWF</td>
<td>0830 - 0920</td>
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<td>EH306</td>
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<td>Examines mass media development and impact upon society. Considers newspapers, magazines, film, radio, TV and multimedia. The role of media in providing information, opinion, entertainment and advertising support are considered along with the social political-economic controls which affect the media. (Also available via correspondence.)</td>
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<td>To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas</td>
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<td>COMM 1560</td>
<td>Audio Production &amp;</td>
<td>MWF</td>
<td>1030 - 1120</td>
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<td>An introductory course in audio production and performance. Training in audio console operation, use of recorders and microphones, and audio editing. Class includes basic announcing and formatting for radio stations. Course emphasizes hands-on projects.</td>
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<td>COMM 1560</td>
<td>Audio Production &amp;</td>
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<tr>
<td>COMM 2010</td>
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<td>Media literacy course which examines the non-legal, but ethical and social problems of mass media. Discusses current media issues and explores constructive steps to improve media relationships. (Also available via correspondence.)</td>
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<td>Explores the dynamics of verbal and nonverbal communication in personal relationships and small groups. The emphasis is on practical application of course content to enhance interpersonal relationships and to achieve competence as group members.</td>
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</table>
COMM 2110 3  HU CEL Intrprsnl/Sm Group  TBA  TBA  OL  Van Gilder,
21543  Full Semester
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

COMM 2110 3  HU CEL Intrprsnl/Sm Group  0900 - 1015  TR  D02103  Frandsen,
21562  Full Semester
Explores the dynamics of verbal and nonverbal communication in personal relationships and small groups. The emphasis is on practical application of course content to enhance interpersonal relationships and to achieve competence as group members.

COMM 2110 3  HU CEL Intrprsnl/Sm Group  TBA  TBA  OL  Van Gilder,
24599  Full Semester
To access online course materials, please log into your eWeber portal and click on WSU Online - Canvas.

COMM 2200 3  Multi-Camera Prod & Perform  0830 - 0920  MWF  LI076
21298  Full Semester
An introductory course in all aspects of in-studio video production. Skills include performing for video as well as the use of cameras, switching, lighting, electronic graphics and audio equipment. In-class projects emphasize directing, writing and performing for video. Four classroom hours per week.

COMM 2200 3  Multi-Camera Prod & Perform  0900 - 1015  TR  LI076  Mcallister,
21337  Full Semester
An introductory course in all aspects of in-studio video production. Skills include performing for video as well as the use of cameras, switching, lighting, electronic graphics and audio equipment. In-class projects emphasize directing, writing and performing for video. Four classroom hours per week.

COMM 2210 1  Intercollegiate Debate  1500 - 1615  TR  EH111  Wash, Ryan
21316  Full Semester
Preparation and competition on the national debate resolutions and participation in individual events. Course may be repeated for credit four times.

COMM 2250 3  Essentials of Digital Media  1730 - 2010  T  EH314
21330  Full Semester
This course introduces the basic digital communication skills necessary to be successful in today's multimedia environment. Students will learn how to produce and edit audio, stills, and video. Students will also learn to upload content for presentation on the Web and will learn to use social media to disseminate information relative to your content. Concepts will first be discussed in two lecture periods, and then put into practice in a lab.

COMM 2250 3  Essentials of Digital Media  1030 - 1145  TR  EH410
21336  Full Semester
This course introduces the basic digital communication skills necessary to be successful in today's multimedia environment. Students will learn how to produce and edit audio, stills, and video. Students will also learn to upload content for presentation on the Web and will learn to use social media to disseminate information relative to your content. Concepts will first be discussed in two lecture periods, and then put into practice in a lab.

COMM 2250 3  Essentials of Digital Media  1230 - 1345  MW  EH410  Mcallister,
21513  Full Semester
This course introduces the basic digital communication skills necessary to be successful in today's multimedia environment. Students will learn how to produce and edit audio, stills, and video. Students will also learn to upload content for presentation on the Web and will learn to use social media to disseminate information relative to your content. Concepts will first be discussed in two lecture periods, and then put into practice in a lab.
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<td>COMM 2270</td>
<td>Argumentation &amp; Debate</td>
<td>3</td>
<td>1200 - 1315 TR EH305</td>
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<td>21315</td>
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<td>An examination of the theory and practice of argumentation with emphasis on parliamentary and policy debate formats. Emphasis also placed on making claims and inferences, research and the use of evidence, cross-examination, case construction, rebuttals and style of presentation.</td>
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<td>COMM 2550</td>
<td>Comm in Professional</td>
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<td>COMM 2730</td>
<td>Digital Radio</td>
<td>1</td>
<td>1400 - 1450 M SU235</td>
<td>Haislett, Robin</td>
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<td>Students meet once a week and work as contributors to the Weber State student radio station, KWCR. Work may include such things as station management, announcing, production, news, sales or engineering. At least one shift of 4 hours per week is required. Specific hours to be arranged. May be repeated for a maximum of 4 credit hours.</td>
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<td>COMM 2890</td>
<td>Cooperative Work Exp.</td>
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<td>Newspaper lab experience at The Signpost for those who want the experience of gathering and producing news. Students will learn facets of producing a print and/or on-line publication and promoting the content on social media. Skills include news reporting and writing, advertising, design and photography. 3 credits requires instructor approval. The 3-credit option will be used for those seeking an Associate in Workplace Communication.</td>
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<td>COMM 2890</td>
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<td>1400 - 1450 MWF SU401</td>
<td>Norman, Jean</td>
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<td>Newspaper lab experience at The Signpost for those who want the experience of gathering and producing news. Students will learn facets of producing a print and/or on-line publication and promoting the content on social media. Skills include news reporting and writing, advertising, design and photography. 3 credits requires instructor approval. The 3-credit option will be used for those seeking an Associate in Workplace Communication.</td>
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<td>This course is intended to provide students with an overview of communication theory. It will give students a working knowledge of theories used to explain a wide range of communication phenomena, enabling them to build upon selected theories in other upper-division courses in their chosen communication major concentration.</td>
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<td>COMM 3060</td>
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<td>Study of listening theory and literature in various contexts including public, interpersonal and intercultural settings. Student exploration and application of listening theories.</td>
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<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Explores theoretical perspectives in intercultural communication. Through analysis of various intercultural theories, students will become aware of cultural influences on communication in both international and domestic cultures.</td>
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</tr>
<tr>
<td>COMM 3120</td>
<td>Advanced Public Speaking</td>
<td>3</td>
<td>1730 - 2010</td>
<td>W</td>
</tr>
<tr>
<td>21282</td>
<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Enhanced speaking skills across a range of situations such as the professional workplace and via social media. Increase understanding of audience, publics, and the overall definition of &quot;speaking&quot; as a result of our ever-changing society.</td>
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<tr>
<td>COMM 3130</td>
<td>News Reporting &amp; Writing</td>
<td>3</td>
<td>1730 - 2010</td>
<td>M</td>
</tr>
<tr>
<td>21332</td>
<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Develops journalism skills relevant to newspapers and online news services. Emphasizes news gathering, interviewing and news writing.</td>
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<tr>
<td>COMM 3150</td>
<td>Communication Research</td>
<td>3</td>
<td>1130 - 1220</td>
<td>MWF</td>
</tr>
<tr>
<td>21285</td>
<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Explores methods of gathering, analyzing and interpreting data. Topics include: asking questions, observing and measuring communication variables; designing valid and reliable research; research ethics, experimental design and survey research. Emphasis is also placed on how to present research and how to read scholarly journal articles.</td>
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<tr>
<td>COMM 3150</td>
<td>Communication Research</td>
<td>3</td>
<td>1730 - 2010</td>
<td>M</td>
</tr>
<tr>
<td>21287</td>
<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Explores methods of gathering, analyzing and interpreting data. Topics include: asking questions, observing and measuring communication variables; designing valid and reliable research; research ethics, experimental design and survey research. Emphasis is also placed on how to present research and how to read scholarly journal articles.</td>
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<tr>
<td>COMM 3150</td>
<td>Communication Research</td>
<td>3</td>
<td>0900 - 1015</td>
<td>TR</td>
</tr>
<tr>
<td>21335</td>
<td><strong>Full Semester</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Explores methods of gathering, analyzing and interpreting data. Topics include: asking questions, observing and measuring communication variables; designing valid and reliable research; research ethics, experimental design and survey research. Emphasis is also placed on how to present research and how to read scholarly journal articles.</td>
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<td></td>
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</tr>
<tr>
<td>COMM 3200</td>
<td>Live Event Production</td>
<td>1</td>
<td>1200 - 1315</td>
<td>TR</td>
</tr>
<tr>
<td>21340</td>
<td><strong>Full Semester</strong></td>
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<tr>
<td></td>
<td>Students will learn to operate field video cameras, switchers, instant-replay and other equipment while experiencing the pressures of live-sports production. Students will be part of a crew supplying the visuals for Weber State's football and basketball scoreboards. The crew will also provide visuals necessary to fulfill production commitments. (A maximum of 6 credit hours total may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
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</tr>
<tr>
<td>COMM 3200</td>
<td>Live Event Production</td>
<td>2</td>
<td>1200 - 1315</td>
<td>TR</td>
</tr>
<tr>
<td>21341</td>
<td><strong>Full Semester</strong></td>
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</tbody>
</table>
|             | Students will learn to operate field video cameras, switchers, instant-replay and other equipment while experiencing the pressures of live-sports production. Students will be part of a crew supplying the visuals for
Weber State's football and basketball scoreboards. The crew will also provide visuals necessary to fulfill production commitments. (A maximum of 6 credit hours total may be counted for the major, however, 6 additional credit hours may be used as elective credit.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3200</td>
<td>Live Event Production</td>
<td>3</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>LP202A</td>
</tr>
<tr>
<td>21342</td>
<td>Full Semester</td>
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</table>

Students will learn to operate field video cameras, switchers, instant-replay and other equipment while experiencing the pressures of live-sports production. Students will be part of a crew supplying the visuals for Weber State's football and basketball scoreboards. The crew will also provide visuals necessary to fulfill production commitments. (A maximum of 6 credit hours total may be counted for the major, however, 6 additional credit hours may be used as elective credit.)

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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3350</td>
<td>Visual Communication</td>
<td>3</td>
<td>1730 - 2010</td>
<td>M</td>
<td>LI109</td>
</tr>
<tr>
<td>21329</td>
<td>Full Semester</td>
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</tr>
</tbody>
</table>

Visual messages have great power to inform, educate and persuade. In all fields of communication, visual presentation of the message helps determine the success of the message. This course is designed to help students become effective and ethical visual communicators on the page or the screen. In addition to creating design projects, students will learn how to critically analyze visual designs and to understand major visual communication theories.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3350</td>
<td>Visual Communication</td>
<td>3</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>EH314</td>
</tr>
<tr>
<td>21329</td>
<td>Full Semester</td>
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</tbody>
</table>

Visual messages have great power to inform, educate and persuade. In all fields of communication, visual presentation of the message helps determine the success of the message. This course is designed to help students become effective and ethical visual communicators on the page or the screen. In addition to creating design projects, students will learn how to critically analyze visual designs and to understand major visual communication theories.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3400</td>
<td>Intro to Public Relations</td>
<td>3</td>
<td>0830 - 0920</td>
<td>MWF</td>
<td>EH307</td>
</tr>
<tr>
<td>21277</td>
<td>Full Semester</td>
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</tbody>
</table>

Philosophy and practice of public relations in business, government, education and non profit organizations. Case studies will be selected from a wide range of actual public relations concerns to foster decision-making skills and a mature understanding of public relations management.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3400</td>
<td>Intro to Public Relations</td>
<td>3</td>
<td>1730 - 2010</td>
<td>T</td>
<td>EH306</td>
</tr>
<tr>
<td>21323</td>
<td>Full Semester</td>
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</tbody>
</table>

Philosophy and practice of public relations in business, government, education and non profit organizations. Case studies will be selected from a wide range of actual public relations concerns to foster decision-making skills and a mature understanding of public relations management.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3440</td>
<td>Public Relations Writing</td>
<td>3</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>EH410</td>
</tr>
<tr>
<td>21295</td>
<td>Full Semester</td>
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</tbody>
</table>

Explores principles and practices of a variety of public relations writing formats ranging from news releases to websites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3460</td>
<td>Public Relations/Social Media</td>
<td>3</td>
<td>0930 - 1020</td>
<td>MWF</td>
<td>EH306</td>
</tr>
<tr>
<td>21274</td>
<td>Full Semester</td>
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</tbody>
</table>

This course will combine theory and practice in teaching the principles of the new “Social Media” or “PR 2.0.” Students will learn how new web technologies have expanded the practice of Public Relations beyond the traditional arena and into the fast-moving and dynamic world of public communication on the web. They will learn how to communicate with the news media and directly with the public. The course will prepare them to use the newest technology and practices effectively as they represent their companies and their clients.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3550</td>
<td>Organizational</td>
<td>3</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>EH306</td>
</tr>
<tr>
<td>21275</td>
<td>Full Semester</td>
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</tbody>
</table>

Study of communication in organizations from various theoretical perspectives with an emphasis on the organizational culture perspective. Includes topics such as communicating with external audiences, decision-making, conflict resolution, and power relationships.
<table>
<thead>
<tr>
<th>Course No.</th>
<th>Units</th>
<th>Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3550</td>
<td>3</td>
<td>Organizational</td>
<td>1730 - 2010</td>
<td>R</td>
<td>EH307</td>
<td>Gillen Hoke,</td>
<td></td>
</tr>
<tr>
<td>24289</td>
<td></td>
<td>Full Semester</td>
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</tr>
<tr>
<td>COMM 3650</td>
<td>3</td>
<td>Communication Law</td>
<td>1730 - 2010</td>
<td>W</td>
<td>EH305</td>
<td>Cheek, Ryan</td>
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</tr>
<tr>
<td>21276</td>
<td></td>
<td>First Amendment origins, interpretations and philosophy underlying regulation of the mass media.</td>
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</tr>
<tr>
<td>COMM 3650</td>
<td>3</td>
<td>Communication Law</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>EH306</td>
<td>Josephson,</td>
<td></td>
</tr>
<tr>
<td>21320</td>
<td></td>
<td>First Amendment origins, interpretations and philosophy underlying regulation of the mass media.</td>
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</tr>
<tr>
<td>COMM 3740</td>
<td>3</td>
<td>Writing for Screen &amp; Television</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>EH323</td>
<td>Baltazar,</td>
<td></td>
</tr>
<tr>
<td>21333</td>
<td></td>
<td>Specialized concepts and techniques required to write effectively for film, television, and other new media technologies.</td>
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<tr>
<td>COMM 3751</td>
<td>3</td>
<td>Narrative Digital Filmmaking</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>L076</td>
<td>Baltazar,</td>
<td></td>
</tr>
<tr>
<td>21338</td>
<td></td>
<td>On-location video production and performance. Skills include screenwriting, directing, producing, use of field cameras and post-production.</td>
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<tr>
<td>COMM 3780</td>
<td>3</td>
<td>Broadcast News Writing &amp; Broadcast News Writing &amp;</td>
<td>1730 - 2010</td>
<td>M</td>
<td>EH323</td>
<td>Hess, Allison</td>
<td></td>
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<tr>
<td>24358</td>
<td></td>
<td>Full Semester</td>
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<tr>
<td>COMM 3820</td>
<td>3</td>
<td>Persuasive Communication</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>EH307</td>
<td>Lancaster,</td>
<td></td>
</tr>
<tr>
<td>21325</td>
<td></td>
<td>Study of theories and principles of persuasion from classical to modern times. Examines persuasion as a means of influence in interpersonal communication, public speaking, public relations, advertising, politics, and other contexts.</td>
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<tr>
<td>COMM 3850</td>
<td>3</td>
<td>Advertising</td>
<td>0930 - 1020</td>
<td>MWF</td>
<td>EH307</td>
<td>Howerton,</td>
<td></td>
</tr>
<tr>
<td>21278</td>
<td></td>
<td>A practical and theoretical study of advertising. Course is designed for students planning careers in advertising, as well as for those who are simply lifelong consumers of advertising and who want to understand its role in the economic system.</td>
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<tr>
<td>COMM 3850</td>
<td>3</td>
<td>Advertising</td>
<td>1730 - 2010</td>
<td>R</td>
<td>EH306</td>
<td>Howerton,</td>
<td></td>
</tr>
<tr>
<td>21324</td>
<td></td>
<td>A practical and theoretical study of advertising. Course is designed for students planning careers in advertising, as well as for those who are simply lifelong consumers of advertising and who want to understand its role in the economic system.</td>
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<tr>
<td>COMM 3890</td>
<td>1</td>
<td>Adv Coop Work Exp/Signpost</td>
<td>1400 - 1450</td>
<td>MWF</td>
<td>SU401</td>
<td>Norman, Jean</td>
<td></td>
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<tr>
<td>21312</td>
<td></td>
<td>Full Semester</td>
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<tr>
<td>COMM 3890</td>
<td>2</td>
<td>Adv Coop Work Exp/Signpost</td>
<td>1400 - 1450</td>
<td>MWF</td>
<td>SU401</td>
<td>Norman, Jean</td>
<td></td>
</tr>
<tr>
<td>21313</td>
<td></td>
<td>Full Semester</td>
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</tr>
</tbody>
</table>

Open to students who are Signpost editors and managers. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3890  3</td>
<td>Adv Coop Work Exp/Signpost</td>
<td>3</td>
<td>1400 - 1450</td>
<td>MWF</td>
<td>SU401</td>
<td>Norman, Jean</td>
</tr>
<tr>
<td>21314</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>Open to students who are Signpost editors and managers. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
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<tr>
<td>COMM 3891  1</td>
<td>Adv Coop Work Exp w ith</td>
<td>1</td>
<td>1400 - 1450</td>
<td>M</td>
<td>SU235</td>
<td>Haislett, Robin</td>
</tr>
<tr>
<td>21303</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>Open to students who are KWCR senior staff. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
<td></td>
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<tr>
<td>COMM 3891  2</td>
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<td>2</td>
<td>1400 - 1450</td>
<td>M</td>
<td>SU235</td>
<td>Haislett, Robin</td>
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<td>21304</td>
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<td>Open to students who are KWCR senior staff. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
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<tr>
<td>COMM 3891  3</td>
<td>Adv Coop Work Exp w ith</td>
<td>3</td>
<td>1400 - 1450</td>
<td>M</td>
<td>SU235</td>
<td>Haislett, Robin</td>
</tr>
<tr>
<td>21305</td>
<td>Full Semester</td>
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<td></td>
<td>Open to students who are KWCR senior staff. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
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<tr>
<td>COMM 3892  1</td>
<td>CEL Adv Coop Work Exp</td>
<td>1</td>
<td>1230 - 1345</td>
<td>MW</td>
<td>EH406</td>
<td>Corbin, Nicola</td>
</tr>
<tr>
<td>21290</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>Advanced Cooperative Work Experience w ith Public Relations</td>
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<tr>
<td>COMM 3892  2</td>
<td>CEL Adv Coop Work Exp w /</td>
<td>2</td>
<td>1230 - 1345</td>
<td>MW</td>
<td>EH406</td>
<td>Corbin, Nicola</td>
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<td>21291</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>Advanced Cooperative Work Experience w ith Public Relations</td>
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<td>3</td>
<td>1230 - 1345</td>
<td>MW</td>
<td>EH406</td>
<td>Corbin, Nicola</td>
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<tr>
<td></td>
<td>Advanced Cooperative Work Experience w ith Public Relations</td>
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<td>COMM 3893  1</td>
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<td>1600 - 1715</td>
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<td>LI076</td>
<td>Baltazar,</td>
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<tr>
<td>21299</td>
<td>Full Semester</td>
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<td></td>
<td>Open to students who are members of Weber State News’ crew or staff and/or crew members of other student produced television programs. (A maximum of 6 credit hours total from COMM 3890, COMM 3891, COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.)</td>
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<tr>
<td>COMM 3893  2</td>
<td>Adv Coop Work Exp/Studio</td>
<td>2</td>
<td>1600 - 1715</td>
<td>M</td>
<td>LI076</td>
<td>Baltazar,</td>
</tr>
<tr>
<td>21300</td>
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</table>
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COMM 3892 and COMM 3893 may be counted for the major, however, 6 additional credit hours may be used as elective credit.

**COMM 4150** 3  
**Rhetorical Theory & Criticism** 1230 - 1345  
**Full Semester**  
*EH307*  
Bialow as,  
Studies the origins of rhetorical theory in Greece and Rome in the works of Corax, Isocrates, Plato, Protagoras, Aristotle, Cicero and Quintilian. Tensions between rhetoric and philosophy. Study and application of neo-classical standards of rhetorical criticism.

**COMM 4210** 1  
**Intercollegiate Debate** 1500 - 1615  
**Full Semester**  
*EH111*  
Wash, Ryan  
Preparation and competition on the national debate resolutions and participation in individual events. Course may be repeated for credit four times.

**COMM 4400** 3  
**Public Relations** 1130 - 1220  
**Full Semester**  
*EH406*  
Rodriguez,  
Apply communication principles to internal and external publics; research, plan and evaluate social interrelationships; study of the controlled and uncontrolled media and their role in public relations; prepare a major public relations campaign for a selected client.

**COMM 4750** 3  
**Adv Cinematography &** 1400 - 1515  
**Full Semester**  
*EH406*  
Capstone course for audio and video production. Emphasis is placed on combining production types to produce longer and more complex programs.

**COMM 4800** 1  
**Spec Study/Indiv Projects** TBA  
**Full Semester**  
Hafen, Susan  
Work with an assigned faculty member on a project of special interest. May be repeated for a maximum of 6 credit hours. A maximum of 3 credit hours may be counted for the major.

**COMM 4800** 2  
**Spec Study/Indiv Projects** TBA  
**Full Semester**  
Hafen, Susan  
Work with an assigned faculty member on a project of special interest. May be repeated for a maximum of 6 credit hours. A maximum of 3 credit hours may be counted for the major.

**COMM 4800** 3  
**Spec Study/Indiv Projects** TBA  
**Full Semester**  
Hafen, Susan  
Work with an assigned faculty member on a project of special interest. May be repeated for a maximum of 6 credit hours. A maximum of 3 credit hours may be counted for the major.

**COMM 4850** 3  
**Teach/Directing Speech** 1730 - 2010  
**Block 2**  
*EH306*  
Packer, Colleen  
This course is designed to teach leadership and management skills to students who have taken on leadership roles within the Communication Department co-curriculars: WSU Debate, The Signpost, KWCR, Studio 76 and Ogden Peak Communications. With instructor permission, student leaders take this class in lieu of the co-curricular course during the semester of enrollment and are expected to fulfill their co-curricular responsibilities as well as participate in monthly leadership seminars and one-on-one mentoring sessions with their advisers.

**COMM 4860** 1  
**Comm Co-curricular** 1300 - 1415  
**Full Semester**  
*SU401*  
Norman, Jean  
This course is designed to teach leadership and management skills to students who have taken on leadership roles within the Communication Department co-curriculars: WSU Debate, The Signpost, KWCR, Studio 76 and Ogden Peak Communications.
Ogden Peak Communications. With instructor permission, student leaders take this class in lieu of the co-curricular course during the semester of enrollment and are expected to fulfill their co-curricular responsibilities as well as participate in monthly leadership seminars and one-on-one mentoring sessions with their advisers.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Course Title</th>
<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
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<td>Comm Co-curricular</td>
<td>1300 - 1415 M SU401</td>
<td>Norman, Jean</td>
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<tr>
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</table>

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<th>Location</th>
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<tr>
<td>COMM 4890</td>
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</table>

An opportunity for students to receive academic credit for faculty approved on-the-job learning experiences within certain communication areas of emphasis. May be repeated for a maximum of 6 credit hours. A maximum of 3 credit hours may be counted for the major. C/NC only.

<table>
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<tr>
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<tr>
<td>COMM 4890</td>
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An opportunity for students to receive academic credit for faculty approved on-the-job learning experiences within certain communication areas of emphasis. May be repeated for a maximum of 6 credit hours. A maximum of 3 credit hours may be counted for the major. C/NC only.

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<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>COMM 4990</td>
<td>3</td>
<td>CEL Senior Seminar</td>
<td>1030 - 1120 MWF EH323</td>
<td>Packer, Colleen</td>
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</tbody>
</table>

A capstone course that prepares students to do a senior project and a portfolio to be used in job interviews or application to graduate school.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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<td>Senior Seminar</td>
<td>1730 - 2010 T EH305</td>
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<th>Schedule</th>
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<tbody>
<tr>
<td>CS 1010</td>
<td>3</td>
<td>CA Intro to Interact Entertain</td>
<td>TBA TBA OL OL</td>
<td>Squadroni,</td>
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<tr>
<td>23704</td>
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To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

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<tr>
<td>CS 1010</td>
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<td>CA Intro to Interact Entertain</td>
<td>TBA TBA OL OL</td>
<td>Rogers, Jacob</td>
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<tr>
<td>23706</td>
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<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>CS 1030</td>
<td>4</td>
<td>Foundations of Computing</td>
<td>0930 - 1120 T D02226</td>
<td>Murphy, Kim</td>
<td></td>
</tr>
<tr>
<td>20697</td>
<td></td>
<td>Full Semester</td>
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</table>
This course follows the core body of knowledge specified by the ACM which provides students with a broad overview of topics they might encounter within the major areas of computing. The course is taught at an introductory level and includes topics such as: history of computers, computer architecture, operating systems, web design and development, programming, database, software engineering, networking, and more. Cross-listed with NET1030 and WEB1030.

CS 1030 4 Foundations of Computing 0730 - 0920 MW TE202S Hadzik, Scott
20743 Full Semester

CS 1030 4 Foundations of Computing 1930 - 2120 TR D02226 Wright.
20923 Full Semester

21132 Full Semester

CS 1030 4 Foundations of Computing TBA TBA OL Murphy, Kim
23708 Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

CS 1030 4 Foundations of Computing TBA TBA OL Jensen.
23709 Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

CS 1030 4 Foundations of Computing TBA TBA OL Jensen.
23710 Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

CS 1400 4 Programming T: 0730 - 0920 TR TE202S Al-Gahmi,
20636 Full Semester

This course covers basic operating system navigation and components of the program development process. The majority of the course covers basic problem solving and program design of a software application using a selected language. Topics presented and discussed depending on selected language include: thinking logically to solve problems, working with input/output devices, compilation and library use, structured programming and modularity concepts, conditional and iterative structures including recursion, object oriented design, data types and structures, and pointers. Co-requisite: CS 1030.
This course covers basic operating system navigation and components of the program development process. The majority of the course covers basic problem solving and program design of a software application using a selected language. Topics presented and discussed depending on selected language include: thinking logically to solve problems, working with input/output devices, compilation and library use, structured programming and modularity concepts, conditional and iterative structures including recursion, object oriented design, data types and structures, and pointers. Co-requisite: CS 1030.
An introduction to the C++ language. Topics will include data types, control structures, functions, pointers, arrays, IO streams, classes, objects, encapsulation, overloading, inheritance and use of these concepts in problem solving.

CS 1410 4 Object-Oriented Programming  TBA  TBA  OL  Brinkerhoff, Full Semester
23716
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 1410 4 Object-Oriented Programming  TBA  TBA  OL  Valle, Hugo Full Semester
23717
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 2130 4 Computational Structures  0930 - 1120  MW  TE103D  Huson, Mark Full Semester
20655
An overview of the fundamentals of algorithmic, discrete mathematics applied to computation using a contemporary programming language. Topics include sets, functions, logic, matrices, relations, graphs, trees, regular expressions, grammars, finite state machines, and data encoding.

CS 2130 4 Computational Structures  1730 - 1920  MW  D02312  Peterson, Full Semester
21140
An overview of the fundamentals of algorithmic, discrete mathematics applied to computation using a contemporary programming language. Topics include sets, functions, logic, matrices, relations, graphs, trees, regular expressions, grammars, finite state machines, and data encoding.

CS 2130 4 Computational Structures  TBA  TBA  OL  Sunderland, Full Semester
23718
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 2350 4 Client Side Web Development  1130 - 1320  TR  TE103D  Fry, Richard Full Semester
20643
This course provides an introduction to client-side programming and Web page development. Subjects covered include responsive Web page design and dynamic Web page development. The course will explore various technologies such as HTML5, CSS3, JavaScript client-side programming, and an introduction to a JavaScript framework.

CS 2350 4 Client Side Web Development  1930 - 2120  TR  D02223  Grayston, Full Semester
21519
This course provides an introduction to client-side programming and Web page development. Subjects covered include responsive Web page design and dynamic Web page development. The course will explore various technologies such as HTML5, CSS3, JavaScript client-side programming, and an introduction to a JavaScript framework.

CS 2350 4 Client Side Web Development  TBA  TBA  OL  DuHadway, Full Semester
23719
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 2350 4 Client Side Web Development  TBA  TBA  OL  Fry, Richard Full Semester
24341

CS 2420 4 Data Structures & Algorithms  0930 - 1120  R  TE103C  Feuz, Kyle Full Semester
20645
General principles of common data structures and design of efficient algorithms. Topics include: arrays, linked-lists, stacks, queues, trees, graphs, tables, storage and retrieval structures, searching, sorting, hashing, and algorithmic analysis. Emphasis will be on abstraction, efficiency, re-usable code, and object-oriented implementation.

CS 2420 4 Data Structures & Algorithms 1730 - 1920 TR D02312 Peterson, Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 2420 4 Data Structures & Algorithms TBA TBA OL Peterson, Full Semester

CS 2450 4 Software Engineering I 1130 - 1320 TR TE109C DuHadway, Full Semester

An Object Oriented Analysis and Design course which provides practical guidance on the construction of object-oriented systems. Its specific goals are to provide a sound understanding of the fundamental concepts of the Softw are Development Life-Cycle, to teach quality design and development style through applications of object-oriented project development within a variety of problem domains, and provide coverage of current Softw are Engineering models and diagramming techniques.

CS 2450 4 Software Engineering I 1930 - 2120 MW D02225 Chino, Gabriel Full Semester

CS 2450 4 Software Engineering I TBA TBA OL Sunderland, Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

CS 2550 4 Intro to Database Design & 0930 - 1120 MW TE109C Full Semester

This course is an introduction to databases, specifically focusing on the relational database model, database design and modeling and the structured query language (SQL). Students will become proficient at formulating data query requests using SQL and will also gain experience in database normalization and entity-relationship modeling.

CS 2550 4 Intro to Database Design & 1930 - 2120 MW D02314 Mattson, Boyd Full Semester

CS 2550 4 Intro to Database Design & 1130 - 1320 MW TE103D Full Semester

CS 2550 4 Intro to Database Design & TBA TBA OL Hilton, Robert Full Semester
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

CS 2705  4  Network  1730 - 1920  R  D02225  Hepler, AJ  
20761  Full Semester

Provide an understanding of the basic networking terminology. This will cover the theory of networking, types of network protocols, and wide and local area networks. The student should have a good understanding of network terminology at the completion of the course.

CS 2705  4  Network  TBA  TBA  OL  Hepler, AJ  
23725  Full Semester

CS 2705  4  Network  TBA  TBA  OL  Paulson, Matt  
23726  Full Semester

CS 2810  4  Computer Arch/Organization  1130 - 1320  MW  TE104  Huson, Mark  
20657  Full Semester

Computers are essential to modern life, yet most people use them with no understanding of how they accomplish everything they do. This course will explore how computers function from a technical perspective, allowing students to see why they work and are designed the way they are. The course will focus on Von Neumann computers, covering a variety of topics including logic gates, basic digital circuit concepts, number and data representation, the processor implementation, BIOS, buses, interrupts, addressing, memory management, and storage. The practical implementation of this knowledge will be examined by introducing assembly language code.

CS 2810  4  Computer Arch/Organization  0730 - 0920  TR  TE103C  Jensen,  
20661  Full Semester

Computers are essential to modern life, yet most people use them with no understanding of how they accomplish everything they do. This course will explore how computers function from a technical perspective, allowing students to see why they work and are designed the way they are. The course will focus on Von Neumann computers, covering a variety of topics including logic gates, basic digital circuit concepts, number and data representation, the processor implementation, BIOS, buses, interrupts, addressing, memory management, and storage. The practical implementation of this knowledge will be examined by introducing assembly language code.

CS 2810  4  Computer Arch/Organization  1730 - 1920  MW  D02226  Huson, Mark  
21138  Full Semester

Computers are essential to modern life, yet most people use them with no understanding of how they accomplish everything they do. This course will explore how computers function from a technical perspective, allowing students to see why they work and are designed the way they are. The course will focus on Von Neumann computers, covering a variety of topics including logic gates, basic digital circuit concepts, number and data representation, the processor implementation, BIOS, buses, interrupts, addressing, memory management, and storage. The practical implementation of this knowledge will be examined by introducing assembly language code.

CS 2810  4  Computer Arch/Organization  TBA  TBA  OL  Valle, Hugo  
23729  Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

CS 2899  0  Associate Degree  TBA  TBA  DuHadway,  
24291  Full Semester
<table>
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<th>Instructor</th>
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<tbody>
<tr>
<td>20745</td>
<td>Adv Computational Analysis</td>
<td>4</td>
<td>Full Semester</td>
<td>0730 - 0920</td>
<td>TR</td>
<td>TE104</td>
<td>Petersen,</td>
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<td>21133</td>
<td>Scripting Languages</td>
<td>4</td>
<td>Full Semester</td>
<td>1730 - 1920</td>
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<tr>
<td>23731</td>
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<td>20639</td>
<td>Operating Systems</td>
<td>4</td>
<td>Full Semester</td>
<td>0730 - 0920</td>
<td>MW</td>
<td>TE103D</td>
<td>Ball, Robert</td>
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<tr>
<td>20684</td>
<td>Operating Systems</td>
<td>4</td>
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<td>1730 - 1920</td>
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<td>1130 - 1320</td>
<td>MW</td>
<td>TE103C</td>
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<tr>
<td>23733</td>
<td>Obj Orient User Interface</td>
<td>4</td>
<td>Full Semester</td>
<td>TBA TBA OL</td>
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<td></td>
<td>Brinkerhoff,</td>
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<td>24293</td>
<td>Mobile Develop for Android</td>
<td>4</td>
<td>Full Semester</td>
<td>1930 - 2120</td>
<td>TR</td>
<td>D02312</td>
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<tr>
<td>23728</td>
<td>Object Oriented Windows</td>
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<td>1130 - 1320</td>
<td>TR</td>
<td>TE108</td>
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<td>21528</td>
<td>Adv Database Programming</td>
<td>4</td>
<td>Full Semester</td>
<td>1930 - 2120</td>
<td>TR</td>
<td>D02314</td>
<td>Reed, Russ</td>
</tr>
</tbody>
</table>

Consult the semester class schedule for the current offering under this number. The specific title and credit authorized will appear on the student transcript.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.
Students will build upon the basic database knowledge and skills gained in the introductory database course. Advanced database knowledge will be gained through the design and implementation of an enterprise-level database. Students will perform database programming techniques such as stored procedures, user-defined functions, cursors, triggers, and distributed queries. Various database paradigms will be used in the course including RDBMS and NoSQL.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
<th>Time</th>
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<th>Location</th>
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<td>CS 3550</td>
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<td>Adv Database Programming</td>
<td>0930 - 1120</td>
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<tr>
<td>CS 3620</td>
<td>4</td>
<td>Server-Side Web</td>
<td>0930 - 1120</td>
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This course introduces the skills and concepts of Human-Computer Interaction (HCI) that enable students to design systems that effectively meet human needs. A concrete illustration of the practice of HCI, this course covers usability, user experience, and modern diverse interfaces. This course includes both theoretical and practical best practices. Cross-listed with WEB 3650.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

This course emphasizes teamwork in small groups on a substantial software engineering project that will be performed for a real customer in the community. It is the intent of the course to provide a capstone experience that integrates the material contained in the CS curriculum through work on a software project that applies this material. Projects are chosen so as to provide an interdisciplinary service learning component with project proposals being solicited from the community at large. Projects that integrate students and faculty from other disciplines are also encouraged. Lectures will be directed towards the software development lifecycle, requirements gathering and design documentation, as well as software project management. Each team member will contribute to all phases of the project as well as the development of a project prototype.

Concepts of formal language definition, automata theory, Turing theory, and solvability, with an introduction of algorithms and computational methods used in advanced computer science courses.
CS 4110  4 Formal Languages & 1730 - 1920   T   D02225   Zhang, Yong
20908 Full Semester
Concepts of formal language definition, automata theory, Turing theory, and solvability, with an introduction of algorithms and computational methods used in advanced computer science courses.

CS 4110  4 Formal Languages & 1730 - 1920   TR   BB221   Cowan, Ted
21232 Full Semester
Concepts of formal language definition, automata theory, Turing theory, and solvability, with an introduction of algorithms and computational methods used in advanced computer science courses.

CS 4230  4 CEL Java App Development 1730 - 1920   MW   D02223   Zhang, Yong
20910 Full Semester
This course is a continuation of CS 3230 and examines the development of Java applications intended for an enterprise environment. The course is programming intensive and concentrates on designing and implementing multi-tier and Web applications based on the Java Enterprise Edition (Java EE) specification. Topics include JavaBeans, Java Database Connectivity, client/server interactions, servlets, session tracking, JavaServer Pages, JavaServer Faces, Struts, the Model-View-Controller approach, remote method invocation, Enterprise JavaBeans, and application servers. Lab exercises will emphasize how Java Enterprise programming supports the operation of robust, distributed object architectures.

CS 4250  4 Design Patterns 1930 - 2120   MW   D02223   Zhang, Yong
20911 Full Semester
Introduction to fundamental principles of software development using design patterns, including structural design patterns, behavioral design patterns, SOLID principles, and agile approach; Understand and program the basic concepts and techniques for building software in an adaptive way, including dependencies and layering, interfaces, unit testing, and refactoring.

CS 4350  4 Adv Internet Programming 1730 - 1920   MW   BB221   Stringham, Don
21412 Full Semester
Capstone client/server web programming group project implemented using an advanced web framework (such as PHP (Laravel, Zend, Cake PHP) or Django, or Ruby on Rails). Includes implementation and concepts of an MVC web architecture, Web UI design and creation, data modeling and retrieval, input validation, security, and unit testing.

CS 4450  4 Adv Software Engineering 1130 - 1320   TR   TE104   Valle, Hugo
20742 Full Semester
This course provides a capstone project experience for students interested in software engineering. While previous courses in the Computer Science curriculum provide students with the knowledge and skills necessary to begin a career as a software engineer, the end-to-end design and implementation experience offered in this course, done as part of a team, and addressing an open-ended problem (as well as an open-ended solution), comes much closer to the experience that software engineering professionals encounter in the workplace. The emphasis on documentation and presentation of designs and results is also valuable career preparation, and forces students to take ownership of their designs and systems as they present them to others.

CS 4640  4 Foundations Game 0930 - 1120   MW   TE104   Fry, Richard
Mathews, Erick
20647 Full Semester
This course introduces students to 2D game development using a programming language, scripting, and a gaming engine. The work includes team work project, graphical programming, GUI, and all other aspects of creating a game program associated with a game design document.

CS 4790  4 .NET Web Application 0730 - 0920   MW   TE104   Fry, Richard
20646 Full Semester
In this course, students will work together as a team to develop advanced ASP.NET MVC applications using the latest .NET CORE Framework tools and technologies. The focus will be on coding activities that enhance the performance and scalability of a web application in a small to medium-sized development environment. Students will create websites that separate the user interface, data access, and application logic.
The purpose of this course is to permit Computer Science majors to develop an individual project, program, system, or research paper, with coordination and approval of a faculty mentor. The final grade and amount of credit awarded will be determined by the department, depending on the complexity of the upper division work performed. May be repeated 3 times up to 4 credit hours. Note: Only 4 credit hours of CS 4800 or CS 4850 or CS 4890 can apply to a CS degree as an elective course, and only a maximum of 6 hours of CS 4800, CS 4850, and CS 4890 may be taken to satisfy missing credits or to achieve full time academic status.

The purpose of this course is to permit Computer Science majors who are currently working in a computer related job or internship to receive academic credit for their work, with coordination and approval of a faculty mentor and their supervisor. The amount of upper division credit awarded will be determined by the department, depending on the nature and quantity of work performed. May be repeated 3 times up to 4 credit hours. Note: Only 4 credit hours of CS 4800 or CS 4850 or CS 4890 can apply to a CS degree as an elective course, and only a maximum of 6 hours of CS 4800, CS 4850, and CS 4890 may be taken to satisfy missing credits or to achieve full time academic status.
related job or internship to receive academic credit for their work, with coordination and approval of a faculty mentor and their supervisor. The amount of upper division credit awarded will be determined by the department, depending on the nature and quantity of work performed. May be repeated 3 times up to 4 credit hours. Note: Only 4 credit hours of CS 4800 or CS 4850 or CS 4890 can apply to a CS degree as an elective course, and only a maximum of 6 hours of CS 4800, CS 4850, and CS 4890 may be taken to satisfy missing credits or to achieve full time academic status.

**CS 4890 4**  Cooperative Work Experience  TBA  TBA  Jensen,

**20696 Full Semester**

The purpose of this course is to permit Computer Science majors who are currently working in a computer related job or internship to receive academic credit for their work, with coordination and approval of a faculty mentor and their supervisor. The amount of upper division credit awarded will be determined by the department, depending on the nature and quantity of work performed. May be repeated 3 times up to 4 credit hours. Note: Only 4 credit hours of CS 4800 or CS 4850 or CS 4890 can apply to a CS degree as an elective course, and only a maximum of 6 hours of CS 4800, CS 4850, and CS 4890 may be taken to satisfy missing credits or to achieve full time academic status.

**CS 4899 0**  Bachelor's Degree  TBA  TBA  Fry, Richard

**20651 Full Semester**

This course is to serve as an assessment tool whereby all BS/BA degree seeking students in the Computer Science Department demonstrate their learned knowledge in at least three areas of computer science. At present, this knowledge will be demonstrated through the use of Chi Tester exams administered through the Campus Testing Center. The course is taken during the last term prior to receiving the BS/BA degree.

**CS 5610 3**  Computer Architecture  0930 - 1045  TR  TE108  Valle, Hugo

**20824 Full Semester**

Investigation of high-performance computer processing architectures, including concurrent, multicore platforms; memory hierarchy; static and dynamic scheduling; instruction-level parallelism, including branch prediction; graphics processing units; cache performance and analysis.

**CS 5820 3**  Compiler Design  1930 - 2045  MW  D02226  Huson, Mark

**20686 Full Semester**

A study of compilers, grammars, finite-state and push down automata, scanning, parsing, error handling, semantic analysis and code generation.

**CS 5840 3**  Formal System Design  1730 - 1845  MW  D02314  Rague, Brian

**21146 Full Semester**

Methods for developing high-quality hardware/software systems that are delivered on time, within budget, and according to requirements. Techniques for specifying programs and reasoning about them, including formal logical proofs, correct code synthesis, model checking, type theory specifications, and properly evaluating concurrent programs.

**CS 6610 3**  Computer Architecture  0930 - 1045  TR  TE108  Valle, Hugo

**20830 Full Semester**

Investigation of high-performance computer processing architectures, including concurrent, multicore platforms; memory hierarchy; static and dynamic scheduling; instruction-level parallelism, including branch prediction; graphics processing units; cache performance and analysis.

**CS 6820 3**  Compiler Design  1930 - 2045  MW  D02226  Huson, Mark

**20688 Full Semester**

A study of compilers, grammars, finite-state and push down automata, scanning, parsing, error handling, semantic analysis and code generation.

**CS 6840 3**  Formal System Design  1730 - 1845  MW  D02314  Rague, Brian

**21150 Full Semester**

Methods for developing high-quality hardware/software systems that are delivered on time, within budget, and according to requirements. Techniques for specifying programs and reasoning about them, including formal logical proofs, correct code synthesis, model checking, type theory specifications, and properly evaluating...
An introduction to dance providing a knowledge base from which to experience dance from a variety of viewpoints: historically, culturally, aesthetically, critically, and creatively. This course takes a close-up look at the rules, messages, and meanings embodied in dance around the world. This is a writing intensive course. Students are expected to attend dance concerts and cultural dance experiences outside regularly scheduled class time. Open to all students.

**DANC 1010 3**
**CA/DV Introduction to Dance**
1230 - 1400  MW  SW233
23253
Full Semester

This is a HYBRID class. The majority of the work will be online, but there WILL BE REQUIRED MEETING TIMES on some Saturdays during the term. You must attend these in-person classes to pass this course.

**DANC 1010 3**
**CA/DV Introduction to Dance**
1300 - 1530  S  SW233  Gotter-Fulton, Tawna
23699
Full Semester

Introduction to the techniques of the classical ballet including alignment, positions, port de bras, and allegro combinations. May be repeated for a maximum of 4 credit hours. Open to all students.

**DANC 1200 1**
**Modern I**
0830 - 1000  MW  BC038  Sowerby, Holly
23257
Full Semester

Introduction to the movement techniques of modern dance. May be repeated for a maximum of 4 credit hours. Open to all students.
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This course will present the basic concepts of planning and implementing community dental health programs. These principles include epidemiology, sociological concepts of health and illness, health behavior, public
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<td>2</td>
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<td>4</td>
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Identification of and laboratory experiences with materials used in dentistry and dental hygiene.

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<td>1030 - 1150</td>
<td>F</td>
<td>MH341 McConaughy</td>
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</table>

Professional Ethics is designed to provide dental hygiene students with a foundation in the professional standards governing the dental hygiene profession and the development of ethical decision-making skills, in the context of diversity and respect for others. Throughout the course the student will be guided to explore issues of diversity, prejudices, and their responsibility to provide culturally sensitive care.

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Independent project in an area of interest; second year dental hygiene students only. Project approval by dental hygiene faculty. A maximum of nine hours may be accumulated with this course.

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Independent project in an area of interest; second year dental hygiene students only. Project approval by dental hygiene faculty. A maximum of nine hours may be accumulated with this course.

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Independent project in an area of interest; second year dental hygiene students only. Project approval by dental hygiene faculty. A maximum of nine hours may be accumulated with this course.

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Independent project in an area of interest; second year dental hygiene students only. Project approval by dental hygiene faculty. A maximum of nine hours may be accumulated with this course.

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The study of local anesthesia with regard to pharmacology, administration techniques, methods of pain and apprehension control and nitrous oxide sedation. Includes laboratory experiences in the administration of local anesthesia and nitrous oxide sedation.

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The study of local anesthesia with regard to pharmacology, administration techniques, methods of pain and apprehension control and nitrous oxide sedation. Includes laboratory experiences in the administration of local anesthesia and nitrous oxide sedation.

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Clinical application of DENT 3337. This course must accompany DENT 3337. Three four hour clinics each week.
Continuation of DENT 2207, 2217. Emphasis on advanced instrumentation in the care of patients with periodontal disease. Must accompany DENT 3336.
Supervised teaching in the Weber State Dental Hygiene program as an assistant to the supervising faculty.
DENT 4405 4 Clinical Teaching Practice  TBA  TBA  Costley, Shelly
20068 Full Semester
Supervised teaching in the Weber State Dental Hygiene program as an assistant to the supervising faculty.

DENT 4530 2 Evidence-based Dental  1230 - 1420  M  MH480  Mcconaughy,
20069 Full Semester
Emphasis is on the critical appraisal of scientific literature, the development of clinical problem statements and hypotheses and the formulation of a research proposal. Ethical issues inherent in the research process and the identification of appropriate hypothesis testing procedures will also be discussed.

DENT 4780 3 Baccalaureate Thesis  TBA  TBA  Bossenberger,
20070 Full Semester
This course is designed to give dental hygiene students an opportunity to complete a thesis project in partial fulfillment of the requirements for the BS/DH major.

DENT 4800 1 Individual Research  TBA  TBA  Bossenberger,
20071 Full Semester
Special project in a student's area of interest.

DENT 4800 2 Individual Research  TBA  TBA  Costley, Shelly
20072 Full Semester
Special project in a student's area of interest.

DENT 4800 3 Individual Research  TBA  TBA  Alexander,
20073 Full Semester
Special project in a student's area of interest.

DENT 4890 2 Clinical Work Experience  TBA  TBA  Bossenberger,
20074 Full Semester
This course is designed to specifically meet the interests and career goals of the Dental Hygiene Degree-completion student or the student completing the Baccalaureate degree, Dental Hygiene major prior to initial licensure as a dental hygienist. The student who is completing this course as part of their BS degree, initial entry into the profession, will participate in an advanced community or clinical work experiences under the direct supervision of program faculty. The baccalaureate degree completion student must be licensed to practice dental hygiene at the site in which the work experience will take place, have successfully completed an accredited dental hygiene program, or have a work experience site that does not have direct patient care as its community role.

ECE 1270 4 Intro to Electrical Circuits  1030 - 1145  MV  ET133D
21613 1330 - 1630  W  ET127
Full Semester
Meet in ET 133D first day.

ECE 1270 4 Intro to Electrical Circuits  1700 - 2000  MV  ET101
21616 1700 - 2000  MV  ET101A
Full Semester
First day meet in ET 128

ECE 2260 4 Fund of Electrical Circuits  0900 - 1015  TR  ET128
21627 1330 - 1630  T  ET127
Full Semester
First day meet in ET 128

ECE 2700 4 Digital Circuits  1700 - 2000  MV  ET128
21667 1700 - 2000  MV  ET127
Full Semester
First day meet in ET 128

Widdison, Eric
Trampel, Thomas
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<td>An engineering seminar course designed to prepare the student for professional engineering employment. Topics to include resumes, hiring criteria, interviewing techniques, engineering ethics, professional and societal responsibilities, lifelong learning, diversity, creative problem solving, goals, quality, timeliness, and continuous improvement. The students will research related topics and write a paper.</td>
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<td>ECE 3000</td>
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<td>An engineering seminar course designed to prepare the student for professional engineering employment. Topics to include resumes, hiring criteria, interviewing techniques, engineering ethics, professional and societal responsibilities, lifelong learning, diversity, creative problem solving, goals, quality, timeliness, and continuous improvement. The students will research related topics and write a paper.</td>
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<td>Topics related to control theory, analysis, and testing of systems in the time domain, frequency domain and state space. Lecture and lab combination.</td>
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<td>Digital VLSI Design</td>
<td>3</td>
<td>Full Semester</td>
<td>1700 - 1815</td>
<td>MW</td>
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<td>21691</td>
<td>Introduction to Digital VLSI design. Includes the development of standard cell library of common CMOS circuits. Use of hardware description language and CAD tools for the design and simulation of custom large-scale digital systems. Students will understand the impacts and tradeoffs from speed, power consumption, and thermal properties of large-scale custom ICs.</td>
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<td>ECE 5310</td>
<td>Electromagnetics II</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1115</td>
<td>TR</td>
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<tr>
<td>21700</td>
<td>A study of intermediate electromagnetic issues common to circuits, systems, and communication networks.</td>
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<td>ECE 5710</td>
<td>Real-time Embedded Systems</td>
<td>4</td>
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<td>0900 - 1015</td>
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<td>ECE 6010</td>
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<td>3</td>
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<td>ECE 6710</td>
<td>Real-Time Embedded Systems</td>
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<td>Full Semester</td>
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<td>SS Econ as a Social Science</td>
<td>3</td>
<td>Full Semester</td>
<td>1730 - 2010</td>
<td>W</td>
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<td>22390</td>
<td>An introduction to basic economic institutions and principles of economics for non-business and non-economics majors. The primary objective of the course is to provide a framework of economic approaches useful in the analysis of social problems. Topics include poverty, economic systems, crime, pollution, health, discrimination, unemployment, inflation, and the role of government in the economy.</td>
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<td>1200 - 1315</td>
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<td>22395</td>
<td>An introduction to basic economic institutions and principles of economics for non-business and non-economics majors. The primary objective of the course is to provide a framework of economic approaches useful in the analysis of social problems. Topics include poverty, economic systems, crime, pollution, health, discrimination, unemployment, inflation, and the role of government in the economy.</td>
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<td>ECON 1010</td>
<td>SS Econ as a Social Science</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1145</td>
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An introduction to basic economic institutions and principles of economics for non-business and non-economics majors. The primary objective of the course is to provide a framework of economic approaches useful in the analysis of social problems. Topics include poverty, economic systems, crime, pollution, health, discrimination, unemployment, inflation, and the role of government in the economy.

**ECON 1010** 3  
SS Econ as a Social Science  
0900 - 1015  
TR  
WB104  
Vaughan, Mike  
22419  
Full Semester

An introduction to basic economic institutions and principles of economics for non-business and non-economics majors. The primary objective of the course is to provide a framework of economic approaches useful in the analysis of social problems. Topics include poverty, economic systems, crime, pollution, health, discrimination, unemployment, inflation, and the role of government in the economy.

**ECON 1010** 3  
SS Econ as a Social Science  
TBA  
TBA  
OL  
Vaughan, Mike  
22515  
Full Semester

An introduction to basic economic institutions and principles of economics for non-business and non-economics majors. The primary objective of the course is to provide a framework of economic approaches useful in the analysis of social problems. Topics include poverty, economic systems, crime, pollution, health, discrimination, unemployment, inflation, and the role of government in the economy.

**ECON 1740** 3  
AI Economic History of the U  
0900 - 1015  
TR  
WB114  
La Parra  
22516  
Full Semester

A critical study of the history of the American Economy, significant events, fundamental principles of a market economy, interactions between government and the market economy, and the evolution of fundamental economic institutions.

**ECON 1740** 3  
AI Economic History of the U  
1030 - 1145  
TR  
WB114  
La Parra  
22517  
Full Semester

A critical study of the history of the American Economy, significant events, fundamental principles of a market economy, interactions between government and the market economy, and the evolution of fundamental economic institutions.

**ECON 1740** 3  
AI Economic History of the U  
0730 - 0845  
TR  
WB104  
MacKay,  
22518  
Full Semester

A critical study of the history of the American Economy, significant events, fundamental principles of a market economy, interactions between government and the market economy, and the evolution of fundamental economic institutions.

**ECON 2010** 3  
SS Principles of  
0730 - 0845  
TR  
WB110  
Gnagey, Matt  
22546  
Full Semester

The application of economic concepts to the analysis of scarcity of individual, firm, and organizational behavior. Topic coverage includes the theories of how consumers and firms make choices, and how various rules guide their respective decisions. The course also explores the theory of market structures, such as perfect and imperfect competition, as well as monopoly.

**ECON 2010** 3  
SS Principles of  
0900 - 1015  
TR  
WB110  
Gnagey, Matt  
22549  
Full Semester

The application of economic concepts to the analysis of scarcity of individual, firm, and organizational behavior. Topic coverage includes the theories of how consumers and firms make choices, and how various rules guide their respective decisions. The course also explores the theory of market structures, such as perfect and imperfect competition, as well as monopoly.

**ECON 2010** 3  
SS Principles of  
TBA  
TBA  
OL  
Koford,  
22550  
Full Semester

The application of economic concepts to the analysis of scarcity of individual, firm, and organizational behavior. Topic coverage includes the theories of how consumers and firms make choices, and how various rules guide their respective decisions. The course also explores the theory of market structures, such as perfect and imperfect competition, as well as monopoly.
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<th>Course</th>
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<th>Title</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<td>ECON 2010</td>
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<td>SS Principles of</td>
<td>0930 - 1020</td>
<td>MVF</td>
<td>Mbuku, John</td>
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<td>Full Semester</td>
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<td>The application of economic concepts to the analysis of scarcity of individual, firm, and organizational behavior. Topic coverage includes the theories of how consumers and firms make choices, and how various rules guide their respective decisions. The course also explores the theory of market structures, such as perfect and imperfect competition, as well as monopoly.</td>
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<td>ECON 2010</td>
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<td>SS Principles of</td>
<td>1030 - 1120</td>
<td>MVF</td>
<td>Mbuku, John</td>
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<td>The application of economic concepts to the analysis of scarcity of individual, firm, and organizational behavior. Topic coverage includes the theories of how consumers and firms make choices, and how various rules guide their respective decisions. The course also explores the theory of market structures, such as perfect and imperfect competition, as well as monopoly.</td>
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<td>ECON 2010</td>
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<td>Full Semester</td>
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<td>Analyzes human behavior and choices as they relate to the entire economy, with specific focus on national income measurement, unemployment, inflation, business cycles, global trade, and economic growth. Implications of different government policies, e.g., changes in taxation, government spending, money supply or interest rates for a stable economy and steady growth are explored.</td>
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<tr>
<td>ECON 2010</td>
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<td>Analyzes human behavior and choices as they relate to the entire economy, with specific focus on national income measurement, unemployment, inflation, business cycles, global trade, and economic growth. Implications of different government policies, e.g., changes in taxation, government spending, money supply or interest rates for a stable economy and steady growth are explored.</td>
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<td>Analyzes human behavior and choices as they relate to the entire economy, with specific focus on national income measurement, unemployment, inflation, business cycles, global trade, and economic growth. Implications of different government policies, e.g., changes in taxation, government spending, money supply or interest rates for a stable economy and steady growth are explored.</td>
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<td>Analyzes human behavior and choices as they relate to the entire economy, with specific focus on national income measurement, unemployment, inflation, business cycles, global trade, and economic growth. Implications of different government policies, e.g., changes in taxation, government spending, money supply or interest rates for a stable economy and steady growth are explored.</td>
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<td>ECON 2899</td>
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<td>Econ Foundations</td>
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<td>Muller, Hagopian</td>
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<td>Completion of ECON 2899 is required of all students pursuing any major, minor, emphasis or certificate awarded by the John B. Goddard School of Business &amp; Economics. The course objectives are: 1) assessment of Business Foundation knowledge, and 2) admittance to the Goddard School. Students should register for this course concurrent with (same semester as) their last required Business Foundation course (ECON 2010, ECON 2020 and QUAN 2600) or after the required Business Foundation courses have been completed. Students must have an overall GPA of 2.5 or higher and a Business Foundation GPA of 2.5 or higher and a minimum grade of &quot;C-&quot; in each of the three Business Foundation courses. Pre/Co-requisite: ECON 2010, ECON 2020, QUAN 2600.</td>
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<td>ECON 3110</td>
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<td>An introduction to the pure theory of trade, international trade agreements and negotiations (e.g., GATT, EU and NAFTA) and the institutions designed to encourage trade. Emphasis on the benefits of free trade as well as the reasons for the existence of trade barriers such as tariffs and quotas. Special topics include trade in agricultural products and international labor migration.</td>
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<td>ECON 4810</td>
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Applications of the principle of economics to the international monetary system. Special emphasis on the way in which international monetary institutions can facilitate trade. Macroeconomic models of an open economy are used to examine the effect that international trade and financial ties have on the domestic economy. Special topics include institutions such as the World Bank and the IMF, along with regional monetary unification in Europe.

This course presents a detailed description and economic analysis of the U.S. financial system which includes the banking industry, bond and stock markets, and the Federal Reserve system. This course serves as an extension to the material covered in an introductory macroeconomics course. The enhanced understanding of the workings of the financial system including the determination of interest rates, will be used to trace out the channels of monetary policy as conducted by the Federal Reserve and the effect of monetary policy on financial markets, such as the stock market.

The application of economic concepts to individual and firm behavior, consumer behavior, demand analysis, economics of the firm, and price theory.

The building of standard models to test theories of long-run economic performance and short-term fluctuations in closed and open economies. Emphasis is placed on how fiscal and monetary policies encourage long-run growth while mitigating the negative effects of short-term fluctuations.

The application of economic principles to the challenging problems of third world and developing nations including Africa, Asia, Latin America and the newly independent states of the Former Soviet Union and Eastern Europe.

Advanced Regression Analysis. Topics include ordinary least squares, generalized least squares, nonlinear regression, dummy variables, autocorrelation, heteroskedasticity, and serial correlation. Computers used extensively.

This course is an introduction to game theory, the study of strategic behavior among parties having opposed, mixed, or similar interests. This course will sharpen your understanding of strategic behavior in encounters with other individuals. You will learn how to recognize and model strategic situations, to predict when and how your actions will influence the decisions of others and to exploit strategic situations for your own benefit.

A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through the Business Economics or International Business Economics program courses. Senior Standing.
applies and integrates the knowledge and skills obtained through the Business Economics or International Business Economics program courses. Senior Standing.

<table>
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<th>Course Code</th>
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<th>Instructor</th>
<th>Schedule</th>
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<td>A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through the Business Economics or International Business Economics program courses. Senior Standing.</td>
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<td>ECON 4970</td>
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<td>Intro to Research Methods</td>
<td>1230 - 1330</td>
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<td>This course prepares students for ECON 4980 Research Methods. Students will study the research process and the scientific method as it applies to economics. Students will have an opportunity to explore various fields and literature in order to design a thesis project for ECON 4980.</td>
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<td>Full Semester</td>
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<td>A course designed for senior economics majors which requires the completion of an extensive thesis project. This course will focus on the formulation of hypotheses, review of relevant literature, and either theoretical or empirical analysis.</td>
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<td>EDUC 3100</td>
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<td>EDUC 3116</td>
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<td>1230 - 1345</td>
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</table>

This course will introduce students to the characteristics of exceptional children with emphasis on the educational and psychological implications of disabilities to the development of the child. A minimum grade of C is required in this course.

Consult the semester class schedule for the current offering under this number. The specific title and credit authorized will appear on the student transcript. May be taken on a Credit/No Credit basis.

This course is an orientation to using media and technology to support and apply research-based principles for learning in educational environments for traditional, blended, and online instruction. Students will be taught to integrate technology into the curriculum to support meaningful instruction for both teaching and learning. Students will be introduced to cloud computing and taught how to design, administer, and assess digital curriculum. The course content is based on Utah core curriculum skills for students in the K-8 setting. Students will develop an e-portfolio.

This course is an orientation to using media and technology to support and apply research-based principles for learning in educational environments for traditional, blended, and online instruction. Students will be taught to integrate technology into the curriculum to support meaningful instruction for both teaching and learning. Students will be introduced to cloud computing and taught how to design, administer, and assess digital curriculum. The course content is based on Utah core curriculum skills for students in the K-8 setting. Students will develop an e-portfolio.
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<td>This course focuses on integrating media and technology to support and apply research-based principles for learning in educational environments for traditional, blended, and online instruction. Students will continue to develop their skills and knowledge about how to incorporate technology into the curriculum to support meaningful instruction. A variety of technologies will be utilized for designing digital curriculum and developing 21st century standards. The course content is based on Utah core curriculum skills for students in the K-8 setting. Students continue to create an e-portfolio.</td>
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<td>EDUC 3120</td>
<td>3</td>
<td>Read Instruct Primary Grades</td>
<td>0830 - 0945 TR</td>
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<td>This course is designed to familiarize the teacher candidate with current knowledge and practices as they relate to teaching literacy (reading, writing, listening, and speaking) in the primary grades (K-2). • LEVEL 1 A. For courses that MUST be taken together go to: weber.edu/education and click on Class Schedule enter term and add Education in Subject bar. Field Exp. required.</td>
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<td>LEVEL 1 B. For courses that MUST be taken together go to: weber.edu/education then click on class schedule enter term and add Education in Subject bar. Field Exp. required.</td>
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<td>EDUC 3140</td>
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<td>Educ Psych/Classroom</td>
<td>1000 - 1115 TR</td>
<td>TR</td>
<td>ED325</td>
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<td>The focus of this course is the fundamental theories and philosophies, concepts, processes, and applications related to human behavior, teaching and learning, interpersonal relationships, and classroom management. • Note: NOT required for ECE/ELEM Double Majors</td>
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<td>Note: NOT required for ECE/ELEM Double Majors</td>
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<td>EDUC 3140</td>
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Note: NOT required for ECE/Elem Double Majors.

**EDUC 3205** 3  
Cultural/Linguistic Responsiv A 0830 - 1110  F  ED325  Byrd, David

**Full Semester**

Rationales, concepts, practice provide a scope of understanding and awareness regarding the role of cultural and language pluralism in school and society. Foundations and theories on the role of family and community influence on student values. Experiences intended to develop basic skills in personal interaction and adaptation to teaching diverse populations.

**EDUC 3205** 3  
Cultural/Linguistic Respons B 1230 - 1510  F  ED325  Byrd, David

**Full Semester**

Rationales, concepts, practice provide a scope of understanding and awareness regarding the role of cultural and language pluralism in school and society. Foundations and theories on the role of family and community influence on student values. Experiences intended to develop basic skills in personal interaction and adaptation to teaching diverse populations.

**EDUC 3205** 3  
Cultural/Linguistic Respons C 1530 - 1810  M  ED325

**Full Semester**

Rationales, concepts, practice provide a scope of understanding and awareness regarding the role of cultural and language pluralism in school and society. Foundations and theories on the role of family and community influence on student values. Experiences intended to develop basic skills in personal interaction and adaptation to teaching diverse populations.

**EDUC 3210** 2  
Elem Level II Practicum A 0830 - 1110  R  ED330  Rushton, The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on integrating the arts, healthy lifestyles, and literacy. Students are required to spend at least 40 hours in an assigned classroom.

**EDUC 3210** 2  
Elem Level II Practicum A 0830 - 1110  R  ED330  Bates, Vincent

**Full Semester**

The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on integrating the arts, healthy lifestyles, and literacy. Students are required to spend at least 40 hours in an assigned classroom.

**EDUC 3210** 2  
Elem Level II Practicum B 1230 - 1510  R  ED330  Cain, Ryan

**Full Semester**

The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on integrating the arts, healthy lifestyles, and literacy. Students are required to spend at least 40 hours in an assigned classroom.

**EDUC 3220** 2  
Foundations of Diversity A 0800 - 1015  TR  ED227  Crawford, SEC PRO CORE A. For courses that MUST be taken together go to: weber.edu/education and click on Class Schedule enter term and add Education in Subject Bar. Field Exp. required.

**Full Semester**

0830 - 1120  MWF  ED227

**EDUC 3220** 2  
Foundations of Diversity B 1230 - 1520  MWF  ED227  Crawford, SEC PRO CORE B. For courses that MUST be taken together go to: weber.edu/education and click on Class Schedule enter term and add Education in Subject Bar. Field Exp. req/
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<td>EDUC 3230</td>
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<td>Data Analy/Elem &amp; Math</td>
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<td>0830 - 0945</td>
<td>ED330</td>
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<td>EDUC 3230</td>
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<td>EDUC 3265</td>
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<td>The Exceptional Student A</td>
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<td>ED325</td>
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<td>EDUC 3270</td>
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<td>1230 - 1510</td>
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</table>

This course will focus on the study of statistics and probability in the Utah mathematics core (K-8) and appropriate mathematics teaching methods. Emphasis will also be on the developing an understanding of the Standards of Mathematical Practice. Teaching mathematics for deep conceptual understanding and connections to other subject areas and real life situations will be addressed. This course builds upon and will use content learned in MATH 2010, 2015, and 2020.

This course will provide methods, foundations and assessments for developmental reading in the elementary school, Grades 3-6.

Students will learn about the learning and social characteristics of young people with exceptionalities—that is, disabilities (physical, mental, learning) or giftedness—and about public policy and services available to them. As future teachers, they will learn about how such individuals are identified and served by the school system, what strategies are effective for instructing them, and roles and responsibilities of school personnel in providing appropriate educational experiences for all students in an inclusive classroom.

The Individuals with Disabilities Education Improvement Act of 2004 (IDEA-04) mandates that students with disabilities be educated "to the maximum extent appropriate with children who are not disabled." The expectation is that students with disabilities will have access to, and make adequate progress in, the general curriculum. Therefore, it is essential for general educators and special educators to work collaboratively. This course is designed to provide preservice teachers with the knowledge and skills of effective inclusive teaching practices.
teaching practices.

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<th>Course Code</th>
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<td>EDUC 3270</td>
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<td>3</td>
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<td>W</td>
<td>ED325, Mayhew, Jack</td>
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This course focuses on the place of social studies in the elementary school curriculum, the scope and rationale of the social studies curriculum, connections with other subject areas, teaching and assessment strategies, and building classroom community.

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<th>Course Code</th>
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This course focuses on the place of social studies in the elementary school curriculum, the scope and rationale of the social studies curriculum, connections with other subject areas, teaching and assessment strategies, and building classroom community.

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This course focuses on how to create media to support and apply research-based principles for learning into the educational environments. The curriculum is based on Core Curriculum skills for students in grades 9-12. The course content provides teacher licensure candidates with technology proficiencies for integrating technology into teaching.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
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<tr>
<td>EDUC 3315</td>
<td>Media in Sec Setting B</td>
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<td>1230 - 1520</td>
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<td>21238</td>
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</table>

This course focuses on how to create media to support and apply research-based principles for learning into the educational environments. The curriculum is based on Core Curriculum skills for students in grades 9-12. The course content provides teacher licensure candidates with technology proficiencies for integrating technology into teaching.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<th>Days</th>
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<tr>
<td>EDUC 3371</td>
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<td>TBA</td>
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<tr>
<td>23670</td>
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To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

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<tr>
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<th>Course Title</th>
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<tr>
<td>EDUC 3375</td>
<td>Foundations of Immersion</td>
<td>3</td>
<td>1630 - 1910</td>
<td>M</td>
<td>ED319, Byrd, David</td>
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<tr>
<td>21396</td>
<td>Full Semester</td>
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</table>

The course examines the background, underlying theory, and research foundations that support dual language and immersion education practices. Issues for teachers and administrators will be addressed. Practices and principles that inform language attentive curriculum will be a focus of the course.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>21397</td>
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Development of attitudes, methods and skills in creative teaching.

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<td>EDUC 3900</td>
<td>CEL Prep/Teach/Assess</td>
<td>3</td>
<td>0800 - 1015</td>
<td>TR</td>
<td>ED227, Moulding,</td>
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This integrated course will focus on lesson planning, teaching, and assessment through the application of the Teacher Work Sample (TWS) using lesson plan formats taught in the content areas. A variety of instructional strategies effective for use at the secondary level will be taught and modeled.
This integrated course will focus on lesson planning, teaching, and assessment through the application of the Teacher Work Sample (TWS) using lesson plan formats taught in the content areas. A variety of instructional strategies effective for use at the secondary level will be taught and modeled.

The purpose of this practicum is to provide students with opportunities to design and implement content-specific instruction at the secondary level. Students are required to spend at least 40 hours in an assigned classroom.

The purpose of this practicum is to provide students with opportunities to design and implement content-specific instruction at the secondary level. Students are required to spend at least 40 hours in an assigned classroom.

This course will focus on assessment of reading comprehension of students, and decisions teachers make concerning methods, materials and procedures based on those assessments. Teacher candidates will integrate literacy skills (vocabulary, study skills, comprehension development and writing) within their respective content areas and teach sample lessons to secondary students.

The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on instruction of core subjects including language arts, mathematics, science, and social studies. Students are required to spend at least 60 hours in an assigned classroom.

The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on instruction of core subjects including language arts, mathematics, science, and social studies. Students are required to spend at least 60 hours in an assigned classroom.

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<table>
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<th>Course Code</th>
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<td>Elem Level II Practicum</td>
<td>1130 - 1520</td>
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<td>The purpose of this practicum is to provide students with opportunities to design and implement integrated instruction in the elementary grades. Instruction will focus on instruction of core subjects including language arts, mathematics, science, and social studies. Students are required to spend at least 60 hours in an assigned classroom.</td>
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<td>EDUC 4250</td>
<td>3</td>
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<td>Byrd, David</td>
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<tr>
<td></td>
<td></td>
<td>This course explores second language acquisition processes, current theories, and effective strategies as a knowledge base in planning appropriate curriculum and instruction for English language learners.</td>
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<tr>
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<td></td>
<td>This course focuses on methods for language arts instruction in the elementary setting with specific emphasis on writing strategies. Particular emphasis is given to models of research-based instruction of core curriculum in language art.</td>
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<td>This course focuses on methods for language arts instruction in the elementary setting with specific emphasis on writing strategies. Particular emphasis is given to models of research-based instruction of core curriculum in language art.</td>
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<tr>
<td>EDUC 4330</td>
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<td>This course focuses on methods and materials for teaching hands-on guided discovery science with an emphasis on concepts included in the Utah core curriculum.</td>
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<tr>
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<td>This course focuses on methods and materials for teaching hands-on guided discovery science with an emphasis on concepts included in the Utah core curriculum.</td>
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<tr>
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<td></td>
<td>This course is designed to prepare students to successfully teach art and music in the elementary classroom. Students are expected to design, prepare and teach lessons to engage elementary students in art and music activities.</td>
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<td>Elem Math Pedagogy A</td>
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<td>ELEM LEVEL 3 A. For courses that MUST be taken together go to: weber.edu/education and click on Class Schedule and add Education in Subject Bar. Field Exp. req.enter term and add Education in Subject Bar. FieldExp. required.</td>
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<td></td>
<td></td>
<td>Student teaching experience in elementary public school setting plus weekly seminar on campus. Offered CR/NC only.</td>
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<td>SPECIAL EDUCATION LEVEL 3</td>
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<td>Block 1</td>
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<td>This course is designed to teach teacher candidates validated evaluation and remediation strategies for 6-12 students struggling in English Language Arts, focusing on techniques in secondary reading, writing, speaking, listening, and language. Candidates will be introduced to the process of identifying reading and writing difficulties, selecting evidence-based interventions, implementing instruction, and using the data-based instructional decision model to monitor students’ ELA progress and intervention effectiveness.</td>
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<td>Block 1</td>
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<td>This course is designed to teach teacher candidates validated evaluation and remediation strategies for students in grades 6-12 struggling in mathematics. This course focuses on techniques in secondary mathematics. Candidates will be introduced to the process of identifying math difficulties, selecting evidence based interventions, implementing instruction, and using the data-based instructional decision model to monitor students’ math progress and intervention effectiveness.</td>
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<td></td>
<td></td>
<td>Instructional programming and modification of curriculum for students with disabilities served by teachers with Mild/Moderate Endorsements.</td>
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<td></td>
<td>The purpose of this practicum is to provide teacher candidates with opportunities to implement content-specific instruction and demonstrate quality instruction while working in secondary special education classrooms.</td>
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<td>Full Semester</td>
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<td>Supervised teaching in selected special education programs in an elementary or secondary school. Prerequisite: successful completion of mild/moderate licensure coursework and permission of the Field Experience Director. Available on a CR/NC basis only.</td>
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<tr>
<td>EDUC 4670B</td>
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<td>Supervised teaching in selected special education programs in an elementary or secondary school. Prerequisite: successful completion of mild/moderate licensure coursework and permission of the Field Experience Director. Available on a CR/NC basis only.</td>
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<td>Course Title</td>
<td>Credits</td>
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<td>Must make appointment w/ Dr. Rasmussen prior to Instructor</td>
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<td>Must make appointment w/ Dr. Rasmussen prior to Instructor</td>
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<td>Must make appointment w/ Dr. Rasmussen prior to Instructor</td>
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<td></td>
<td>Student teaching experience in a public school to synthesize theory and practice. Support seminars held on campus. Available on a CR/NC basis only.</td>
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<td>Student teaching experience in a public school to synthesize theory and practice. Support seminars held on campus. Available on a CR/NC basis only.</td>
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<td></td>
<td>This course will help prepare teacher candidates for student teaching and ultimately licensure with two different types of activities. First, are weekly, 3-hour collaboration and topical seminars emphasizing on-going discussions and support on classroom management, preparing the TWS and INTASC portfolio, creating your career file, and other education issues. Second, is a two-day workshop to synthesize the semester and have your INTASC portfolio assessed.</td>
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<td>Must make appointment w/ Dr. Rasmussen prior to registration</td>
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<td>EDUC 4890</td>
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<td>Must make appointment w/ Dr. Rasmussen prior to registration</td>
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<td></td>
<td>For students accepted to the Teacher Education Program who meet the minimum cooperative work experience requirements of the department. Provides academic credit for on-the-job experience. Amount of credit will be determined by the department. Fingerprinting/ background check must be completed prior to working in the schools.</td>
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<td>EDUC 4930A</td>
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<td>Student teaching experience in secondary public school setting plus weekly seminar on campus. Offered CR/NC only.</td>
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<td>Student teaching experience in secondary public school setting plus weekly seminar on campus. Offered CR/NC only.</td>
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<td>Student teaching experience in a public school to synthesize theory and practice. Support seminars held on campus.</td>
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<td>Student teaching experience in a public school to synthesize theory and practice. Support seminars held on campus.</td>
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<td>EDUC 4950 4</td>
<td>Int Sec Student Teach</td>
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<td>M</td>
<td>ED227</td>
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<td>Preparation and support for secondary clinical practice. Collaborative and topical seminars will emphasize ongoing discussions and support on classroom management, ethics, preparing the TWS and INTASC portfolio, creating a career file, and secondary school issues.</td>
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<td>ED330</td>
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<td>Students will gain experience in teaching and working with ESL/bilingual students and apply what they have learned from relevant courses.</td>
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<td>EET 2110 4</td>
<td>Semiconductor Circuits</td>
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<td>EET 2170 3</td>
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<td>Introduction to industrial control systems for manufacturing and automated test applications. The course will focus on LabVIEW control systems and Programmable Logic Controllers (PLCs). Students will configure, program, and troubleshoot industrial control systems. Lecture and lab combination.</td>
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<td>EET 3030 4</td>
<td>FPGA and ASIC Design</td>
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<td>MW</td>
<td>ET204</td>
<td>Berry, Brian</td>
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<tr>
<td></td>
<td>Introduction to field programmable gate arrays (FPGA) and application specific integrated circuit (ASIC) design.</td>
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</table>
Lecture and lab combination. Laboratory activities to include the use of computer design tools to design, model, simulate, and program gate arrays and application specific integrated circuits.

EET 3040 4 Instrumentation & 0830 - 0950 TR ET120 McCulley
21734 Full Semester

Introduction to electronic data acquisition, data analysis, error analysis, signal measurement, and automatic testing techniques. Lecture and lab combination. Laboratory activities to include the design, construction, and analysis of measurement circuits, data acquisition circuits, instrumentation devices, and automatic testing.

EET 3100 3 Renewable Energy 1630 - 1750 TR ET210 Loveless, John
21735 Full Semester

The purpose of the EET 3100 Renewable Energy course is for each student to learn the fundamental knowledge and technology of various types of renewable energy including solar energy, wind power, hydroelectric, geothermal energy, biomass and ocean energy. This course discusses the limitations and the impacts of using fossil fuel energy and its possible impact on global climate change. This course will enable students to build an essential foundation towards the specific applications of renewable energy such as solar PV (Photovoltaic) systems, wind turbine systems and micro-hydro systems. Incentives, rebates and policies from federal, state and local power companies will also be addressed in the class. The students will learn how to acquire professional certifications if they are interested in developing a career in the area of renewable energy.

EET 4010 2 CEL Senior Project I 1200 - 1250 T ET133D Hearn
21737 Full Semester

Meet in ET 133D first day only

EET 4020 2 CEL Senior Project II 1200 - 1250 T ET133D Hearn
24483 Full Semester

Meet Tuesday ET 133D first day only

EET 4030 4 Controls & Systems 1730 - 1920 MW ET101 Hearn
21690 Full Semester

Introduction to automatic control theory, analysis, and testing, pole, zero, Bode plots, and frequency response. The design and application of programmable controllers using ladder logic, sequential functions charts, PID, and data highway. Lecture and lab combination. Laboratory activities to include computer simulation, servo-system construction, and analysis.

EET 4890 2 Cooperative Work Experience TBA TBA Jackson, Justin
21831 Full Semester

Contract instructor for course requirements

ENGL 0900 3 Fund College Reading/Writing 0730 - 0845 TR EH220 Kolz, Buck
21516 Full Semester

A course designed to help students develop fundamental reading, writing, and thinking skills. Students in this course work closely with Skills Enhancement Center tutors in both group and one-to-one settings. Students with ACT scores in either English or Reading of 12 and below are required to take ENGL ND0900. Students without ACT scores are also placed in this course unless they are otherwise placed by Accuplacer. Students must complete this course with a grade of C or better before enrolling in ENGL ND0955.

ENGL 0900 3 Fund College Reading/Writing 0730 - 0820 MWF EH220 Olson, Beanan
21520 Full Semester

A course designed to help students develop fundamental reading, writing, and thinking skills. Students in this course work closely with Skills Enhancement Center tutors in both group and one-to-one settings. Students with ACT scores in either English or Reading of 12 and below are required to take ENGL ND0900. Students without ACT scores are also placed in this course unless they are otherwise placed by Accuplacer. Students must complete this course with a grade of C or better before enrolling in ENGL ND0955.
A course designed to help students develop fundamental reading, writing, and thinking skills. Students in this course work closely with Skills Enhancement Center tutors in both group and one-to-one settings. Students with ACT scores in either English or Reading of 12 and below are required to take ENGL ND0900. Students without ACT scores are also placed in this course unless they are otherwise placed by Accuplacer. Students must complete this course with a grade of C or better before enrolling in ENGL ND0955.

ENGL 0900 3
Fund College Reading/Writing 1030 - 1120 MWF EH316 Cox, Rachel
21531 Full Semester

ENGL 0955 6
Dev College Reading/Writing 0730 - 0820 MWF EH215 Hughes, Claire
21547 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 0900 - 1015 TR EH203 Kolz, Buck
21549 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 0830 - 0920 MWF EH218
21553 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 0830 - 0920 MWF EH203 Terry, Joshua
21554 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 0900 - 1015 TR EH205 Evans, Ryan
21555 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 0930 - 1020 MWF EH219 Marchant,
21556 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 1030 - 1145 TR EH203 Asay, Toni
21561 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 1130 - 1220 MWF EH215 Barnum, Tyler
21563 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 1130 - 1220 MWF EH217 Tobias, Linda
21566 Full Semester
This class consists of an online component along with face-to-face sessions.

ENGL 0955 6
Dev College Reading/Writing 1200 - 1315 TR EH206 Wheelwright,
21580 Full Semester
This class consists of an online component along with face-to-face sessions.
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**ENGL 1010**

**EN Introduct College Writing**

3

Full Semester

21638

1230 - 1320  MWF  EH203  Conrad,

21639

1230 - 1320  MWF  EH204  McKay, Susan

21640

1230 - 1345  MW  EH215  Barnum, Tyler

21641

1030 - 1145  TR  EH403  Williamson,

21642

1130 - 1220  MWF  EH218  Dominguez,

21739

0930 - 1020  MWF  EH215  Dominguez,

21740

1330 - 1445  TR  EH206  Wheelwright,

21741

1730 - 2010  M  EH203  Heath,

21742

1730 - 2010  T  EH220  Butler, Nicole

This is an Honors section. You must have an GPA of 3.00 or higher. Any questions please contact Tia Nero at 801-626-7336 or in the LB324.
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This class consists of an online component along with face-to-face sessions.

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<td>An introduction to poetry written in English, selected from a diverse range of authors from various cultures and historical periods. Students will develop the critical and interpretive skills necessary to appreciate the craft of poetry as a valid and important way of talking about human experiences. Course includes relevant practice in the principles of successful writing, including drafting, revising, and editing.</td>
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<td>An introductory course to familiarize students with the creative process and increase writing skills in various forms of poetry and prose.</td>
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To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online - Canvas.

ENGL 2250 3 CA CW: Intro Creative Writing  TBA  TBA  OL
23213  

Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online - Canvas.

ENGL 2260 3 CA CW: Writing Short Fiction  1030 - 1145  TR  EH217  Ridge, Ryan
22069  

Full Semester

This course introduces students to writing original short fiction in a workshop setting. Students will read as models a judicious sampling of stories by authors such as Edgar Allen Poe, William Faulkner, Toni Morrison, Truman Capote, and others as selected by the professor in order to build a vocabulary for analyzing aspects of storytelling such as plot, story arc, characterization, dialogue, meaningful detail, and story pacing. Using guided writing exercises and journaling, students will develop ideas from these sources to create original fiction for a series of in-class workshops. Students will critique, and be critiqued by, the entire class, in order to revise their stories.

ENGL 2260 3 CA CW: Writing Short Fiction  1200 - 1315  TR  EH220  Craggett,
22071  

Full Semester

This course introduces students to writing original short fiction in a workshop setting. Students will read as models a judicious sampling of stories by authors such as Edgar Allen Poe, William Faulkner, Toni Morrison, Truman Capote, and others as selected by the professor in order to build a vocabulary for analyzing aspects of storytelling such as plot, story arc, characterization, dialogue, meaningful detail, and story pacing. Using guided writing exercises and journaling, students will develop ideas from these sources to create original fiction for a series of in-class workshops. Students will critique, and be critiqued by, the entire class, in order to revise their stories.

ENGL 2260 3 CA CW: Writing Short Fiction  1330 - 1445  TR  EH217  Ridge, Ryan
22072  

Full Semester

This course introduces students to writing original short fiction in a workshop setting. Students will read as models a judicious sampling of stories by authors such as Edgar Allen Poe, William Faulkner, Toni Morrison, Truman Capote, and others as selected by the professor in order to build a vocabulary for analyzing aspects of storytelling such as plot, story arc, characterization, dialogue, meaningful detail, and story pacing. Using guided writing exercises and journaling, students will develop ideas from these sources to create original fiction for a series of in-class workshops. Students will critique, and be critiqued by, the entire class, in order to revise their stories.

ENGL 2260 3 CA CW: Writing Short Fiction  TBA  TBA  OL  Craggett,
23214  

Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online - Canvas.

ENGL 2270 3 CA CW: Intro to Writing  1030 - 1145  TR  EH323  Wilkinson,
24409  

Full Semester

ENGL 2510 3 HU/DV Masterpieces of Lit  1200 - 1315  TR  EH215  Vause, Sarah
22074  

Full Semester

An introduction to select masterworks, selected from a diverse range of authors from various cultures and historical periods. Students will develop the critical and interpretive skills necessary to analyze various genres (fiction, drama, and poetry) and to reflect on the nature of literary excellence. Course includes relevant practice in the principles of successful writing, including, drafting, revising, and editing.

ENGL 2750 3 HU - Fairy Tales in Literature  1130 - 1220  MWF  EH220  Shigley, Sally
22075  

Full Semester
This variable topics course focuses on topics and ideas in the humanities. The course may consider social, political, artistic, environmental, or philosophical themes across disciplines. Students will learn the critical skills necessary to identify the intellectual currents in the texts under consideration, to engage in focused discussion and to probe the various intentions of any act of writing.

ENGL 2750 3 HU - Songwriting 1730 - 2010 R EH316 Pollett, William
22077 Full Semester

This variable topics course focuses on topics and ideas in the humanities. The course may consider social, political, artistic, environmental, or philosophical themes across disciplines. Students will learn the critical skills necessary to identify the intellectual currents in the texts under consideration, to engage in focused discussion and to probe the various intentions of any act of writing.

ENGL 2830 1 Directed Readings TBA TBA
22078 Full Semester

ENGL 2830 2 Directed Readings TBA TBA
22079 Full Semester

ENGL 2830 3 Directed Readings TBA TBA
22080 Full Semester

ENGL 3020 3 Intro to Study of Language 1030 - 1120 MWF EH218 Otero, Jose
22081 Full Semester

Must take ALL 4 Methodology Block classes together: 3400 (22208); 3410 (22209) and 3420 (22212).

ENGL 3040 3 History of English Language 1200 - 1315 TR EH204 McKay, Susan
22082 Full Semester

This course begins by introducing the elementary vocabulary and concepts of linguistic theory as these pertain to historical linguistics. It then traces the prehistory of English from its beginnings in Indo-European, through its place in the Germanic branch, to its historical phases of Old, Middle, and Early Modern English. Attention may also be given to national varieties of English and the development of English as a world language.

ENGL 3050 3 Grammar/Style/Usage in Adv 0900 - 1015 TR EH215 Conrad,
22083 Full Semester

English 3050 presents the concepts and nomenclature of traditional grammar as a context for students wishing to increase their control of punctuation, style, and usage in order to become more proficient writers. Its purpose is to offer practical guidance in how grammatical concepts can be applied to revising and editing one's own or others' writing to more effectively express one's intended meaning. The course is offered to all English majors and minors as a means of fulfilling the language requirement for the major, especially those in technical writing, as well as students in communication, pre-law, and criminal justice.

ENGL 3080 3 Critical Approaches to Literat 1330 - 1445 TR EH316 Petersen, Emily
22084 Full Semester

Students will study and practice critical approaches to literature. The course will begin with New Criticism and proceed to study more resistant reading strategies such as feminism, Marxism, and deconstruction. Students will not only learn the theoretical premises behind these theories, but also practice explicating various texts from a particular critical perspective. Primarily for English majors and minors. Recommended to take early in major.

ENGL 3080 3 Critical Approaches to Literat 1330 - 1420 MWF EH220 Shigley, Sally
22085 Full Semester

Students will study and practice critical approaches to literature. The course will begin with New Criticism and proceed to study more resistant reading strategies such as feminism, Marxism, and deconstruction. Students will not only learn the theoretical premises behind these theories, but also practice explicating various texts
Students will study and practice critical approaches to literature. The course will begin with New Criticism and proceed to study more resistant reading strategies such as feminism, Marxism, and deconstruction. Students will not only learn the theoretical premises behind these theories, but also practice explicating various texts from a particular critical perspective. Primarily for English majors and minors. Recommended to take early in major.

**ENGL 3080 3** Critical Approaches to Literature  1730 - 2010  M  EH215  Panko, Julia

Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online - Canvas.

**ENGL 3100 3** Professional/Technical  0930 - 1020  MWF  EH410  Thomas,

Full Semester

This class has an online component along with faceto face sessions.

**ENGL 3100 3** Professional/Technical  1130 - 1220  MWF  EH410  Thomas,

Full Semester

This class has an online component along with faceto face sessions.

**ENGL 3100 3** Professional/Technical  TBA  TBA  OL  Petersen, Emily

Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online - Canvas.

**ENGL 3140 3** CEL Professional/Tech Editing  1200 - 1315  TR  EH410  Thomas,

Full Semester

This class has an online component along with faceto face sessions.

**ENGL 3250 3** CW: Advanced Fiction Writing  1730 - 2010  W  EH217  Griffiths, Sian

Full Semester

Students will learn advanced fiction writing skills and strategies. Whether they plan to write novels or short fiction, this class will help them develop their use of plot, character, point of view, narrative structure, setting, image, wordplay and syntax.

**ENGL 3300 3** Children's Literature  1030 - 1120  MWF  EH220  Olson, Beanor

Full Semester

Students will study the principles of literature for children with special emphasis on evaluation and selection, classroom and library use, ethnic and cultural diversity, and the development of literacy. Designed to meet the needs of teachers, those preparing to teach and those who work with children in various settings.

**ENGL 3300 3** Children's Literature  1230 - 1320  MWF  EH403  Van Deventer,

Full Semester

Students will study the principles of literature for children with special emphasis on evaluation and selection, classroom and library use, ethnic and cultural diversity, and the development of literacy. Designed to meet the needs of teachers, those preparing to teach and those who work with children in various settings.
ENGL 3300 3  Children's Literature  1330 - 1420  MWF  EH403  Van Deventer,
22203  Full Semester

Students will study the principles of literature for children with special emphasis on evaluation and selection, classroom and library use, ethnic and cultural diversity, and the development of literacy. Designed to meet the needs of teachers, those preparing to teach and those who work with children in various settings.

ENGL 3365 3  CW: Novel Forms & Craft  0900 - 1015  TR  EH220  Craggett,
22204  Full Semester

This class asks students to experiment with form and structure within the genre of novel writing to understand how narrative shape affects the reader's experience.

ENGL 3380 3  CW: Screenwriting  1330 - 1620  M  EH217  Griffiths, Sian
22206  Full Semester

This class examines screenwriting form. Students will write their own original screenplay(s) in this form.

ENGL 3400 3  Teaching Of Literature  1030 - 1145  TR  EH218  Call, Christy
22208  Full Semester

Must take ALL 4 Methodology Block classes together: 3020(22081); 3410(22209) and 3420(22212).

ENGL 3410 3  CEL Teaching of Writing  0900 - 1015  TR  EH218  Wilkinson,
22209  Full Semester

Must take ALL 4 Methodology Block classes together: 3020(22081); 3400(22208) and 3420(22212).

ENGL 3420 3  Teaching with Young Adult  0930 - 1020  MWF  EH218  Van Deventer,
22212  Full Semester

Must take ALL 4 Methodology Block classes together: 3020(22081); 3400(22208) and 3410(2209).

ENGL 3500 3  HU Intro to Shakespeare  1030 - 1120  MWF  EH215  Hartwig, David
22221  Full Semester

This class is an introduction designed to foster a critical appreciation of the plays of Shakespeare. The class is intended for students who are fulfilling General Education credit, studying theater, or planning to teach. Students can expect to study at least one comedy, one tragedy, and one history play in this course.

ENGL 3500 3  HU Intro to Shakespeare  1730 - 2010  R  EH403  Burrows,
22231  Full Semester

This class is an introduction designed to foster a critical appreciation of the plays of Shakespeare. The class is intended for students who are fulfilling General Education credit, studying theater, or planning to teach. Students can expect to study at least one comedy, one tragedy, and one history play in this course.

ENGL 3510 3  HU/DV World Literature  1030 - 1145  TR  EH317
22233  Full Semester

This is a selection of masterworks from a variety of authors, regions, and eras -- expressly to introduce diverse literatures other than British and American. The required readings may vary considerably from semester to semester, according to the instructors’ expertise.

ENGL 3520 3  HU Literature of Natural  1200 - 1315  TR  EH218  Call, Christy
22173  Full Semester

This course engages literary texts that focus on humans in relation to their natural environment. Conceived as a survey course, it attempts to delineate the various traditions of environmental concern, from the ancient past to the present, and to draw attention to the ongoing relevance of such texts. Students will learn how to read closely and carefully, and how to make such literature meaningful for their own daily lives.

ENGL 3610 3  American Literature I  1230 - 1320  MWF  EH317  Schweibert,
22239  Full Semester

This course will introduce students to the study of American Literature from its earliest known works to those
produced prior to the American Civil War. We will examine its history, major works, and literary concepts.

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<th>Course Code</th>
<th>Course Title</th>
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<td></td>
<td>This course will introduce students to the study of American Literature from the American Civil War to the contemporary period. We will examine its history, major works, and literary concepts.</td>
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<td>This class consists of an online component along with face-to-face sessions.</td>
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<td>This variable topics course examines literature cultures and nations beyond England and America. Students will be introduced to the ways in which texts are closely tied to the geographical and cultural space as well as the historical movement from which they emerge. The course may focus on a single national culture or, alternately, offer representative works from various cultures. It may be taken more than once with different designations.</td>
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<td>This variable topics course focuses on various themes in cultural and media studies. Students will learn the critical skills necessary to identify the intellectual currents in the texts under consideration, to engage in focused discussion, and to probe the various intentions of any text. It may be taken a total of 3 times (for a maximum of 9 credits) with different designations.</td>
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<td>Controlled experience in tutoring students in all disciplines. This course is only for people who are actually employed as a tutor.</td>
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<td>This variable topics course focuses on specific issues in the ever-evolving field of professional and technical writing. Recent issues include indexing, professionalization, theoretical approaches, and discipline-specific emphases such as writing in the sciences and writing for the Web. It may be taken more than once with different designations. Prerequisite: ENGL 3100</td>
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Thermodynamic properties, equations of state, first and second laws of thermodynamics. Analysis of open and closed systems, availability and irreversibility, power and refrigeration cycles.

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This course focuses on helping novice-low English language learners to communicate using basic words and phrases.

ESL 0035 2
Speaking & Listening Level II 1430 - 1520 MTWR EH250 Goff, Yulia
Block 2

This course focuses on helping novice-mid English language learners to communicate using basic words and phrases.

ESL 0040 2
Grammar Level I 0930 - 1020 MTWR EH250 Barrera, Maria
Block 1

In this course, novice-low English language learners focus on the forms and meaning of the simple present tense and other basic grammar concepts.

ESL 0045 2
Grammar Level II 1330 - 1420 MTWR EH250 Hudson, Amy
Block 2

The focus of this course for novice-mid English language learners is on forms and meaning of the present progressive tense and other basic grammar concepts.

ESL 0050 1
Pronunciation Level I 1030 - 1120 TR EH250 Barrera, Maria
Block 1

This pronunciation course for novice-low English language learners focuses on the basic components of the English sound system.

ESL 0055 1
Pronunciation Level II 0930 - 1020 MW EH250 Thomas, Erin
Block 2

This pronunciation course for novice-mid English language learners focuses on the basic components of the English sound system.

ESL 0110 2
Writing Level III 0830 - 0920 MTWR EH315 Barrera, Maria
Block 1

This writing course for intermediate-low English language learners focuses on writing short paragraphs.

ESL 0120 2
Reading Level III 1230 - 1320 MTWR EH315 Curtis, Giana
Block 1

This reading course focuses on developing reading skills and building vocabulary through reading and understanding non-academic fiction books that have been adapted for mid-intermediate English language learners.

ESL 0130 2
Speaking & Listening Level III 0930 - 1020 MTWR EH315 Hudson, Amy
Block 1

The focus of this course is for intermediate-low English language learners to communicate in simple social situations.

ESL 0141 2
Grammar Level III 1030 - 1120 MTWR EH315 Hudson, Amy
Block 1

This grammar course for intermediate-low English language learners focuses on forms and meaning of the future and past tenses, as well as basic noun and article usage.

ESL 0150 1
Pronunciation Level III 1330 - 1420 MW EH315 Hudson, Amy
Block 1

In this course, intermediate-mid English language learners focus on pronunciation features at the word and sentence level.

ESL 1210 2
Writing Level IV 1330 - 1420 MTWR EH315 Curtis, Giana
Block 2
The focus of this intermediate-mid course for English language learners is longer paragraph development.

ESL 1220 2 Reading Level IV 1230 - 1320 MTWR EH315 Curtis, Giana
Block 2

This reading course focuses on developing academic reading skills and building academic vocabulary through reading simplified academic text adapted for intermediate-mid English language learners.

ESL 1230 2 Speaking & Listening Level IV 0930 - 1020 MTWR EH315 Hudson, Amy
Block 2

The focus of this course is for intermediate-mid English language learners to communicate in simple social situations.

ESL 1241 2 Grammar Level IV 1030 - 1120 MTWR EH315 Hudson, Amy
Block 2

In this course, intermediate-mid English language learners focus on modal verbs, the present perfect tense, and adjective clauses.

ESL 1250 1 Pronunciation IV 1430 - 1520 MW EH315 Hudson, Amy
Block 2

This course familiarizes students with rhythm, intonation, emphasis, and phrasing in spoken English.

ESL 2310 2 Writing Level V 0930 - 1020 MTWR EH107 Curtis, Giana
Block 1

In this course, intermediate-high level English language learners are introduced to essay writing.

ESL 2320 2 Reading Level V 0830 - 0920 MTWR EH107 Sheridan
Block 1

The focus of this course for English language learners is on reading and understanding academic texts modified to an intermediate-high level.

ESL 2330 2 Speaking & Listening Level V 1330 - 1420 MTWR EH107 Curtis, Giana
Block 1

This intermediate-high speaking and listening class for English language learners focuses on building students' skills of listening, note-taking, vocabulary building, and speaking.

ESL 2341 2 Grammar Level V 1030 - 1120 MTWR EH107 Curtis, Giana
Block 1

The focus of this grammar course for high-intermediate English language learners is the meaning and usage of the past and future perfect verb tenses, the passive voice, and noun clauses.

ESL 2351 1 CEL Community Level V 0900 - 1120 F EH107 Barrera, Maria
Block 1

This is a community-based, project-driven course that is designed to give students the opportunity to develop English language skills with emphasis on written and oral communication, small group discussion, interaction with community members, as well as developing academic speaking and listening skills.

ESL 2410 2 Writing Level VI 1230 - 1320 MTWR EH107 Barrera, Maria
Block 2

In this course, advanced-low English language learners focus on writing essays on academic topics.

ESL 2420 2 Reading Level VI 1030 - 1120 MTWR EH107 Curtis, Giana
Block 2

This low-advanced level reading course focuses on developing academic reading skills and building academic vocabulary through reading slightly modified academic texts.
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This speaking and listening course focuses on helping low-advanced English language learners express, defend, and support opinions.

The focus of this grammar course for mid-advanced English language learners is understanding the meaning and usage of gerunds and infinitives, particles, conditionals, and modal verbs, and a review of past and future perfect verbs, passive voice, and noun clauses.

This is a community-based, project-driven course that is designed to give students the opportunity to develop English language skills with emphasis on written and oral communication, small group discussion, interaction with community members, as well as developing academic speaking and listening skills.

Designed to orient and acquaint students with the goals, objectives, scope, professional preparation, career opportunities, and trends in human performance management professions.

Skills and competencies for prospective health fitness instructors, personal fitness trainers, and nutrition educators to deliver preventive exercise programs.

Open to all students in Human Performance Management and Physical Education who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

Open to all students in Human Performance Management and Physical Education who meet the minimum Cooperative Work Experience requirements of the department. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

This course is a detailed study of muscles, nerves, bones, and joints as they are involved in the science of movement. It is designed for students to experience theoretical concepts and apply functional anatomy knowledge to the execution and improvement of human performance.

A study of the musculomechanical bases of human movement and experience in applying that knowledge to the execution and evaluation of human performance.
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<td>Cooperative Work Experience</td>
<td>1</td>
<td>Full</td>
<td>W</td>
<td>1330 - 1420</td>
<td>SW238</td>
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<td>Full</td>
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<td>SW238</td>
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A continuation of PEP 2890.

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<tbody>
<tr>
<td>ESS 4990 1</td>
<td>Senior Seminar</td>
<td>0930 - 1020 W</td>
<td>SW231</td>
<td>Hanaki, Saori</td>
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For Seniors only. Structured seminar focuses on synthesis of ideas and portfolio preparation.

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
<th>Timeslots</th>
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<tbody>
<tr>
<td>FIN 1010 3</td>
<td>Personal Finance</td>
<td>TBA TBA OL</td>
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Personal and family budgeting, installment buying, borrowing money, buying a home, life and property insurance, personal investment, and retirement and estate planning.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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Personal and family budgeting, installment buying, borrowing money, buying a home, life and property insurance, personal investment, and retirement and estate planning.

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<td>WB121</td>
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</table>

Financial analysis, planning and control, working capital management, capital budgeting, and short-term and long-term financing. Student use of computers is required for the preparation of case study material used to enhance the presentation of selected topics presented in the course.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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<tr>
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Financial analysis, planning and control, working capital management, capital budgeting, and short-term and long-term financing. Student use of computers is required for the preparation of case study material used to enhance the presentation of selected topics presented in the course.

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Financial analysis, planning and control, working capital management, capital budgeting, and short-term and long-term financing. Student use of computers is required for the preparation of case study material used to enhance the presentation of selected topics presented in the course.

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<td>Investments</td>
<td>1330 - 1445 TR</td>
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An in-depth study of principles, concepts, and tools used in the investment field as they relate to investment opportunities, mechanics, financial statement analysis, risk, and portfolio management. Computer use is required to access the Dow-Jones market analyzer investment software and in the preparation and analysis of investment portfolios.

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<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>FIN 3350 3</td>
<td>Financial Institutions</td>
<td>1730 - 2010 W</td>
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A study of the functions and significance of the major financial institutions, such as commercial savings institutions, with an emphasis on management problems, regulations, credit appraisal, and loan types.

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Timeslots</th>
<th>Days</th>
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<th>Instructor</th>
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<tbody>
<tr>
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<td>Capital Budgeting</td>
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<td>WB119</td>
<td>Turner, James</td>
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Capital investment decision-making procedures relative to make/buy, lease/buy, working capital, replacements, and new investment decisions. Involves use of the computer in the analysis of cash flows and capital acquisition alternatives.

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Timeslots</th>
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Problems in financial management with an emphasis on corporate finance. Use of financial software and computers is an integral part of problem solutions.
<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
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<th>Time</th>
<th>Location</th>
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<tr>
<td>FIN  4860 3</td>
<td>Finance Internship</td>
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<tr>
<td>22523</td>
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<td><strong>A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through finance courses.</strong></td>
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<tr>
<td>FL  2410 3</td>
<td>Introduction to Localization</td>
<td>1730 - 2010</td>
<td>R</td>
<td>EH408</td>
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<td>24387</td>
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<tr>
<td>FL  3430 3</td>
<td>Translation Technology</td>
<td>1730 - 2010</td>
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<tr>
<td>FL  4990 0.5</td>
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<tr>
<td>FROH 1010 3</td>
<td>First Semester French</td>
<td>0930 - 1020</td>
<td>MWF</td>
<td>EH105</td>
<td>Jones, Aubrey</td>
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<tr>
<td>23042</td>
<td>Full Semester</td>
<td><strong>Introductory course assuming no significant previous experience with the language.</strong></td>
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<tr>
<td>FROH 1010 3</td>
<td>First Semester French</td>
<td>1230 - 1320</td>
<td>MWF</td>
<td>EH105</td>
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<tr>
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<td><strong>Introductory course assuming no significant previous experience with the language.</strong></td>
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<td>FROH 1010 3</td>
<td>First Semester French</td>
<td>0830 - 0920</td>
<td>MWF</td>
<td>EH105</td>
<td>Jones, Cynthia</td>
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<tr>
<td>24345</td>
<td>Full Semester</td>
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<tr>
<td>FROH 2010 3</td>
<td>Third Semester French</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>EH105</td>
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<tr>
<td>23045</td>
<td>Full Semester</td>
<td><strong>Students learn and apply strategies for acquiring a foreign language. The process of foreign language acquisition reflects how humans learn, think and communicate. This course assumes completion of first-year or equivalent experience.</strong></td>
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<tr>
<td>FROH 3000 3</td>
<td>Proficiency Development</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>EH105</td>
<td>Jones, Aubrey</td>
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<tr>
<td>23047</td>
<td>Full Semester</td>
<td><strong>This is a transition course to upper division. The course focuses on oral proficiency development. Students will learn a variety of techniques and strategies to increase their oral proficiency in a variety of social, educational and cultural settings. Native-speaking students or those who have acquired proficiency through residence in the target language community are not eligible to take this class.</strong></td>
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<tr>
<td>FROH 3570 3</td>
<td>French through Music</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>EH105</td>
<td>Jones, Aubrey</td>
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<tr>
<td>23046</td>
<td>Full Semester</td>
<td><strong>In-depth studies in culture, history, geography, social customs, fine arts and civilization. May be repeated for other non-English speaking cultures.</strong></td>
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<tr>
<td>FROH 3690 3</td>
<td>Gothic Marriage</td>
<td>1330 - 1445</td>
<td>TR</td>
<td>EH403</td>
<td>Sprenger,</td>
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<tr>
<td>23532</td>
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</table>
This course is content, vocabulary and culture-based. The course focuses on practical vocabulary, idiomatic expressions, professional terminology and cultural interactions on a variety of topics such as language for the medical professions, social workers, law enforcement or tourism.

The causes, distribution, and effects of earthquakes and volcanoes within the framework of global plate tectonics. Development of problem solving and analytical thinking skills are emphasized through homework assignments related to geologic processes. Three lectures per week.

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To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>GEO 1030 3</td>
<td>PS Earthquakes &amp; Volcanoes</td>
<td>TBA</td>
<td>TBA</td>
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<td>Summers, Sara</td>
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<td>GEO 1030 3</td>
<td>PS Earthquakes &amp; Volcanoes</td>
<td>0830 - 0920</td>
<td>MWF</td>
<td>LL124</td>
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<td>GEO 1030 3</td>
<td>PS Earthquakes &amp; Volcanoes</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>TY211</td>
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<tr>
<td>GEO 1030 3</td>
<td>PS Earthquakes &amp; Volcanoes</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>LL124</td>
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<tr>
<td>GEO 1060 3</td>
<td>PS Environmental</td>
<td>0900 - 1015</td>
<td>TR</td>
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<td>GEO 1060 3</td>
<td>PS Environmental</td>
<td>1730 - 2010</td>
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<tr>
<td>GEO 1110 3</td>
<td>PS Dynamic Earth: Physical</td>
<td>0830 - 0920</td>
<td>MWF</td>
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<td>Yonkee</td>
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<tr>
<td>GEO 1110 3</td>
<td>PS Dynamic Earth: Physical</td>
<td>1130 - 1220</td>
<td>MWF</td>
<td>TY211</td>
<td>Yonkee</td>
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<td>GEO 1115 1</td>
<td>PS Physical Geology Lab</td>
<td>1330 - 1620</td>
<td>T</td>
<td>TY211</td>
<td>Summers, Sara</td>
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<td>21696</td>
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</table>
GEO 1115 1   PS Physical Geology Lab  1330 - 1620  W  TY211  Matty, David
21697  
Full Semester  
The study of minerals and rocks in hand specimens, as well as surficial processes of the Earth revealed by topographic maps and air photos. One three-hour lab per week.

GEO 1220 4   Historical Geology  0930 - 1020  MVF  TY211  Summers, Sara
21698  
Full Semester  
The history of the Earth and the methods used to interpret this history. Short field trips required.

GEO 2050 4   Earth Materials  1030 - 1145  TR  TY211  Matty, David
21699  
Full Semester  
An introduction to the origin, classification, and identification of minerals and rocks including topics related to crystallography, mineral chemistry, petrology, and the importance of mineral and rock resources to our society. Three lectures and one three-hour laboratory per week.

GEO 2600 1   Laboratory Safety  1230 - 1320  M  LL130  Wachocki,  
21702  
Full Semester  
An interdisciplinary, team-taught course that will be an overview of the major chemical, biological and physical safety issues related to science laboratories and field work. Class will meet once per week and will be taught in a lecture/demonstration format.

GEO 3060 4   Structural Geology  0930 - 1020  MVF  TY217  Yonkee,  
21703  
Full Semester  
Origin and characteristics of structural features in deformed rock. Topics include basic principles of stress, strain, and rock deformation; analysis of faults and folds; and relations to major tectonic features of Earth. Field trips required. Three lectures and one three-hour lab per week.

GEO 3080 4   Applied Hydrology  1030 - 1145  TR  TY127  Matyjasik,  
21706  
Full Semester  
A detailed examination of Earth's water cycle, including precipitation, surface water, groundwater, water management, and water conservation. Three hours of lecture and three hours of laboratory per week.

GEO 3150 4   Geomorphology  1030 - 1120  MVF  TY217  Ford, Rick  
21707  
Full Semester  
A study of landforms, surficial deposits, and geomorphic processes operating in fluvial, coastal, eolian, and glacial environments. Laboratory exercises employ maps, aerial photographs, and field analysis to understand the interactive nature of geomorphic processes and landform development. Three lectures and one three-hour lab per week.

GEO 3710 4   Intro to GIS  0900 - 1015  TR  TY127  Hernandez,  
21708  
Full Semester  
This introductory geospatial course presents the fundamental principles and applications of Geographic Information Systems (GIS). You will learn how to evaluate and apply geospatial concepts using industry-leading GIS software to create, store, edit, evaluate, and query raster- and vector-based geospatial data. Successful completion of this course will ensure you have the critical knowledge and skills of a GIS (geospatial) technician. Prerequisite: none.

GEO 3840 4   Remote Sensing: Princ &  1200 - 1315  TR  LH343  Hernandez,  
21710  
Full Semester  
This is an advanced geospatial course that introduces and analyzes important concepts, issues, and methods related to a variety of multispectral and other types of remotely sensed imagery (e.g., satellite and airborne platforms). The major objectives are to provide students with both a foundation in understanding different types of imagery and how to process imagery used to address geospatial problems and issues. After successful completion of this course, you will have the knowledge needed to understand different types / applications of imagery and the skills needed to process the image data and assess the accuracy of the results.
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A capstone course in the collection and analysis of field data for various Geoscience applications. Topics include introductory surveying, geologic mapping of bedrock and surficial deposits, measuring stratigraphic sections, GPS surveying, groundwater monitoring, and analysis of geologic hazards. Results are presented in maps, computer graphics, written reports, and oral presentations. One hour of lecture and six hours of lab/field work per week.

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A survey of groundwater hydrology, including the origin, occurrence, behavior, and use of groundwater and the transport of groundwater and soil contaminants. Environmental site assessment and groundwater remediation are also examined. Three hours of lecture and three hours of laboratory per week.

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Acquaintance and practice with various teaching and assessment methods. Development of science curricula including lesson and unit plans. It is recommended that this course be completed immediately before student teaching.

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An opportunity to examine in depth topics in the Geosciences not regularly offered as part of the standard course offerings. The specific title and credit authorized will appear on the student transcript. The course may be repeated for credit.

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City of Rocks Sept 19-22, $70 cost
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<td>3</td>
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<td>1030 - 1120</td>
<td>MWF</td>
<td>LH054</td>
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<td>A study of physical, psychological, social-psychological, and social dimensions of aging and the application of principles and strategies to facilitate adaptation to aging. Emphasis is placed on methods of gathering knowledge, the current knowledge base, and strategies for adaptation in the later stages of life cycle.</td>
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<td>Death And Dying</td>
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<td>Full Semester</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>LH001</td>
<td>Segovia-</td>
<td>An in-depth study of death, death-related issues and social institutions and practices dealing with death in American society, with special emphasis on the social processes surrounding death and constructive responses to death and dying.</td>
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<td>GERT 3120</td>
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<td>Aging: Adaptation &amp; Behavior</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1220</td>
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<td>LH104</td>
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<td>An examination of the physical and psychological processes of aging. The emphasis is upon behavioral and social adaptation to these processes.</td>
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<td>Ethnicity &amp; Older Women</td>
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<td>0900 - 1015</td>
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<td>LH112</td>
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<td>The importance of special populations (ethnic, racial and women) as they relate to the aging process.</td>
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<td>Full Semester</td>
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<td>LH202</td>
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<td>3</td>
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<td>TBA</td>
<td>TBA</td>
<td>OL</td>
<td>Kennedy</td>
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<td>0830 - 0920</td>
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<td>LH202</td>
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<td>Societal Responses to Aging</td>
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</table>

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.
This course is designed to cover aspects of retirement relating to job change or discontinuance. The processes, events, social roles, and phases of life will be presented.

GERT 4830 2  Readings and/or Projects  TBA  TBA  Bigler, Mark
20493  
Individual readings and/or projects for the senior Gerontology major (with the approval of the instructor) with a maximum of four (4) credit hours possible.

GERT 4830 3  Readings and/or Projects  TBA  TBA  Bigler, Mark
20494  
Individual readings and/or projects for the senior Gerontology major (with the approval of the instructor) with a maximum of four (4) credit hours possible.

GERT 4830 4  Readings and/or Projects  TBA  TBA  Bigler, Mark
20495  
Individual readings and/or projects for the senior Gerontology major (with the approval of the instructor) with a maximum of four (4) credit hours possible.

GERT 4860 2  Introductory Field Practicum  1430 - 1540  M  LH222  Vigil, Steven
20496  
Introductory experience in the world of work in a gerontology setting whereby the student might develop, test, and use knowledge derived from classroom experiences (90 hours at approved agency).

GERT 4861 2  Advanced Field Practicum  1430 - 1540  M  LH222  Vigil, Steven
20500  
Advanced experience in the world of work in a gerontology setting whereby the student might develop, test, and use knowledge derived from classroom experiences (90 hours at approved agency).

GERT 4862 2  Specialized Field Practicum  1430 - 1540  M  LH222  Vigil, Steven
20497  
Specialized experience in the world of work in a gerontology setting whereby the student might develop, test, and use knowledge derived from classroom experiences (90 hours at approved agency).

GERT 4990 2  Senior Seminar  1545 - 1720  M  LH222  Vigil, Steven
20499  
Preparation and discussion of gerontology concepts and topics. Information and techniques for obtaining a job and selecting a graduate school.

GRMN 1010 3  First Semester German  0830 - 0920  MWF  EH104  Peckenpaugh,
23049  
Introductory course assuming no significant previous experience with the language.

GRMN 1010 3  First Semester German  0930 - 1020  MWF  EH104  Peckenpaugh,
23050  
Introductory course assuming no significant previous experience with the language.

GRMN 1010 3  First Semester German  1230 - 1320  MWF  EH118  Hart, Heidi
24369  
Introductory course assuming no significant previous experience with the language.

GRMN 2010 3  Third Semester German  1030 - 1120  MWF  EH104  Peckenpaugh,
23051  
Students learn and apply strategies for acquiring a foreign language. The process of foreign language acquisition reflects how humans learn, think and communicate. This course assumes completion of first-year or equivalent experience.
GRMN 3550 3 Culture of Austria & Germany 0900 - 1145 TR EH116
Block 1
Studies in culture, history, geography, social customs, fine arts and civilization. May be repeated for other non-English-speaking cultures.

GRMN 3570 3 German Through Media 1130 - 1220 MWF EH104 Pecknapp, Full Semester
In-depth studies in culture, history, geography, social customs, fine arts and civilization. May be repeated for other non-English speaking cultures.

HAS 3000 3 The Health Care System 1430 - 1710 T IE107 Cottle, Brian
Full Semester
A study of the U.S. healthcare system to help students understand the critical issues facing healthcare in its ever-changing environment and to gain a sense of the complex multidimensional nature of healthcare delivery in the United States.

HAS 3000 3 The Health Care System TBA TBA OL Cassel, Full Semester
A study of the U.S. healthcare system to help students understand the critical issues facing healthcare in its ever-changing environment and to gain a sense of the complex multidimensional nature of healthcare delivery in the United States.

HAS 3010 3 Professionalism in Healthcare 1730 - 2010 M IE207 Garr, Lindsay
Full Semester
This course explores a variety of topics to develop a stronger sense of professionalism for healthcare managers. Topics include business and social etiquette, self-assessment, professional deportment, networking, effective communication skills, and dressing professionally.

HAS 3020 3 Health Care Marketing TBA TBA OL Garr, Lindsay Full Semester
This course outlines the application of marketing principles to health care organizations and the public health arena. Students will apply those principles in the development of a marketing plan.

HAS 3150 3 Com Health Agencies & 1430 - 1710 M IE107 Johnson, Ken Full Semester
An overview of public and community health including history, management, prevention and epidemiology of disease. Emphasis on the role of community and government health agencies regarding health promotion and disease prevention activities.

HAS 3190 3 Cultural Diversity in Patient TBA TBA OL Johnson, Ken Full Semester
This course is an introduction to patient or client education skills and theory. It also focuses on health traditions of culturally diverse clients and how those traditions must be considered during effective patient education. In particular, the course will move from the general health traditions of world populations and religions, to the more specific behaviors and expectations of U.S. populations. Gender, age, and class will all be considered in the studies.

HAS 3230 3 Health Communication 1430 - 1710 W IE207 Moss, Cory Full Semester
A broad examination of communication theory, application, and research in health care delivery and management. Examines many different levels and channels of communication including the development and application of interpersonal communication, small group communication and teamwor, organizational
A broad examination of communication theory, application, and research in health care delivery and management. Examines many different levels and channels of communication including the development and application of interpersonal communication, small group communication and teamwork, organizational communication, communication ethics, leadership, and motivation skills in dealing with health care providers, staff, and consumers in a variety of health care environments. Cross-listed with COMM 3230.

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Study of human resource principles and practices in Health Care facilities. The general topics include: job analysis and work flows, compensation, recruitment and selection, performance appraisals, discipline, legal environment, unions, safety and health.

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<td>HAS 3240 3</td>
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Basic theories and concepts of management. Emphasis is on individual and group behavior, interpersonal skills, decision making, leadership theory, planned change, motivation, teamwork, organizational design and culture within the context of the health care organization.

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<td>HAS 3260 3</td>
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This course is designed to build upon the concepts introduced in basic accounting courses and develop proficiency in applying administrative financial techniques in health care decision making.

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<td>HAS 3270 3</td>
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Covers the fundamentals of group practice and ambulatory care management. Includes leadership, planning, marketing, IT, business operations, physician/hospital relationships, and basic principles of management applied to the out-patient setting. This is an elective course for HAS students.

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Discussion and analysis of the economic models controlling healthcare markets with subsequent investigation of the complex federal, state, and local policies and policymaking processes which result from these models in U.S. healthcare systems.

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Review of legal responsibilities of physicians, other healthcare workers, and healthcare institutions and means by which health-related laws and regulations are developed and implemented. Issues involved in healthcare professional ethics are discussed and evaluated.

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Designed to provide individuals with the skills necessary for the preparation, planning and evaluation of instruction. The Philosophy, theory, and effective methods and techniques of teaching the adult learner.

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A capstone course for seniors designed to provide integration and application of theory through the use of case study analysis, competency assessment, interaction with current practitioners, individual and team projects. Students will be provided with resources to assess and enhance their competencies in the various functional areas of health administration.

HAS 4860 6 Practicum/Internship TBA TBA Moss, Cory
21195 Full Semester

Provides opportunities for observation, participation and practical application of administrative and management skills in the institutional setting. Departmental approval required.

HAS 4860 4 Practicum/Internship TBA TBA Palmer, Miland
21210 Full Semester

Provides opportunities for observation, participation and practical application of administrative and management skills in the institutional setting. Departmental approval required.

HIM 2000 3 Intro Health Info Systems/Sett TBA TBA OL Merkley,
20455 Full Semester

Introduction to the health information profession. Job duties, functions, and the professional organization are discussed. Health care settings, master patient indexes, health information documentation requirements, analysis, and deficiency management are presented.

HIM 2300 3 Diagnosis Coding TBA TBA OL Shaw, Pat
20457 Full Semester

Coding conventions and procedure using the ICD-10-CM coding system are introduced and practiced.

HIM 2320 3 Ambulatory/Physician Office TBA TBA OL Merkley,
20458 Full Semester

CPT classification, conventions and coding procedures are introduced and practiced. Abstracting medical information from health documentation for coding facility outpatients, physician and professional billing is presented, discussed and practiced.

HIM 2330 2 Healthcare Reimbursement TBA TBA OL Merkley,
20459 Full Semester

Discussion of issues parallel to or founded in the use of classification systems: Federal reimbursement systems, coding compliance, auditing, chargemaster maintenance, and revenue cycle management.

HIM 2410 2 ICD-10-PCS Coding TBA TBA OL Carter, Darcy
20460 Full Semester

ICD-10-PCS coding, conventions and guidelines are introduced and practiced. Students will gain exposure to procedure coding using the ICD-10-PCS system for hospital inpatient claims. Prereq: HIM 2300

HIM 2500 3 Healthcare Data Management TBA TBA OL Palmer, Miland
20461 Full Semester

An introduction to database monitoring, maintenance and use. Data definition, vocabularies, terminologies and dictionaries are discussed. Clinical abstracting and report writing are practiced. A working knowledge of database management is developed. The HIPAA security law, development of policies and procedures to enforce the security rule are covered.

HIM 2861 2 Professional Practice Exper TBA TBA OL Merkley,
20462 Full Semester

Student's final experience in the health care setting. Skills and learning from the classroom and laboratory are reinforced and practiced. The student observes in other health care settings. Projects assigned give the student expertise in technical functions, e.g., ICD-9-CM, CPT, and other coding systems.

HIM 2862 2 Professional Practice Mgmt TBA TBA OL Shaw, Pat
20463 Full Semester
Student's final experience in the health care setting. Skills and learning from the classroom and laboratory are reinforced and practiced. Projects assigned give the student expertise in technical functions.

HIM 2863 1 Profess Pract Exper in Profess Pract Exper in TBA TBA OL OL Carter, Darcy 20464 Full Semester

Student's final experience in the coding setting. Skills and learning from the classroom and laboratory are reinforced and practiced in a simulated setting.

HIM 3000 3 Health Informatics Health Informatics TBA TBA OL OL Merkley, TBA 20465 Full Semester

A survey of the clinical, research, and administrative applications of computers in the health care industry from which health care information is currently derived. The role of this technology and of the data collected in accomplishing the objectives and procedures of the principle functional areas in health care organizations is emphasized as are the interrelationships of the organizational units with respect to data acquisition, storage, analysis, retrieval, and use.

HIM 3200 3 Epidemiology & Biostatistics Epidemiology & Biostatistics TBA TBA OL OL Palmer, Miland 20571 Full Semester

The goals and objectives of epidemiology, its policy and procedure, and its foundation and support in health care information are the focus of this course. Investigation of an epidemic, measures of mortality, incidence and prevalence, measures of risk, biological variability, probability, screening, sampling, statistical significance, correlation, multiple regression, retrospective and prospective studies, and survival analysis are discussed. Advanced techniques for the statistical analysis of institutional case-mix and quality improvement data are presented.

HIM 3200 3 Epidemiology & Biostatistics Epidemiology & Biostatistics 1730 - 2010 T IE207 Palmer, Miland 20576 Full Semester

The goals and objectives of epidemiology, its policy and procedure, and its foundation and support in health care information are the focus of this course. Investigation of an epidemic, measures of mortality, incidence and prevalence, measures of risk, biological variability, probability, screening, sampling, statistical significance, correlation, multiple regression, retrospective and prospective studies, and survival analysis are discussed. Advanced techniques for the statistical analysis of institutional case-mix and quality improvement data are presented.

HIM 3300 3 Intro Quality Improve Hlth Car Intro Quality Improve Hlth Car 1730 - 2010 T IE107 Shaw , Pat 20577 Full Semester

Quality assessment, disease processes, risk management, and utilization review systems are presented to the student with an emphasis upon integration. TQM/CQI processes are examined and practiced.

HIM 3500 2 Biomed Research Support Biomed Research Support TBA TBA OL OL Palmer, Miland 20573 Full Semester

Design concepts and information systems used in biomedical research and investigation by drug companies, genetic engineering firms, academic institutions, and individual researchers and the support of same by health information professionals are discussed. The major national research policy-making bodies (NIH, NCHS, CDC) and their research protocols are reviewed. The student also learns what techniques and resources facilitate biomedical literature searches and how to assist a researcher in the pursuit of published information. An overview of the development, structure, and management of a health care institutional medical library is presented.

HIM 3550 3 Health Care Data Analytics Health Care Data Analytics TBA TBA OL OL Palmer, Miland 20574 Full Semester

An in depth exploration of healthcare data analytics. Application of data analytic methodologies to improve decision making, performance, healthcare quality and strategic planning will be presented and practiced. Students will become familiar with internal and external data sources in healthcare and will be able: extract data from the data source; evaluate the quality of the data; perform basic data analytics; interpret analysis; present information in a final report.

HIM 3610 3 Adv Prin of Revenue Cycle Adv Prin of Revenue Cycle TBA TBA OL OL Shaw , Pat 20575 Full Semester
Elements of the revenue cycle are reviewed. Principles of revenue cycle management are examined including: scope and management of clinical coded data, process improvement and data quality, compliance, internal and external auditing, reporting, case-mix management, and changes in revenue cycle management.

HIST 1500 3 SS World History to 1500 0730 - 0820 MWF LH102 Brower, M
20297 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 1730 - 2010 M LH050 Lewis, Greg
20301 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 0830 - 0920 MWF LH104 Brower, M
20302 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 0900 - 1015 TR LH114 Lewis, Greg
20396 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 1030 - 1145 TR LH114 Lewis, Greg
20402 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 1730 - 2010 T D03203 Nelson, Katie
21771 Full Semester
Examsines the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of world civilizations to 1500 C.E. Emphasis is global, comparative, and multi-cultural.

HIST 1500 3 SS World History to 1500 TBA TBA OL Francis, Katie
21782 Full Semester
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

HIST 1510 3 SS/DV World Hist 1500 to 0930 - 1020 MWF LH202 Richey, Jeffrey
20303 Full Semester
A survey of the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of Asia, Africa, the Americas, and Europe from 1500 to the present.

HIST 1510 3 SS/DV World Hist 1500 to 1030 - 1120 MWF LH202 Richey, Jeffrey
20304 Full Semester
A survey of the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of Asia, Africa, the Americas, and Europe from 1500 to the present.

HIST 1510 3 SS/DV World Hist 1500 to 1130 - 1220 MWF LH202 Romaniello, Jeff
20305 Full Semester
A survey of the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of Asia, Africa, the Americas, and Europe from 1500 to the present.

HIST 1510 3 SS/DV World Hist 1500 to 1230 - 1320 MWF LH202 Romaniello, Jeff
20306 Full Semester
A survey of the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of Asia, Africa, the Americas, and Europe from 1500 to the present.

**HIST 1510 3 SS/DV World Hist 1500 to 1645**

- **TR**
- **LH202**
- **Nelson, Katie**

**20415 Full Semester**

A survey of the political, social, cultural, economic, religious, scientific, and intellectual influences on the development of Asia, Africa, the Americas, and Europe from 1500 to the present.

**HIST 1510 3 SS/DV World Hist 1500 to TBA**

- **TBA**
- **OL**
- **Francis, TBA**

**21783 Full Semester**

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**HIST 1700 3 AI American Civilization**

- **0830 - 0920**
- **MMF**
- **LH022**

**20298 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **0930 - 1020**
- **MMF**
- **LH022**

**20299 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **1030 - 1120**
- **MMF**
- **LH022**

**20300 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **0830 - 0920**
- **MMF**
- **LH101**
- **Sessions, TBA**

**20380 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **0930 - 1020**
- **MMF**
- **LH101**
- **Sessions, TBA**

**20381 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **1030 - 1120**
- **MMF**
- **LH201**
- **Little, Branden**

**20383 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **1130 - 1220**
- **MMF**
- **LH201**
- **Little, Branden**

**20384 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **1230 - 1320**
- **MMF**
- **LH201**
- **Little, Branden**

**20386 Full Semester**

An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

**HIST 1700 3 AI American Civilization**

- **0900 - 1015**
- **TR**
- **LH101**
- **Dant, Sara**

**20400 Full Semester**
An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement (grade of C or better required).

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History 2000 is a one-credit course for newly declared history majors. It is designed to introduce students to different subfields within history; to familiarize them with the standard modes of researching, interpreting, analyzing, and citing historical sources; and to teach them how to build an historical argument. It is a team taught course, calling upon all of the faculty from the History Dept.

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A chronological survey of American history from Native American and European contacts through Reconstruction, 1877. Directed toward History majors, minors, and those planning to teach U.S. history. Students may fulfill the American Institutions requirement by completing this course and HIST 2710 with a grade of C or better.

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A chronological survey of American history from the Gilded Age, 1877, to the present. Directed toward History majors, minors, and those planning to teach U.S. history. Students may fulfill the American Institutions requirement by completing this course and History 2700 with a grade of C or better.

This course will look at key transformations in American cultural and intellectual history. Subjects will include the history of religion, the changing nature of political ideology, and transformations in who creates and controls entertainment, leisure and literature in American society. The course will use novels, sermons, essays, movies, museums, paintings, and music as tools for understanding American cultural life.

The ideas and issues which resulted in the 1787 Constitution. It considers two centuries of America Constitutionalism, focusing on powers and rights, and the role of the Constitution in American culture.

The evolution and practice of Western science from origins to contemporary ideas.

A study of the historic preservation movement in the United States including the history and evolution of the movement, theoretical origins, current conditions and laws, organizational framework and design philosophies.

The colonial origins of the United States to 1763.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

Explores the history of the Trans-Mississippi West region of the United States from 1500 to the 1890s. The course considers the varied experiences of its peoples and the myth of the West in American culture.

A study of Utah history from its Native American beginnings to the present, emphasizing political, economic, and social developments.

A survey of Europe during the Middle Ages emphasizing the religious, political, and cultural institutions shaping this period.
A survey of European history from the fall of Napoleon to the beginning of the First World War. The course will focus on the lingering impact of the political and economic revolutions of the late eighteenth century on the politics, culture, and social development of the nineteenth. Major consideration will be given to liberalism, romanticism, socialism, nationalism, imperialism, industrialization, science, and the rise of mass society.

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When offered will focus on a specific and detailed subject in global or comparative history. Students may repeat this course for credit when the topic offered is substantially different than the previous class.

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new professional skills. Six hours of internship are required for the Public History Emphasis.

HIST 4860 6 Internship in Historical Study TBA TBA MacKay, Full Semester

Open to all students. Faculty supervised off-campus internships in public history institutions. Each internship is individually established and provides students with practical experience and the opportunity to apply and learn new professional skills. Six hours of internship are required for the Public History Emphasis.

HIST 4860 6 Internship in Historical Study TBA TBA MacKay, Full Semester

HIST 4985 3 Historical Research & 1230 - 1510 W LH216 MacKay, Full Semester

This course teaches research and writing skills and is designed to prepare History students for History 4990. Students will learn how to find a research topic, develop a thesis, identify primary sources, cite those sources, and prepare a research proposal. The course will expose students to models of good historical writing and argumentation which will serve as models for their own writing.

HIST 4990 3 Senior Seminar 1330 - 1610 R LH264 Rives, Nathan Full Semester

A seminar for History majors requiring the completion of an extensive thesis project.

HLTH 1030 3 SS Healthy Lifestyles 0930 - 1020 MW SW225 Hunter, Full Semester

A systematic approach to promote health enhancing behaviors related to the prevention of disease and achievement of optimal health. Focuses on the total person with a consideration of the mental, emotional, intellectual, social, physical, and environmental dimensions which impact human health.

HLTH 1030 3 SS Healthy Lifestyles TBA TBA OL Eisenbarth, Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

HLTH 1110 3 Stress Management 1030 - 1145 TR SW225 Olpin, Michael Full Semester

An introductory course focusing on the causes of stress, recognizing personal stressors and life change management for stress control.

HLTH 1110 3 Stress Management TBA TBA OL Olpin, Michael Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

HLTH 2400 3 Mind/Body Wellness 0900 - 1015 TR SW225 Olpin, Michael Full Semester

Promotion of emotional wellness and understanding the body, mind, spirit connection. Required by the Utah State Board of Education for endorsement in health education.

HLTH 2700 3 Consumer Health TBA TBA OL Olpin, Michael Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

HLTH 3000 3 Foundations of Hlth TBA TBA OL Eisenbarth, Full Semester

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<td>The course provides a comprehensive overview of theories and models that explain and modify health behaviors. The models and theories are viewed from a multidisciplinary perspective and are applied to health behaviors among both normal and special populations.</td>
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<td>A survey course of the biomedical and psychosocial forces which shape our sexuality. The focus will be upon the scholarly study of the biological, social, psychological, and spiritual dimensions of human sexuality.</td>
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<td>Wellness coaching provides a highly effective and focused approach towards improving people's individual health habits and involves coaching people towards achieving their personal, health, and wellness goals. Students with an interest in wellness coaching will gain a broad overview of the field including an introduction to the application of wellness coaching tools, theory, concepts and techniques.</td>
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<td>A comprehensive study or project in the field of Health Education. Hours to be arranged for seniors only.</td>
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Work experience which applies prior academic learning in a supervised setting.

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.
HNRS 3900  3  Diagnosing Disease  1430 - 1545  TR  LI325  Moore, Scott

Full Semester

Varied topics as described in the semester schedule; topics will be drawn from disciplines across the entire campus; may be taken more than once with different course content.

HNRS 3900  3  From Brain to Behavior  1030 - 1120  MWF  LH111  Sw een, Molly

Full Semester

Varied topics as described in the semester schedule; topics will be drawn from disciplines across the entire campus; may be taken more than once with different course content.

HNRS 4920  3  Leadership & Shared  1330 - 1610  T  WB111  Thompson,

Full Semester

Consult the semester class schedule for current offering under this number. The specific title and credit authorized will appear on the student transcript.

HNRS 4920  1  HASAB Leadership Seminar  1230 - 1320  M  WB111  Thompson,

Full Semester

Consult the semester class schedule for current offering under this number. The specific title and credit authorized will appear on the student transcript.

HNRS 4920  3  Literature of Mountaineering  1330 - 1445  TR  EH205  Vause, L. Mikel

Full Semester

Consult the semester class schedule for current offering under this number. The specific title and credit authorized will appear on the student transcript.

HNRS 4920  3  Soundtrack of the Revolution  1300 - 1415  TR  LI325  Cadman,

Full Semester

Consult the semester class schedule for current offering under this number. The specific title and credit authorized will appear on the student transcript.

HTHS 1101  2  Medical Terminology  0900 - 0950  MW  MH341  Price, Travis

Full Semester

A comprehensive overview of medical language. This course takes a body-systems approach to presenting the medical terminology associated with anatomy, physiology, diseases and treatments. Designed for all students interested in health sciences or a career in medicine.

HTHS 1101  2  Medical Terminology  1200 - 1250  MW  MH341  Winterton,

Full Semester

A comprehensive overview of medical language. This course takes a body-systems approach to presenting the medical terminology associated with anatomy, physiology, diseases and treatments. Designed for all students interested in health sciences or a career in medicine.

HTHS 1101  2  Medical Terminology  1000 - 1050  TR  MH341  Henderson,

Full Semester

A comprehensive overview of medical language. This course takes a body-systems approach to presenting the medical terminology associated with anatomy, physiology, diseases and treatments. Designed for all students interested in health sciences or a career in medicine.

HTHS 1101  2  Medical Terminology  1100 - 1150  MW  D03234  Hutchins, Jim

Full Semester

A comprehensive overview of medical language. This course takes a body-systems approach to presenting the medical terminology associated with anatomy, physiology, diseases and treatments. Designed for all students interested in health sciences or a career in medicine.
To access online course materials, please select the Canvas icon located in your eWeber portal.

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Integrated Human Anatomy and Physiology I is the first semester of a two-semester anatomy and physiology sequence that focuses on the structure and function of the human body. Course module topics include: the atomic and molecular levels of organization, cell biology and metabolism, microbiology, and the integumentary, skeletal and muscular body systems. Weekly integrated laboratory sessions serve to enhance the lectures through discussions, data analysis, hands-on activities, and activities utilizing cadaver specimens and interactive digital cadaver technology. This course meets the life science (LS) general education learning outcomes for the university. Completion of HTHS 1101 is strongly recommended before taking HTHS 1110.

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To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $35.00
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Integrated Human Anatomy and Physiology II is the second semester of a two-semester anatomy and physiology sequence that focuses on the structure and function of the human body. Course module topics include: the nervous, endocrine, cardiovascular (blood), cardiovascular (heart and blood vessels), respiratory, digestive, urinary, and reproductive body systems. Laboratory sessions serve to enhance the lectures through discussions, data analysis, hands-on activities, and activities utilizing cadaver specimens and interactive digital cadaver technology. Prerequisite: HTHS 1110 with a grade of C or better.
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To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $35.00
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<td>Case Studies in Health is a course designed for students wishing to explore the interdisciplinary nature of health care using case study models. Each case study focuses on a disease process. Progression through each case study involves a review of anatomy and physiology, pathophysiology, medical terminology and a study of a variety of health professionals including their educational and training requirements. Additionally, the student will explore key medical diagnostic tests (e.g. laboratory, imaging) used in patient disease diagnosis, management and prevention. The course emphasizes the importance of the team approach to patient care.</td>
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<td>An introduction to the pathophysiologic disruptions of normal human body function, this course will emphasize disease mechanisms and the body's response to restore homeostasis. Units of study include foundational concepts of cellular injury, genetics, acid-base, electrolyte, fluid balance and functional alterations of the immune, hematologic, nervous, endocrine, cardiovascular, respiratory, urinary, musculoskeletal, and reproductive systems.</td>
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approach* with emphasis on medications utilized in diagnosing and treating diseases associated with the various body systems. Class format includes a 3 hour lecture class with students participating in oral presentations and case studies.

**HTHS 2240**
3
**Introduction to Pharmacology**
TBA  TBA  OL  Orrock, Marv
TBA  TBA  OL  Orrock, Marv

To access online course materials, please select the Canvas icon located in your eWeber portal.

**HTHS 2830**
1
**Directed Readings**
TBA  TBA  Chugg, Kraig
Chugg, Kraig

Directed Readings in Health Sciences areas. Must have departmental approval.

**HTHS 2830**
2
**Directed Readings**
TBA  TBA  Chugg, Kraig
Chugg, Kraig

Directed Readings in Health Sciences areas. Must have departmental approval.

**HTHS 2830**
3
**Directed Readings**
TBA  TBA  Chugg, Kraig
Chugg, Kraig

Directed Readings in Health Sciences areas. Must have departmental approval.

**HTHS 2904**
1
**Info Resources in Hlth Prof**
TBA  TBA  OL  Francis, Jason
Francis, Jason

To access online course materials, please select the Canvas icon located in your eWeber portal.

**HTHS 3240**
3
**Pharmacology Prin & Clin**
1000 - 1120  TR  IE207  Orrock, Marv
21952  Full Semester
Pharmacology Principles and Clinical Applications is an upper division course designed for students who are pursuing a career in health, health education, or the health professions. This course will focus on pharmacokinetics, pharmacodynamics, mechanisms of drug action, evidenced-based medicine, organ-systems approach to differential therapeutics, and topics of current relevancy. In addition, students will present on a pharmacology case or topic of their choice.

**HTHS 3240**
3
**Pharmacology Prin & Clin**
TBA  TBA  OL  Orrock, Marv
22916  Full Semester
To access online course materials, please select the Canvas icon located in your eWeber portal.

**HTHS 3328**
2
**Pathophysiology Cells &**
TBA  TBA  OL  Clayton,
Clayton,
22920  Full Semester
To access online course materials, please select the Canvas icon located in your eWeber portal.

**HTHS 3329**
2
**Pathophysiology**
TBA  TBA  OL  Clayton,
Clayton,
23341  Full Semester
To access online course materials, please select the Canvas icon located in your eWeber portal.

**IDT 1010**
3
**CA Intro to Interior Design**
1130 - 1245  MW  D03331  Morris, Shauna
D03331  Morris, Shauna
21122  Full Semester
Explores the interior design profession, professional certification and licensure. Students learn the various phases of the design process and develop spaces that relate to sustainability, accessibility and human factors. Study of architectural and furniture styles are explored. Students develop aesthetic judgment as they create spaces that utilize the elements and principles of design and color theory.

**IDT 1010**
3
**CA Intro to Interior Design**
1730 - 2010  M  D03331  Badali, Ashley
D03331  Badali, Ashley
21123  Full Semester
Explores the interior design profession, professional certification and licensure. Students learn the various phases of the design process and develop spaces that relate to sustainability, accessibility and human factors.
Study of architectural and furniture styles are explored. Students develop aesthetic judgment as they create spaces that utilize the elements and principles of design and color theory.

IDT 1010 3 CA Intro to Interior Design 1730 - 2010 T TE102C Badali, Ashley
21124 Full Semester

Explores the interior design profession, professional certification and licensure. Students learn the various phases of the design process and develop spaces that relate to sustainability, accessibility and human factors. Study of architectural and furniture styles are explored. Students develop aesthetic judgment as they create spaces that utilize the elements and principles of design and color theory.

IDT 1010 3 CA Intro to Interior Design TBA TBA OL Arnold, Kristen
21809 Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $20.00

IDT 1020 3 Presentation Techniques 0915 - 1030 MW D03329 Arnold, Kristen
21125 Full Semester

Exploration of materials and application of methods required for visual communications with interior design presentation. Emphasis in conceptualizing and quick-sketching techniques. Introduction to oral and technical visual presentation methods such as Adobe Illustrator, InDesign and Google SketchUp are incorporated into curriculum.

IDT 1050 3 Architectural Drafting 1615 - 1730 MW D03330 Call, John
21126 Full Semester

Introduction to the fundamentals of drafting of architectural working drawings using hand and basic technical skills. Graphic symbols, lettering and procedures used in developing a set of residential plans, including architectural standards and building requirements are studied.

IDT 2035 3 Design Process/Space 1230 - 1345 TR D03331 Morris, Shauna
21128 Full Semester

Experiences in programming, research development, and schematic design development. Emphasis on problem solving and space planning for residential and non-residential spaces. Design charrettes may be included as part of the course curriculum.

IDT 2035 3 Design Process/Space 1445 - 1600 MW D03331 Call, John
21129 Full Semester

Experiences in programming, research development, and schematic design development. Emphasis on problem solving and space planning for residential and non-residential spaces. Design charrettes may be included as part of the course curriculum.

IDT 2060 3 Sustainability II: Materials/Hard 1030 - 1145 MW D03328 Johnson, Jacie
21127 Full Semester

Exploration and research of interior finishes, materials, and sustainable practices. Practical application for specifying and installation of materials will be emphasized. Three-dimensional projects may be required as part of this course. An interdisciplinary design charrette is featured as part of this course.

IDT 2080 3 Adv Interior Arch 0730 - 0845 TR D03329 Johnson, Jacie
21130 Full Semester

As part of course requirements, you will participate in the Interdisciplinary Charrette Sept. 12-14, 2019. Please clear your schedule to be available the entire 48 hour period.

IDT 2990 1 Interior Design Seminar 0900 - 0950 R D02111 Johnson, Jacie
21131 Full Semester

Professional issues presented by guest lecturers, tours, and current discussions in interior design. Due to the nature of the curriculum, not all lectures, tours and experiences may be held in a traditional setting or time. This course may be listed among credits for the IDT Study Abroad program. It is encouraged that design majors
enroll in this course each semester. May be taken for credit/no credit.

IDT 3000 3 Lighting Design 1145 - 1300 MW D03329 Arnold, Kristen
21510 Full Semester

As part of course requirements, you will participate in the Interdisciplinary charrette Sept. 12-14, 2019. Please clear your schedule to be available the entire 48 hour period.

IDT 3020 3 American & Modern Interiors 1030 - 1145 TR D03331 Johnson, Jacie
21511 Full Semester

Historical survey and research of interiors, furnishings, and architecture from the 1880's to the present. Application of modern design in today's interior including oral presentations, research projects and/or three-dimensional projects may be required as part of this course. This course may be listed among credits for the IDT Study Abroad program.

IDT 3025 3 Professional Practice 1300 - 1415 MW D03328 Johnson, Jacie
21512 Full Semester

As part of course requirements, you will participate in the Interdisciplinary Charrette Sept. 12-14, 2019. Please clear your schedule to be available the entire 48 hour period.

IDT 3040 2 Perspective/Rendering 0800 - 0915 MW D03330 Call, John
21546 Full Semester

Perspective drawing, sketching, and manual and computer-generated rendering techniques are explored and utilized. It is required that IDT 4830 for one credit hour be taken in conjunction with this course. An interdisciplinary design charrette is featured as part of this course.

IDT 3060 3 Kitchen & Bath 1045 - 1200 TR D03330 Morris, Shauna
21548 Full Semester

As part of course requirements, you will participate in the Interdisciplinary Charrette Sept. 12-14, 2019. Please clear your schedule to be available the entire 48 hour period.

IDT 4025 2 CEL Senior Program 0900 - 1030 T D03330 Arnold, Kristen
21550 Full Semester

The first of a two-part series for the senior student that produces a comprehensive project that features residential, contract, hospitality and healthcare design emphasis along with a research component. The first four phases of the design process are embarked upon in this semester. The senior student must take IDT 4030 in the same academic year following completion of IDT 4025. Local and national competition participation are featured as part of this course. Instructor approval required for registration for this course.

IDT 4830 1 Directed Readings TBA TBA Call, John
21551 Full Semester

Individual readings supervised by a faculty member. Junior/Senior level course. Must be taken with the approval of the instructor and in conjunction with IDT 3040. This course may be listed among credits for the IDT Study Abroad program.

IDT 4860 3 Internship for Interior Design TBA TBA OL Arnold, Kristen
21810 Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $20.00

ITLN 1010 3 First Semester Italian 1730 - 1845 MW EH116 Holmes, Rosie
23054 Full Semester

JPNS 1010 3 First Semester Japanese 1030 - 1120 MWF EH106 Aoyama, Jamie
23055 Full Semester
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Introductory course assuming no significant previous experience with the language.

Students learn and apply strategies for acquiring a foreign language. The process of foreign language acquisition reflects how humans learn, think and communicate. This course assumes completion of first-year or equivalent experience.

This is a transition course to upper division. The course focuses on oral proficiency development. Students will learn a variety of techniques and strategies to increase their oral proficiency in a variety of social, educational and cultural settings. Native-speaking students or those who have acquired proficiency through residence in the target language community are not eligible to take this class.

This advanced-mid writing course for English language learners focuses on writing academic essays that incorporate outside sources. This course should be taken concurrently with LEAP 2520.

In this course, advanced-mid English language learners practice reading and comprehending authentic academic texts. This course should be taken concurrently with LEAP 2510.

Students will become more familiar with aspects of American culture.
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The Centering Experience is a capstone/synthesis requirement to be satisfied by reading texts from a list prepared by members of the Linguistics Minor Committee. The texts must be central to at least two of the disciplines represented in the minor. The reading will be done either as a directed reading or, enrollment permitting, a seminar, either of which may be team taught. Assessment in LING 4990 will be tailored to the
students’ interests, and might take the form of a practicum, a project, or a thesis (especially suitable for BIS or Honors students).

**MACC 6130** 3  
Govrn/Non-Profit 1830 - 2110 W D02104 Malone, David  
Full Semester

A study of governmental and nonprofit accounting concepts including revenue and expense recognition; asset and liability valuation; and reporting, disclosure, and financial analysis. Includes in-depth discussion of the new GASB reporting model for governments and analysis of actual government financial statements produced using the new model.

**MACC 6560** 3  
Advanced Auditing 1530 - 1810 W D02104 Hansen, James  
Full Semester

Advanced topics of auditing and assurance services including professional and technical aspects of auditing practice, introduction to SEC, ethics and legal responsibilities, fraud, recent auditing developments, sampling techniques for decision making, internal control, and risk assessment.

**MACC 6610** 3  
Advanced Acnting Info 1530 - 1810 R D02105 Davis, Jeff  
Full Semester

An advanced study of accounting information systems including general ledger, principles, tools, and techniques for controls, database systems, management query, and data analysis tools and systems. Course integrates projects and case studies where applicable.

**MACC 6695** 3  
Graduate Accounting TBA TBA Hansen, James  
Full Semester

A significant professional-level field experience in the area of accounting or taxation. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through MAcc/MTax courses. Credit/No credit.

**MACC 6803** 3  
Individual Study TBA TBA Hansen, James  
Full Semester

**MATH 0950** 4  
Pre-algebra (REAL) 0830 - 0920 MTWR LL229 Yonkee, Mary  
Full Semester

An introduction to mathematical literacy including number sense, algebraic thinking, proportional reasoning, and math learning strategies. Topics include properties of and operations with whole numbers, integers, decimals, fractions and percent; introductory operations and applications with exponents, algebraic expressions, linear equations, and basic geometry. Course fees include math assistance from tutoring services. Does not count toward graduation. Prerequisite: none.

**MATH 0950** 4  
Pre-algebra (FLP) 0830 - 1020 TR TY209 Lewis, Cristine  
Full Semester

An introduction to mathematical literacy including number sense, algebraic thinking, proportional reasoning, and math learning strategies. Topics include properties of and operations with whole numbers, integers, decimals, fractions and percent; introductory operations and applications with exponents, algebraic expressions, linear equations, and basic geometry. Course fees include math assistance from tutoring services. Does not count toward graduation. Prerequisite: none.

**MATH 0950** 4  
Pre-algebra (FLP) 0830 - 1020 TR TY449 Lewis, Cristine  
Full Semester

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To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.
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The course fee includes math assistance from tutoring services. Does not count toward graduation. Prerequisite: Math 0950 or equivalent placement.

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An introduction to algebraic literacy using properties of real numbers, solving linear equations and inequalities, geometry, ratio and proportion, applications, graphing, solving linear systems, exponents, scientific notation, polynomials, factoring, and solving quadratic equations. Learning strategies for mathematics success, including development of a mathematical growth mindset are integrated into the course.

The course fee includes math assistance from tutoring services. Does not count toward graduation.  
Prerequisite: Math 0950 or equivalent placement.

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Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.

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MATH 1010 4 Intermediate Algebra (FLP) 1130 - 1220 MTWF LL221 Quesnell,
22136 Full Semester

Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.

MATH 1010 4 Intermediate Algebra (REAL) 1130 - 1320 TR TY209 Van Wagoner,
22137 Full Semester

Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.

MATH 1010 4 Intermediate Algebra (REAL) 1230 - 1420 MW TY209 Dunn,
22138 Full Semester

Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.

MATH 1010 4 Intermediate Algebra (FLP) 1330 - 1520 TR TY209 Yonkee, Mary
22139 Full Semester

Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.

MATH 1010 4 Intermediate Algebra (FLP) 1530 - 1720 MW LL228 Pincock, John
22140 Full Semester

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MATH 1010 4 Intermediate Algebra (FLP) 1630 - 1820 TR LL228 Webster, Lori
22141 Full Semester

Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. The fee for this course includes $102 for the MyMathLab software license for the semester. No textbook is required. The balance of the fee ($19 per credit hour) is for developmental support and is in lieu of the developmental fee previously charged each semester.
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A conceptual understanding of the fundamental notions of calculus (limits, continuity, differentiation and integration). Application of these ideas to economics, the social and life sciences, and natural resource modeling is central to the course.
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A general study of the use of accounting information by internal and external decision makers with emphasis on the use of accounting information by managers of an entity. Topics covered include the accounting cycle, the basic financial statements, inventories, long-term liabilities, cost concepts and behaviors, cost-volume-profit analysis, and financial statement analysis. • Foundations course only for non-business undergrads. 30 seats only.

This class will give students the opportunity to learn how to write, read, and analyze statistical data as it pertains to business and society. The basic premise of this course is to provide the student with an understanding of statistics as it is used in business and economics. This course will give special emphasis to understanding, interpreting and communicating statistics. Topics covered include descriptive statistics, probability, probability distributions, sampling distributions and hypothesis testing. Additional course work in College Algebra may be required prior to course registration as per department advisement and student’s program of study requirements. • Foundations course for non-business undergrads only. Must have completed Math 1050 or pre-MBA math course prior to registration.

This course will build on the first foundation course on descriptive statistics by emphasizing inferential statistics. This course will be application oriented and will focus on hypothesis testing and regression analysis. Students will learn how to design a survey and evaluate the data in order to test theories learned in other MBA classes. Students will also learn basic concepts and methods of optimization using elementary concepts in differential calculus. Additional foundation course work in statistics may be required prior to course registration.
as per department advisement and student's program of study requirements. • Foundations course Non business undergrads only. Must have completed MBA 6050 prior to registering for this class.

MBA 6120 3 Organizational Behavior 1730 - 2030 R D02112 Anderson, Block 1

This is a course for graduate students who have already been exposed to the principles of management and organizational behavior and who are now seeking a more advanced preparation for the behavioral role of the manager. It offers a critical review of the factors that influence behavior within the organizational setting. Behavioral concepts are emphasized which particularly relate to group dynamics, interpersonal relations, and ultimately, organizational effectiveness. In short, this course deals with the human aspects of management—the kinds of problems most frequently experienced in day-to-day interaction with others. The format will include discussions, group and individual exercises, case studies, and student reports. • Required course 25 seats only

MBA 6120 3 Organizational Behavior 1730 - 2030 R D02112 Anderson, Block 2

This is a course for graduate students who have already been exposed to the principles of management and organizational behavior and who are now seeking a more advanced preparation for the behavioral role of the manager. It offers a critical review of the factors that influence behavior within the organizational setting. Behavioral concepts are emphasized which particularly relate to group dynamics, interpersonal relations, and ultimately, organizational effectiveness. In short, this course deals with the human aspects of management—the kinds of problems most frequently experienced in day-to-day interaction with others. The format will include discussions, group and individual exercises, case studies, and student reports. • Required course 25 seat limit

MBA 6130 3 Financial Management 1730 - 2030 M D02113 Turner, James

Financial Management is a detailed presentation of the practices, techniques, and applications of theory in corporate finance. The focus is an understanding of how companies operate and acquire the tools necessary to analyze and evaluate corporate financial policies. Cases and applied research in the form of outside readings will assist students to focus on key issues. The purpose of the course is to assist current and prospective managers in making better investment and financing decisions. The course addresses (1) the investment decision (capital budgeting) as well as (2) the financing decision. Class discussion and cases will focus on capital budgeting and specifically on the establishment of goals, development of strategy, identification of investment opportunities, evaluation of projects, implementation of projects, and the monitoring processes. Shareholder wealth maximization is the standard for determining why one decision is "better" than another. The ethical considerations of wealth maximization will also be addressed. Additional foundation course work in accounting and statistics may be required prior to course registration as per department advisement and student's program of study requirements. • Required course. Non business undergrads need to complete MBA 6020, 6050/51 prior to taking this course.

MBA 6140 3 Marketing Management 1730 - 2030 T D02112 Horstmann, Block 1

This course centers on creating customer value profitability in competitive markets. In an integrative fashion, it covers analyzing customer needs and preferences; estimating market potential; assessing market opportunities and threats in view of the focal company's and its competitors' resources and capabilities; developing market and marketing strategies; making astute product, pricing, distribution, and promotion decisions; and measuring marketing performance. Pedagogical vehicles include lectures, reading assignments, and case-based discussions and reports. • Required course Business undergrad majors may opt to take International Marketing instead. Please contact Andrew to discuss a change in your program of study.

MBA 6150 3 Operations/Supply Chain 1730 - 2030 W D02112 Schvaneveldt, Block 1

Required course Pre-reqs of MBA 6050/51 must be completed prior to registering for class.

MBA 6160 3 Applications of Decision 1730 - 2030 T D02113 Barraza, Ben

Block 2

This course presents a rigorous treatment of quantitative decision-making with emphasis on data collection, analysis, and model building. This course emphasizes experience in structuring realistic business problems, collecting data, developing an appropriate model for analysis, and interpreting and defending results. A number of cases are employed. Additional foundation course work in statistics may be required prior to course
registration as per department advisement and student's program of study requirements. • Elective course This class is Excel on steroids! Learn things you never knew you could do with a spreadsheet. Great resume builder!

- **MBA 6180 3**
  - **Strategic Management**
  - **1730 - 2030  W**
  - **D02113 Noack, Dave**

  This course takes a broad view of the entire organization. In some instances, the organization will have one line of business. In other cases, the organization may be a large diversified corporation with many lines of business. We will examine the strategic issues facing diversified corporations including: vertical integration, diversification into related and unrelated businesses, and operating synergies. Course work in MBA 6130, 6140, 6150 and 6410 may be required prior to course registration as per department advisement and student's program of study requirements. • Required course This is the capstone class and should be one of your last classes. Pre-reqs of MBA 6130, 6140 and 6150 MUST be completed prior to registration for this class. It is also recommended that MBA 6120 and 6210 also be completed before taking this class.

- **MBA 6210 3**
  - **Management Accounting**
  - **1730 - 2030  T**
  - **D02112**

  This course is designed to introduce the student to the concepts and procedures of managerial accounting through readings and case studies. The course emphasizes the use of accounting data in the decision-making process by internal decision-makers (e.g., management), rather than external decision-makers (e.g., stockholders, investors, creditors, and regulatory bodies). The course topics include cost terms and concepts, job-order costing, activity-based costing, quality management, cost behavior, cost-volume-profit analysis, profit planning, relevant costs, capital budgeting, cost allocation, and pricing. Additional foundation course work in accounting may be required prior to course registration as per department advisement and student's program of study requirements. • Required course. Non-business undergrads need to have completed MBA 6020 prior to registering for this class.

- **MBA 6310 3**
  - **Info Tech in the Enterprise**
  - **1730 - 2030  M**
  - **D02113 Clements, Jeff**

  Information technology from an enterprise perspective with an orientation toward the management of technology for competitive/strategic advantage. Managers will be increasingly responsible for making decisions with respect to implementing new technology. This course will provide the background knowledge to enable managers in traditional business units to function as full participants in decisions involving the purchase and application of technology to create a business advantage. • Required course No pre-reqs needed

- **MBA 6410 3**
  - **Global Macroeconomic**
  - **1730 - 2030  W**
  - **D02113 Stevenson,**

  This course will focus on the impact of global macroeconomic conditions on firm decision-making. To review and analyze current macroeconomic topics, a theoretical framework is developed, from the start showing the linkages among national economies. This framework is used to analyze and forecast business cycles, interest rates, exchange rates, causes of trade deficits, short- and long-term consequences of fiscal and monetary policy decisions, and the globalization of financial markets. Examples from different countries are used to enhance knowledge of the world economy. Additional foundation course work in economics may be required prior to course registration as per department advisement and student's program of study requirements. • Required course. Non-business grads need to complete MBA 6040 prior to registration

- **MBA 6440 3**
  - **CE Pretty Leadership**
  - **1730 - 2030  T**
  - **D02134 Vaughan, Mike**

  This course will expose students to the strategic nature of leadership. Students will evaluate and discuss key principles and frameworks of leadership through the case method. Students will study leadership styles, situational leadership, personal leadership, and power & influence, as they relate to strategy. • Elective course 15 seats only

- **MBA 6450 3**
  - **Leadership Through People Skills**
  - **0830 - 1730  S**
  - **D03302 Stevens,**

  This course will provide a highly applied introduction to the interpersonal dynamics of leading and motivating others. Emphasis will be placed on the development and acquisition of key behaviors, skills, techniques and mental models for influencing others through sound people skills. By means of hands-on application, role-playing and "learning-by-doing" activities, students will learn to listen for understanding and insight; gain
commitment rather than compliance; manage conflict; adapt their style to different people; apply influence skills in all directions; and develop insights into their impact on others.

- Elective course Runs 3 weekends including Labor day weekend. May NOT miss any class time.

**MBA 6630  3  Networking & Info Systems  1730 - 2030  T  D02318  Boyle, Randall**

This course covers the role of networking technology in information systems. Through hands-on and conceptual knowledge, students will learn how data communications and networks are used to facilitate decentralized and distributed systems in support of decision making. Various aspects of networking including standards, media, network design and applications will be covered. Students will gain hands-on familiarity with a local area network and the Internet.

- Elective course, part of the IST certificate. This is a 15 week cross listed class with undergrad IST students. MBA students go the entire semester. MBA students have their own syllabus and exams.

**MBA 6640  3  Info Assurance in Enterprise  1730 - 2030  R  D02318  Boyle, Randall**

This course covers the basic principles and concepts in information assurance. It examines the managerial, operational, and organizational issues of securing information systems. Topics include legal and ethical issues in computer security; privacy concerns; malware; security awareness at the executive, technical and user levels; physical security, personnel security issues; policies and procedures; the need for enterprise security awareness; and the need for an enterprise security organization. Case studies and exercises in the computer lab will be used to provide examples of the need for organizations to develop security procedures and policies.

- Elective course Part of the IST certificate. This is a cross listed class that runs the full semester. MBA students take class with IST seniors but have their own syllabus and exams.

**MBA 6680  3  Graduate Consulting Project  TBA  TBA**

Graduate students are given the opportunity to consult with an existing organization, make recommendations for improvements, and assist in implementing changes in the organization. Students meet periodically with supervising faculty to review results.

- This course requires a meeting with the MBA director to plan a project. When you have your project planned and ready to start and pay for the class, call Sally for an override to register.

**MBA 6750  3  Financial Aspect/Contract  1730 - 2030  R  D02113  Muhlestein,**

Within the context of contract management, students will learn how to structure cash flow through financial methods that include invoice timing, pricing, overhead considerations, advance payments, letters of credit and other financial sources. Gain a comprehensive knowledge of accounting systems, budgeting, auditing and settlements. Enhance the profitability of your business through prudent contracting financial practices.

- Elective course. Part of the contract management certificate.

**MBA 6760  3  Legal Aspects/Contract Mgmt  1730 - 2030  W  D02112  Pehrson, Chad**

Within the context of contract management, students will gain a working knowledge of stakeholder requirements, applicable common law, Federal Acquisition Regulations (FAR), Uniform Commercial Code (UCC) and other local, state and federal regulations and law that must be adhered to throughout the contract management process. Students will learn the legal aspects of contract management with an emphasis on real world, day-to-day application. Students will explore all phases of managing an approved contract successfully through completion of performance including change management, communications, negotiations, contract types, terms and conditions, risks, defaults, terminations, claims and much more. Students will participate in projects and discussions to rapidly enhance knowledge and proficiency in contract management in order to apply classroom concepts in the workplace.

- Elective course Part of the contract management certificate

**MBA 6800  1  Directed Study  TBA  TBA**

- Elective course
Directed individual study and research on special topics related to business. May be repeated for a cumulative total of three credits. • This class is a 1 credit hour directed reading for the IST certificate. You must complete MBA 6640 prior to doing the directed reading. This class requires an override from Sally to register.

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To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.
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<td>A mechanical engineering project will be selected for team participation. Team assignments will lead to the completion of a preliminary design phase which includes concept generation, engineering analysis and design, prototype testing, and preliminary economic analyses. Senior Project I culminates in a preliminary design review based on formal student presentations of documented engineering drawings of the proposed design.</td>
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<td>Introduction to the finite element method. Survey of FEA theory, including element formulation, stiffness matrix operations, shape functions, etc. Application and use of commercial FEA software for engineering design and analysis.</td>
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</tr>
<tr>
<td>MED 6000</td>
<td>Fundamentals of Grad Study</td>
<td>2</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>T</td>
<td>ED219 Moulding,</td>
</tr>
<tr>
<td>21505</td>
<td>This course serves as an introduction to the MED program and to scholarship in education. Students will draw from diverse fields of educational inquiry (e.g. psychology, sociology, philosophy, history) to develop and present critically informed perspectives on current topics in P16 education. Multiple approaches to scholarly writing will be addressed.</td>
<td></td>
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</tr>
<tr>
<td>MED 6020</td>
<td>Diversity In Education</td>
<td>2</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>M</td>
<td>ED010 Speicher,</td>
</tr>
<tr>
<td>21459</td>
<td>This course is designed to integrate classical and contemporary education theory and practice as a way to understand the nature and scope of how equity manifests itself in an ever-changing society. Students will apply their understanding of equity in education as they critically reflect, empirically investigate, and apply their knowledge as skillful transformative educational leaders.</td>
<td></td>
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<tr>
<td>MED 6030</td>
<td>Advanced Education</td>
<td>2</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>W</td>
<td>ED317 Stew art,</td>
</tr>
<tr>
<td>21479</td>
<td>This course is designed to provide an in-depth understanding of behavioral, cognitive and brain based psychological theories. The focus will be how this knowledge can impact and inform educational decisions and practices.</td>
<td></td>
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</tr>
<tr>
<td>MED 6050</td>
<td>Curriculum</td>
<td>3</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>R</td>
<td>ED317</td>
</tr>
<tr>
<td>21462</td>
<td>An overview of the theories of curriculum development as well as a practical appraisal of curriculum design, implementation, evaluation and assessment.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MED 6060</td>
<td>Instruction Strategies</td>
<td>2</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>W</td>
<td>ED227 Byrne, Caitlin</td>
</tr>
<tr>
<td>21470</td>
<td>This methods course will include organizing and universal teaching strategies that can accommodate the variety of learning contexts and content that is taught to a diverse audience of learners.</td>
<td></td>
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</tr>
<tr>
<td>MED 6080</td>
<td>Conducting Edu Research</td>
<td>3</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>T</td>
<td>ED015 Byrne, Caitlin</td>
</tr>
<tr>
<td>22262</td>
<td>Students learn to locate and interpret educational research, and to apply research methods to their own education issues.</td>
<td></td>
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</tr>
<tr>
<td>MED 6085</td>
<td>Developing Project Proposal</td>
<td>2</td>
<td>Full Semester</td>
<td>1630 - 1910</td>
<td>T</td>
<td>ED319</td>
</tr>
<tr>
<td>21488</td>
<td>Must have a signed Graduate Committee Request form the first night of class.</td>
<td></td>
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<tr>
<td>MED 6090</td>
<td>Masters Project</td>
<td>2</td>
<td>Full Semester</td>
<td>TBA</td>
<td>TBA</td>
<td>Moulding,</td>
</tr>
<tr>
<td>21486</td>
<td>The student independently works with the project chair and committee to complete the masters project.</td>
<td></td>
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</tr>
</tbody>
</table>
Students must have a signed proposal and department permission to register.

**MED 6091** 1 Graduate Synthesis 1630 - 1910 T ED219 Moulding, Full Semester

Must have a signed proposal by the first night of class.

**MED 6120** 3 Advanced Classroom 1630 - 1910 M ED317 Williams, Full Semester

This is a hybrid course.

**MED 6130** 2 Topic In Education 1630 - 1910 M ED219 Crawford, Full Semester

This course explores a topic receiving current attention by educators and the public, and deemed worthy of in-depth study. Credit will be determined by the nature of the topic.

**MED 6201** 3 EC/ECE Coaching Course 1 0800 - 1200 S SP316 Percy, Sarah, Full Semester

**MED 6229** 2 Instruct Tech for Pre-Service 1630 - 1910 T ED303 Cain, Ryan, Full Semester

This course allows students to apply existing technology literacy into educational environments to promote use of technology for teaching and instructional support in learning environments. The curriculum is based on teacher skills required to teach Utah State Educational Technology Standards.

**MED 6250** 3 Second Language 1630 - 1910 R ED330 Byrd, David, Full Semester

This course explores second language acquisition processes, current theories, and effective strategies as a knowledge base in planning appropriate curriculum and instruction for English language learners.

**MED 6313** 2 Elem School: Social Studies 1630 - 1910 T ED330 Mower, Full Semester

**MED 6314** 2 Reading Instruction in Elem 1630 - 1910 R ED319 Wrosch, Nadia, Full Semester

**MED 6320** 3 Content Area Literacy TBA TBA OL Saunders, Full Semester

To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

**MED 6360** 3 Foundations of Literacy TBA TBA OL Cena, Michael, Full Semester

To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

**MED 6375** 3 Foundations of Immersion 1630 - 1910 M ED319 Byrd, David, Full Semester

The course examines the background, underlying theory, and research foundations that support dual language and immersion education practices. Issues for teachers and administrators will be addressed. Practices and principles that inform language attentive curriculum will be a focus of the course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Instructor(s)</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>MED 6430</td>
<td>CEL Creative Processes in</td>
<td>3</td>
<td>1630-1910</td>
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<td>W</td>
<td>ED330 Bates, Vincent</td>
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<td>21497</td>
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<tr>
<td>MED 6600</td>
<td>Ethical Leadership</td>
<td>2</td>
<td>1630-1910</td>
<td></td>
<td>W</td>
<td>ED319</td>
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<tr>
<td>21507</td>
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<tr>
<td>MED 6700</td>
<td>Higher Ed Administration</td>
<td>3</td>
<td>1630-1910</td>
<td></td>
<td>R</td>
<td>ED006 Perozzi, Brett</td>
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<tr>
<td>21508</td>
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<tr>
<td>MED 6802</td>
<td>Family Theories</td>
<td>2</td>
<td></td>
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<tr>
<td>MED 6860</td>
<td>Practicum in Education</td>
<td>2</td>
<td>TBA</td>
<td>TBA</td>
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<td>Mayhew, Jack</td>
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<td>21463</td>
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<tr>
<td>MED 6870</td>
<td>Student Teaching in Elem</td>
<td>6</td>
<td>TBA</td>
<td>TBA</td>
<td></td>
<td>Wrosch, Nadia</td>
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<tr>
<td>21468</td>
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<td></td>
<td></td>
<td>Lab fee: $200.00</td>
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<tr>
<td>MED 6880</td>
<td>Student Teaching in Sec</td>
<td>6</td>
<td>TBA</td>
<td>TBA</td>
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<td>Wrosch, Nadia</td>
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</tr>
<tr>
<td>21500</td>
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<td></td>
<td>Lab fee: $200.00</td>
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<tr>
<td>MED 6900</td>
<td>Individual Study</td>
<td>1</td>
<td>TBA</td>
<td>TBA</td>
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<td>Moulding</td>
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<td>21501</td>
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<tr>
<td>MED 6900</td>
<td>Individual Study</td>
<td>2</td>
<td>TBA</td>
<td>TBA</td>
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<td>Moulding</td>
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<td>21502</td>
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<tr>
<td>MED 6900</td>
<td>Individual Study</td>
<td>3</td>
<td>TBA</td>
<td>TBA</td>
<td></td>
<td>Moulding</td>
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<tr>
<td>21503</td>
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<tr>
<td>MED 6990</td>
<td>Continuing Graduate</td>
<td>1</td>
<td>TBA</td>
<td>TBA</td>
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<td>Moulding</td>
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<td>21504</td>
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</tbody>
</table>

This course provides an overview of the various types of institutions of higher education including a brief history, typical institutional organizational structures, principal administrative functions, and the philosophy of administration overall. Strategic decision making within organizations will also be discussed.

This course provides students with the ability to critically review and assess theories in family science. Additionally, they will learn and practice the construction and application of family theory vital for conducting research and practicing family life education.

Practical synthesis and application of knowledge and skills gained in previous education courses. Students must have approval from the program director, and should follow specific graduate certificate in teaching program guidelines for prerequisites and other requirements. This course does not grant credit towards the MED degree, but is required for a teaching license in the state of Utah. This course may be repeated three (3) times for credit.

Must have a signed contract with M.Ed. Director.

Must have a signed contract with M.Ed. Director.

Must have a signed contract with M.Ed. Director.

Must have a signed contract with M.Ed. Director.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Course Type</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENG 5020G</td>
<td>Intro to Study of Lang for Tea</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>EH218</td>
<td>Otero, Jose</td>
</tr>
<tr>
<td>MENG 5080G</td>
<td>Critical Approaches</td>
<td>3</td>
<td>Full Semester</td>
<td>1330 - 1445</td>
<td>TR</td>
<td>EH316</td>
<td>Petersen, Emily</td>
</tr>
<tr>
<td>MENG 5080G</td>
<td>Critical Approaches</td>
<td>3</td>
<td>Full Semester</td>
<td>1330 - 1420</td>
<td>MWF</td>
<td>EH220</td>
<td>Shigley, Sally</td>
</tr>
<tr>
<td>MENG 5080G</td>
<td>Critical Approaches</td>
<td>3</td>
<td>Full Semester</td>
<td>1730 - 2010</td>
<td>M</td>
<td>EH215</td>
<td>Panko, Julia</td>
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<tr>
<td>MENG 5510G</td>
<td>World Literature</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>EH317</td>
<td></td>
</tr>
<tr>
<td>MENG 5550G</td>
<td>American Lit: Contemporary</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1220</td>
<td>MWF</td>
<td>EH403</td>
<td>Wutz, Michael</td>
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<tr>
<td>MENG 5570G</td>
<td>American Literature I</td>
<td>3</td>
<td>Full Semester</td>
<td>1230 - 1320</td>
<td>MWF</td>
<td>EH317</td>
<td>Schwiebert</td>
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<tr>
<td>MENG 5580G</td>
<td>American Literature II</td>
<td>3</td>
<td>Full Semester</td>
<td>0903 - 1020</td>
<td>MWF</td>
<td>EH220</td>
<td>Shigley, Sally</td>
</tr>
<tr>
<td>MENG 5650G</td>
<td>British Literature: Modern</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1220</td>
<td>MWF</td>
<td>EH205</td>
<td>Moloney,</td>
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<tr>
<td>MENG 5670G</td>
<td>British Literature I</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>EH204</td>
<td>Vause, L. Mikel</td>
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<tr>
<td>MENG 5680G</td>
<td>British Literature II</td>
<td>3</td>
<td>Full Semester</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>EH217</td>
<td>Rogers, Scott</td>
</tr>
<tr>
<td>MENG 5730G</td>
<td>Literature of Cultures/Places</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>EH220</td>
<td>Craggett,</td>
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<tr>
<td>MENG 6005</td>
<td>Intercultural Discourse</td>
<td>3</td>
<td>Full Semester</td>
<td>1730 - 2010</td>
<td>R</td>
<td>EH217</td>
<td>Conrad,</td>
</tr>
</tbody>
</table>
Students will learn research methods and methodologies that will allow them to produce publishable, sophisticated pieces of academic prose of the kind expected of professional academics. Students will compose abstracts, conference paper proposals, annotated bibliographies, and surveys of scholarship. Students will explore academic databases extensively and learn to evaluate rigorously other scholars' work. Students will be encouraged to submit their work in the class to journals, conferences, or collections of essays. Students should take this course within their first year of study and focus their research on topics that may support future work on a thesis or project. Required in first or second semester.

This seminar explores major texts of one particular American era. The course focuses on literature which articulates the selected period. This variable emphasis course may be repeated for credit with different content.

This course provides the foundation for ESL/Bilingual teachers in the workings of the English language: its pronunciation and spelling systems, its word-forming strategies, and its sentence structure patterns.

This course explores how to evaluate and implement assessment processes effectively for ESL/Bilingual pupils in public schools. Students will gain experience with both standardized test and authentic assessment.

Topics will vary based on student interest and instructor expertise. This course may be repeated for credit with different subject matter.

This course introduces first-time teachers to the theory and practice of teaching college writing.
This course supports teachers in their second semester of teaching college writing. Students will meet regularly to develop teaching strategies, enhance grading skills, resolve problems that have arisen in their classes, and plan strategies and procedures for classes they are teaching.

**MENG 6861** 2 Practicum in Sec English 1030 - 1145 TR EH218 Call, Christy

**MET 1000** 3 Intro Mech Engin Tech & Design 1200 - 1315 TR ET120 Foss, Mary

**MET 1500** 3 Mechanical Design 1030 - 1120 MWF ET120 Foss, Taylor

**MET 2890** 3 Coop Work Experience TBA TBA Magda, Daniel

**MET 3050** 3 Dynamics 1030 - 1120 MWF ET120 Birch, Dustin

**MET 3150** 3 Engineering Tech Materials 1200 - 1315 TR ET204 Magda, Daniel

**MET 3300** 3 Comp Progmmg, Applicat 1130 - 1220 MWF ET126

**MET 3400** 3 Machine Design 0900 - 1015 TR ET224 Birch, Dustin

**MET 3500** 3 Mech Measures & Controls 0730 - 0820 MWF ET120 Petersen, Daniel

**MENG 6823** 1 Teaching Practicum 1630 - 1720 W EH219 Barrett-Fox,
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time Period</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>MET 3700</td>
<td>Testing &amp; Failure Analysis</td>
<td>3</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>ET228</td>
<td>Birch, Dustin</td>
</tr>
<tr>
<td>MET 3890</td>
<td>Coop Work Experience</td>
<td>1</td>
<td>TBA</td>
<td>TBA</td>
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<td>Magda, Daniel</td>
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<tr>
<td>MET 4200</td>
<td>Mechanical Design with FEA</td>
<td>3</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>ET240</td>
<td>Magda, Daniel</td>
</tr>
<tr>
<td>MET 4500</td>
<td>Senior Project</td>
<td>3</td>
<td>0730 - 0820</td>
<td>TR</td>
<td>ET204</td>
<td>Birch, Dustin</td>
</tr>
<tr>
<td>MET 4500</td>
<td>Senior Project</td>
<td>3</td>
<td>0730 - 0820</td>
<td>TR</td>
<td>ET120</td>
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<tr>
<td>MET 4500</td>
<td>Senior Project</td>
<td>3</td>
<td>0730 - 0820</td>
<td>TR</td>
<td>ET224</td>
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<td>MET 4510</td>
<td>Senior Project</td>
<td>3</td>
<td>0730 - 0820</td>
<td>TR</td>
<td>ET210</td>
<td>Foss, Mary</td>
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<tr>
<td>MET 4800</td>
<td>Individual Research MET</td>
<td>1</td>
<td>TBA</td>
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<tr>
<td>MET 4830</td>
<td>Directed Readings</td>
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<td>TBA</td>
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<td>MET 4890</td>
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<td>TBA</td>
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<tr>
<td>MFET 1000</td>
<td>MFET Fundamentals</td>
<td>3</td>
<td>1330 - 1445</td>
<td>TR</td>
<td>ET120</td>
<td>Knighton,</td>
</tr>
</tbody>
</table>

**Description:**
- **MET 3700:** Testing & Failure Analysis
  - Full Semester
  - Mechanical testing of materials, fatigue, fracture, wear, corrosion, embrittlement, failure mechanisms and analysis, case studies of failures. Lecture plus laboratory work.

- **MET 3890:** Coop Work Experience
  - Full Semester
  - Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department. Prior consent of the department chair and the employer are required.

- **MET 4200:** Mechanical Design with FEA
  - Full Semester
  - Application of engineering technology fundamentals in mechanical design using Finite Element Analysis. Lecture plus computer-based laboratory work.

- **MET 4500:** Senior Project
  - Full Semester
  - A mechanical engineering technology project will be selected for team participation. Projects will require planning, analysis, design, development, production, testing and documentation.

- **MET 4800:** Individual Research MET
  - Full Semester
  - Special individual research and development projects in mechanical engineering technology. Credit and time determined by the student and the faculty project supervisor.

- **MET 4830:** Directed Readings
  - Full Semester
  - Directed individual readings in mechanical engineering technology. Topic selected in consultation with instructor.

- **MET 4890:** Coop Work Experience
  - Full Semester
  - Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department. Prior consent of the department chair and the employer are required.

- **MFET 1000:** MFET Fundamentals
  - Full Semester
  - This is an introductory course for students interested in majoring in Manufacturing Engineering Technology. Students will be exposed to Manufacturing Engineering Technology through several hands-on laboratory experiences that introduce them to concepts needed for future classes. Students will gain a clear understanding of degree requirements and possible career paths.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>MFET 1210</td>
<td>3</td>
<td>Machining Principles I</td>
<td>MW</td>
<td>0930 - 1145</td>
<td>ET201</td>
<td>Tobin, Kerry</td>
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<tr>
<td>MFET 1210</td>
<td>3</td>
<td>Machining Principles I</td>
<td>MW</td>
<td>1330 - 1545</td>
<td>ET201</td>
<td>Tobin, Kerry</td>
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<tr>
<td>MFET 1210</td>
<td>3</td>
<td>Machining Principles I</td>
<td>MW</td>
<td>1630 - 1845</td>
<td>ET201</td>
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<td>MFET 1890</td>
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<td>MFET 2150</td>
<td>2</td>
<td>Metal Forming, Casting &amp;</td>
<td>TR</td>
<td>0830 - 0920</td>
<td>ET210</td>
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<td>MFET 2150L</td>
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Introduction to machining processes through theory and practice including: setup and operation of the engine lathe & milling machine, machine and tool performance, inspection techniques, basic blueprint reading, and process planning. Students will utilize lab time to complete assignments as required. One lecture per week and two 3-hour labs per week are required.

Open to all first year students in Manufacturing Engineering Technology. Department approval required before registration. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

Introduction to industrial metal forming, casting and welding processes, equipment selection, design criteria, shop procedures and terminology.

Lab application of theories taught in MFET 2150 by use of student projects.

Lab application of theories taught in MFET 2150 by use of student projects.

Introduction to industrial metal forming processes, equipment selection, design criteria, shop procedures and terminology.

Introduction to industrial metal casting processes, equipment selection, design criteria, shop procedures and terminology.

Introduction to industrial metal welding processes, equipment selection, design criteria, shop procedures and terminology.
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Individual research on topics requested by industry or which meet special needs of Manufacturing Engineering Technology students.

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Traditional and nontraditional methods for machining organic-matrix and metal-matrix composites are reviewed. Traditional machining procedures are discussed together with the damage introduced into composites by these manipulations. Computer Numerical Control (CNC) codes and Computer Aided Manufacturing are covered, focusing on the production of plastic products and tooling. Machining concepts also including laser, water-jet, electrodischarge, electrochemical spark, and ultrasonic machining.

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Coverage of the most common commercial plastics including their additives, fillers, and fibers; includes common physical tests used to determine material characteristics; writing intensive.

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Open to all second year students in Manufacturing Engineering Technology. A continuation of MFET 1890.

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Open to all second year students in Manufacturing Engineering Technology. A continuation of MFET 1890.

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<td>Codes, Weld Inspection &amp; QA</td>
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Study of ASME and AWS codes as relating to procedure qualification and welder qualification for fabrication of pressure vessels and structures, and how codes relate to quality assurance and ISO 9000.

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Principles of fluid mechanics and component operation as they apply to the design of hydraulic and pneumatic systems. Computer programs may be used to analyze and design systems. Two lectures per week.

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Application of the theory taught in MFET 3340. One 2-hr lab per week.

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Application of the theory taught in MFET 3340. One 2-hr lab per week.

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Design and processing of plastic and composite materials for industrial applications. Two lectures per week.
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Application of the theory taught in MFET 3350. Two 2-hr labs per week.

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Application of the theory taught in MFET 3350. Two 2-hr labs per week.

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An advanced computer-aided design course using state-of-the-art solid modeling CAD/CAM software. Topics include: 3D parametric solid modeling, applications associativity, design-by-feature, assembly modeling, injection mold design, flat pattern development, design analysis using FEA, realistic rendering, and detailing.

<table>
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Lab assignments will include: Fundamentals of 3D parametric solid modeling, Extrude & Revolve Features, Sweep & Loft Features, Assembly Modeling, Injection Mold Design, Flat Pattern Development, Design Analysis using FEA, and others.

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The application of supervision skills. Students will gain an understanding of motivation of subordinates, personal leadership theories, problem-solving and decision-making techniques, organizational communication, employee selection, evaluation and training process, and organizational structures. Topics will include: the American Disabilities Act, OSHA and environmental issues, Equal opportunity Employment, and Affirmative Action issues. Three lectures per week.

<table>
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This course must be taken the semester prior to beginning the MFET senior project sequence of classes (MFET 4610, MFET4610L and MFET 4620L). Capstone requirements will be discussed. Capstone projects will be selected and teams formed with faculty input.

<table>
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<th>Course Code</th>
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<td>Fusion Joining and Brazing</td>
<td>1</td>
<td>Full Semester</td>
<td>TR</td>
<td>1030-1210</td>
<td>ET247</td>
<td>Strahan, Jeffry</td>
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<td>1030-1210</td>
<td>ET219</td>
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</table>

A "hands-on" lab that reinforces the concepts taught in MFET 3630 of SAW, ESW, GMAW, EG, RW, PAW, PAC, Electron Beam, Laser, Friction, Brazing, and other welding processes.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>MFET 3750</td>
<td>Welding Metallurgy I</td>
<td>2</td>
<td>Full Semester</td>
<td>MW</td>
<td>1130-1220</td>
<td>ET238</td>
<td>Baugh, Mark</td>
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Metallurgical principles applied to welding and weldability of ferrous metals.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>MFET 3750L</td>
<td>Welding Metallurgy I Lab</td>
<td>1</td>
<td>Full Semester</td>
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<td>1130-1320</td>
<td>ET219</td>
<td>Baugh, Mark</td>
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</table>

A "hands-on" lab that reinforces the concepts taught in MFET 3750 of metallurgical principles applied to welding and weldability of ferrous metals.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>MFET 3760</td>
<td>Welding Metallurgy II</td>
<td>2</td>
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<td>0930-1020</td>
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<td>ET228</td>
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</tbody>
</table>

Another "hands-on" lab that reinforces the concepts taught in MFET 3750 of metallurgical principles applied to welding and weldability of ferrous metals.
Metallurgical principles applied to welding and weldability of nonferrous metals.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Schedule</th>
<th>Days</th>
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<tr>
<td>MFET 3820</td>
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<td>MWF</td>
<td>ET210</td>
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<tr>
<td>MFET 3870</td>
<td>3</td>
<td>1200 - 1350</td>
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<td>MFET 3890</td>
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<td>MFET 4090</td>
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<td>MFET 4315</td>
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<td>MFET 4580</td>
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<td>MFET 4585</td>
<td>2</td>
<td>1200 - 1350</td>
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</table>

A "hands-on" lab that reinforces the concepts taught in MFET 3760 of metallurgical principles applied to welding and weldability of nonferrous metals.

Fundamental concepts relating to liquid penetrant, magnetic particle, ultrasonics, and radiography and other NDT processes.

A study of the elements used in the automation of manufacturing processes including: programmable logic controllers, robotics (servo and non-servo), vision systems, and material handling devices.

Students work in teams to demonstration proficiency programming individual automated manufacturing stations using Allen Bradley PLCs (Cognex Vision Systems, RF Systems, bar coding, pick and place feeding station, gauging station, part orientation processing station, sorting-buffering station, servo robotic assembly station-Fanuc, torque assembly station, inventory storage station, electro-hydraulic station). Students then work as a class to integrate an entire manufacturing process using all of the stations for a small part. Labs will include...
Students will team to demonstration proficiency programming individual automated manufacturing stations using Allen Bradley PLCs (Cognex Vision Systems, RF Systems, bar coding, pick and place feeding station, gauging station, part orientation processing station, sorting-buffering station, servo robotic assembly station-Fanuc, torque assembly station, inventory storage station, electro-hydraulic station). Students then work as a class to integrate an entire manufacturing process using all of the stations for a small part. Labs will include additional lectures.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tr>
<td>MFET 4585 2</td>
<td>Process Automation II Lab</td>
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<td>Full Semester</td>
<td>0930 - 1120</td>
<td>MW</td>
<td>ET230</td>
<td>Hunter, Samuel</td>
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<tr>
<td>MFET 4610 3</td>
<td>Sr Project Plan &amp; Estimating</td>
<td></td>
<td>Full Semester</td>
<td>0830 - 0920</td>
<td>MWF</td>
<td>ET238</td>
<td>Orr, Ricky</td>
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<tr>
<td>MFET 4610L 2</td>
<td>Senior Project &amp; Planning Lab</td>
<td></td>
<td>Full Semester</td>
<td>0730 - 0820</td>
<td>TR</td>
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<td>MFET 4610L 2</td>
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<td>Full Semester</td>
<td>0730 - 0820</td>
<td>TR</td>
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<td>MFET 4610L 2</td>
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<td>Full Semester</td>
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<td>0730 - 0820</td>
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<td>MFET 4620L 2</td>
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<td>MFET 4830 1</td>
<td>Directed Readings</td>
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<td>TBA</td>
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<td>Orr, Ricky</td>
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</tbody>
</table>
MFET 4830 1 Directed Readings TBA TBA Harward, Kelly
Full Semester

MFET 4830 1 Directed Readings TBA TBA Baugh, Mark
Full Semester

MFET 4890 1 Cooperative Work Experience TBA TBA Orr, Ricky
Full Semester
Open to all fourth year students in Manufacturing Engineering Technology. A continuation of MFET 1890.

MFET 4890 1 Cooperative Work Experience TBA TBA Harward, Kelly
Full Semester
Open to all fourth year students in Manufacturing Engineering Technology. A continuation of MFET 1890.

MFET 4890 1 Cooperative Work Experience TBA TBA Baugh, Mark
Full Semester
Open to all fourth year students in Manufacturing Engineering Technology. A continuation of MFET 1890.

MFET 4890 3 Cooperative Work Experience TBA TBA Orr, Ricky
Full Semester

MFET 4995 1 CMfgT Exam Review 1330-1420 F ET247 Orr, Ricky
Full Semester
This course is designed to provide a structured review for the student to take the Certified Manufacturing Technologist (CMfgT) Exam.

MGMT 3010 3 Organizational Behavior & TBA TBA OL Hansen, Shaun
Block 2
Focus of the course is on individual and group behavior in an organizational setting and on decision processes. Examples of topics included are motivation, group behavior, organizational design and development, organizational culture, and decision making theory.

MGMT 3010 3 Organizational Behavior & TBA TBA OL Morgan, James
Full Semester
Focus of the course is on individual and group behavior in an organizational setting and on decision processes. Examples of topics included are motivation, group behavior, organizational design and development, organizational culture, and decision making theory.

MGMT 3010 3 Organizational Behavior & 1200-1315 TR WB114 Anderson,
Full Semester
Focus of the course is on individual and group behavior in an organizational setting and on decision processes. Examples of topics included are motivation, group behavior, organizational design and development, organizational culture, and decision making theory.

MGMT 3010 3 Organizational Behavior & 1730-2030 W WB117 Mc Clement,
Block 1
Focus of the course is on individual and group behavior in an organizational setting and on decision processes. Examples of topics included are motivation, group behavior, organizational design and development, organizational culture, and decision making theory.
Note: This class will be taught in English by someone who is also fluent in Spanish.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>MGMT 3010</td>
<td>Organizational Behavior &amp; Decision</td>
<td>3</td>
<td>Full Semester</td>
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<td>WB104</td>
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<tr>
<td></td>
<td>Processes</td>
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<tr>
<td></td>
<td>Focus of the course is on individual and group behavior in an organizational setting and on decision processes. Examples of topics included are motivation, group behavior, organizational design and development, organizational culture, and decision making theory.</td>
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<tr>
<td>MGMT 3200</td>
<td>Managerial Communications</td>
<td>3</td>
<td>Block 2</td>
<td>T</td>
<td>1730 - 2030</td>
<td>D02103</td>
<td>Good, Jeffery</td>
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<tr>
<td></td>
<td>Study of corporate communication methods to improve communication in organizations. Written and oral reports tailored to achieve strategic goals contingent upon business situations.</td>
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<tr>
<td>MGMT 3300</td>
<td>Human Resource</td>
<td>3</td>
<td>Full Semester</td>
<td>TBA</td>
<td>TBA</td>
<td>OL</td>
<td>Feller, Michelle</td>
</tr>
<tr>
<td></td>
<td>Study of principles and methods in managing specific aspects of human resources, either as an operating manager or as a human resource specialist. Topics include: legal constraints in managing human resources, strategic planning of human resources, recruitment, selection, orientation, performance evaluation, employee/labor relations and communication programs, safety and health, and work scheduling. The computer will be used for analysis in certain areas studied.</td>
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<tr>
<td>MGMT 3350</td>
<td>Employment &amp; Labor Law</td>
<td>3</td>
<td>Full Semester</td>
<td>W</td>
<td>1730 - 2010</td>
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<tr>
<td></td>
<td>This course will focus on legal and ethical issues most closely associated with Human Resource Management. Title VII of the Civil Rights Act of 1964, ADEA, and ADA form the heart of this course. Other topics include FLSA, OSHA, ERISA, sexual harassment, drug testing and privacy. Labor law issues include preventing unionization, and dealing effectively with a union.</td>
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<tr>
<td>MGMT 3400</td>
<td>International Business</td>
<td>3</td>
<td>Block 2</td>
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<td>1730 - 2030</td>
<td>D02104</td>
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<td>This class will be taught in English by someone who is also fluent in Spanish.</td>
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<tr>
<td>MGMT 4300</td>
<td>Leadership/Group</td>
<td>3</td>
<td>Block 1</td>
<td>S</td>
<td>0830 - 1730</td>
<td>D02114</td>
<td>Fox-Kirk,</td>
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<tr>
<td></td>
<td>This class will meet on Fridays from 5:00PM - 9:00PM and Saturdays from 8:30AM - 5:30PM on the following dates: August 30th &amp; 31st, September 6th &amp; 7th, September 13th &amp; 14th.</td>
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<tr>
<td>MGMT 4320</td>
<td>Staffing Organizations</td>
<td>3</td>
<td>Full Semester</td>
<td>R</td>
<td>1730 - 2010</td>
<td>WB116</td>
<td>Belnap,</td>
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<td>Designed to provide students with the knowledge and skills necessary to effectively analyze and project organizational staffing requirements, recruit and select candidates, and effectively place employees in today's complex organizations. Includes treatment of legal aspects of staffing process.</td>
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<tr>
<td>MGMT 4400</td>
<td>Adv Organizational Behavior</td>
<td>3</td>
<td>Full Semester</td>
<td>W</td>
<td>1730 - 2010</td>
<td>WB112</td>
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<td></td>
<td>An in-depth study of leadership and organizational behavior. Focus is on the structural and behavioral variables that are most significant for organizational effectiveness. Both theory and application are emphasized.</td>
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<td>Course Code</td>
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<td>Course Time</td>
<td>Instructor</td>
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<td>MGMT 4410</td>
<td>Leadership Through</td>
<td>3</td>
<td>Full Semester</td>
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<tr>
<td>22949</td>
<td><strong>This course will provide students access to the concepts and skills to possess the competencies, commitment, emotional intelligence and character to be effective leaders. While competencies and commitment are important, character plays a critical role in leadership behavior and will be the focus of this course. By character it is meant the combination of traits, values and virtues that are recognized as admired and appreciated in leaders, providing them with the expertise to exercise quality of judgment and decision-making. For example, in the financial crisis of 2008 – 2009 some corporate leaders’ needs for instant gratification triumphed over temperance; and others who knew ethical risks were taken remained silent because they did not have the skills or courage to speak up. A component of this course is to explore the fundamentals of corporate governance, emphasizing the leader’s responsibility to make ethical, socially responsible, legal, and wise financial decisions on behalf of the organization. We will explore a number of corporate examples that demonstrate positive and negative character development. Effective corporate governance requires leaders know the purpose or values of the organization, design the space of the organization to achieve its purpose, organize the flow of power within the organization, and manage the relationships of the key stakeholders in the organization: owners, directors, managers, employees, customers, suppliers, regulators, and the wider community of which the organization is a member. The skills and knowledge acquired in this course are transferable to other areas of life including one’s community service and interaction with family and friends.</strong></td>
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<tr>
<td>MGMT 4800</td>
<td>Independent Research</td>
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<td>Full Semester</td>
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<tr>
<td>24391</td>
<td><strong>This course will provide students access to the concepts and skills to possess the competencies, commitment, emotional intelligence and character to be effective leaders. While competencies and commitment are important, character plays a critical role in leadership behavior and will be the focus of this course. By character it is meant the combination of traits, values and virtues that are recognized as admired and appreciated in leaders, providing them with the expertise to exercise quality of judgment and decision-making. For example, in the financial crisis of 2008 – 2009 some corporate leaders’ needs for instant gratification triumphed over temperance; and others who knew ethical risks were taken remained silent because they did not have the skills or courage to speak up. A component of this course is to explore the fundamentals of corporate governance, emphasizing the leader’s responsibility to make ethical, socially responsible, legal, and wise financial decisions on behalf of the organization. We will explore a number of corporate examples that demonstrate positive and negative character development. Effective corporate governance requires leaders know the purpose or values of the organization, design the space of the organization to achieve its purpose, organize the flow of power within the organization, and manage the relationships of the key stakeholders in the organization: owners, directors, managers, employees, customers, suppliers, regulators, and the wider community of which the organization is a member. The skills and knowledge acquired in this course are transferable to other areas of life including one’s community service and interaction with family and friends.</strong></td>
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<tr>
<td>MGMT 4860</td>
<td>Management Internship</td>
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<td>Full Semester</td>
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<td>Fox-Kirk,</td>
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<tr>
<td>22913</td>
<td><strong>A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through the Management program courses. Students receiving credit in this course cannot also receive credit in MGMT 4865.</strong></td>
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<tr>
<td>MGMT 4865</td>
<td>Human Resource Internship</td>
<td>3</td>
<td>Full Semester</td>
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<td>Fox-Kirk,</td>
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</tr>
<tr>
<td>22903</td>
<td><strong>A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through the Human Resource or Management program. Students receiving credit in this course cannot receive credit for MGMT 4860.</strong></td>
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<tr>
<td>MHA 6000</td>
<td>Health Systems &amp; Healthcare</td>
<td>3</td>
<td>Block 1</td>
<td></td>
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<td>Carter, Darcy</td>
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</tr>
<tr>
<td>20610</td>
<td><strong>In-depth analysis and synthesis of all aspects of the health care delivery system emphasizing improvement of health care delivery and access. Examines the complex organizational dynamics and structures that predicate the interaction among major components of the U.S. health care system, including service provider settings in which care is provided. The course surveys the funding systems and regulatory structures for financing healthcare delivery and resource management in health services organizations. Current reform debates will be challenged.</strong></td>
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<tr>
<td>MHA 6100</td>
<td>Lead/Manage People in Health</td>
<td>3</td>
<td>Block 1</td>
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<td>Millner, Ann</td>
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<tr>
<td>20611</td>
<td><strong>The course content emphasizes visionary leadership and management of diverse healthcare professionals in complex organizational structures. Individual leadership talents in handling various organizational challenges, such as leading organization change, building strong culture, developing effective teams, resolving conflicts, implementing effective motivational systems, and nurturing a learning organization are investigated.</strong></td>
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<tr>
<td>MHA 6140</td>
<td>Long-term Care</td>
<td>3</td>
<td>Block 2</td>
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<td>Jones, Brent</td>
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<tr>
<td>20625</td>
<td><strong>Seminar analysis of effect of chronic conditions and aging on delivery of health services, nursing homes and alternatives, mental health facilities and agencies, and rehabilitation facilities and services. Field trips and individual research projects.</strong></td>
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<td>MHA 6200</td>
<td>Population Health &amp; Data Analysis</td>
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<tr>
<td>20612</td>
<td><strong>Seminar analysis of effect of chronic conditions and aging on delivery of health services, nursing homes and alternatives, mental health facilities and agencies, and rehabilitation facilities and services. Field trips and individual research projects.</strong></td>
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</table>
The course addresses the integration of population health into strategic planning and managerial decision-making in health services organizations. Epidemiological principles, social determinates of health, and the improvement of health of the entire population from clinical and managerial perspectives are addressed. This course teaches the necessary fundamentals of data analytics and engages students in the process of analyzing data related to population health topics. Course work includes environmental analysis of community health, and health behaviors and lifestyle that impact demand on health care delivery systems. The student will evaluate models for integration of health services, preventive programs, demand management, and policy issues affecting continuity of care.

MHA 6240  3  Human Resources Mgmt in Health Services  1730 - 2010  T  D03205  Bateman, Block 2

Human resources management in healthcare organizations including recruitment and selection of employees, benefits and compensation management, privileging and credentialing of health professionals, performance evaluation, staffing plans, labor relations and labor law relevant to health care organizations.

MHA 6350  3  Decision Making for HC  1730 - 2010  R  D03205  Bateman, Block 1

The exploration and application of both quantitative and qualitative data analysis in healthcare organizations. How top level healthcare leaders use the myriad data that comes across their desks to work toward, and to achieve, their organization's mission.

MHA 6440  3  Health Ethics and Law  1730 - 2010  T  D03206  Crockett, Block 1

Selected legal principles and their application to health field. Legal aspects of corporate liability, medical malpractice, admission and discharge processes, medical staff bylaws, informed consent, nursing, patients' rights, medical records, and governmental regulation of personnel and health facilities.

MHA 6450  3  Health Informatics  1730 - 2010  R  D03206  Gathers, Mary Block 2

This course addresses the concepts and application of health informatics. Topics addressed in the course include: interoperability, IT standards, privacy and security of health information, cybersecurity, strategic planning for IT, and emerging trends in health informatics. Emphasis is placed on the use of data analytics to support management decision making.

MICR 1113  3  LS Intro to Microbiology  0730 - 0845  TR  LL130  Crook, Full Semester

MICR 1113  3  LS Intro to Microbiology  1030 - 1120  MWF  LL130  Sondossi, Full Semester

MICR 1113  3  LS Intro to Microbiology  1030 - 1145  TR  TY426  Sondossi, Full Semester

MICR 1113  3  LS Intro to Microbiology  1430 - 1520  MWF  LL130  Lorowitz, Full Semester

MICR 1113  3  LS Intro to Microbiology  1730 - 2010  W  TY342  Full Semester

MICR 1113  3  LS Intro to Microbiology  1730 - 2010  R  TY342  Call, Evan Full Semester
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<td>OL</td>
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<td>LS Intro to Microbiology</td>
<td>3</td>
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<td>Lorowitz</td>
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<td>20968</td>
<td>MICR 1153</td>
<td>LS Elementary Public Health</td>
<td>3</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>TY234</td>
<td>Clark, Daniel</td>
</tr>
<tr>
<td>20970</td>
<td>MICR 1153</td>
<td>LS Elementary Public Health</td>
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<td>TBA</td>
<td>OL</td>
<td>Oberg, Craig</td>
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<td>20973</td>
<td>MICR 1153</td>
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<td>TBA</td>
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<td>Culumber</td>
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<td>2054</td>
<td>MICR 2054</td>
<td>LS Principles of Microbiology</td>
<td>4</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>WB206</td>
<td>Culumber</td>
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To access online course materials, please go to your Student Portal, log into eWeber and click on WSU Online-Canvas.

Course Fee $20.00. Prereq: CHEM 1210 or CHEM 1110 or CHEM 1200 or equivalent. Must register for a lab. CRNs 20979, 20980, 20981 or 20982. This course is designed for Science Majors and consists of 3 one-hour lectures and 1 two-hour lab per week. Waitlists cannot be accommodated due to multiple labs.
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<th>Lecturer</th>
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<td>20979</td>
<td>MICR 2054</td>
<td>Principles of Microbiology</td>
<td>0</td>
<td>Full Semester</td>
<td>0930 - 1120 T</td>
<td>TY462</td>
<td>Culumber, Due to multiple labs offered, waitlists cannot be accommodated. Must register for a lecture. CRN 20977.</td>
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<tr>
<td>20980</td>
<td>MICR 2054</td>
<td>Principles of Microbiology</td>
<td>0</td>
<td>Full Semester</td>
<td>1130 - 1320 T</td>
<td>TY462</td>
<td>Crook, Due to multiple labs offered, waitlists cannot be accommodated. Must register for a lecture. CRN 20977.</td>
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<td>Principles of Microbiology</td>
<td>0</td>
<td>Full Semester</td>
<td>1330 - 1520 T</td>
<td>TY462</td>
<td>Due to multiple labs offered, waitlists cannot be accommodated. Must register for a lecture. CRN 20977.</td>
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<td>20982</td>
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<td>Laboratory Safety</td>
<td>1</td>
<td>Full Semester</td>
<td>1230 - 1320 M</td>
<td>LL130</td>
<td>Wachocki, This course is cross-listed with Botany, Chemistry, Earth and Environmental, Microbiology, and Physics.</td>
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<td>20983</td>
<td>MICR 3053</td>
<td>Microbiological Procedures</td>
<td>3</td>
<td>Full Semester</td>
<td>1030 - 1120 TR</td>
<td>TY464</td>
<td>Lorowitz, Course Fee $20.00. Prereq: MICR 2054 and MATH 1050 or MATH 1080 or MATH 1210. Must register for a lab. CRNs 20987 or 20988. This course consists of 2 lectures and 1 two-hour lab per week. Waitlists cannot be accommodated due to multiple labs.</td>
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<td>20987</td>
<td>MICR 3053</td>
<td>Microbiological Procedures</td>
<td>0</td>
<td>Full Semester</td>
<td>1130 - 1320 T</td>
<td>TY464</td>
<td>Lorowitz, Due to multiple labs offered, waitlists cannot be accommodated.</td>
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<td>20988</td>
<td>MICR 3053</td>
<td>Microbiological Procedures</td>
<td>0</td>
<td>Full Semester</td>
<td>1630 - 1820 T</td>
<td>TY464</td>
<td>Lorowitz, Due to multiple labs offered, waitlists cannot be accommodated.</td>
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<td>20990</td>
<td>MICR 3154</td>
<td>Microbial Ecology</td>
<td>4</td>
<td>Full Semester</td>
<td>0930 - 1020 MWF</td>
<td>TY342</td>
<td>Sondossi, Prereq: MICR 2054. Must register for a lab. CRN 20992. This course consists of 3 lectures and 1 three-hour lab.</td>
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<td>20992</td>
<td>MICR 3154</td>
<td>Microbial Ecology LAB</td>
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<td>Full Semester</td>
<td>1330 - 1620 T</td>
<td>TY463</td>
<td>Sondossi,</td>
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<tr>
<td>20994</td>
<td>MICR 3203</td>
<td>Immune System in</td>
<td>3</td>
<td>Full Semester</td>
<td>1130 - 1220 MWF</td>
<td>TY234</td>
<td>Nakaoka, This course is also taught on the same days and times as MICR 3254 and consists of 3 lectures per week. This course is intended for a student studying Medical Lab Sciences or someone who wants to know more about the human immune system. This course is not intended as a first course in Biology and it cannot be used as a Microbiology elective course for Microbiology majors.</td>
</tr>
<tr>
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<td>MICR 3203</td>
<td>Immune System in</td>
<td>3</td>
<td>Full Semester</td>
<td>TBA</td>
<td>TBA OL</td>
<td>Nakaoka, To access online course materials, please go to your Student Portal, log into eWeber and click on WSU Online-Canvas. This course is not intended as a first course in Biology. This course cannot be used as a Microbiology elective course for Microbiology majors.</td>
</tr>
</tbody>
</table>

To access online course materials, please go to your Student Portal, log into eWeber and click on WSU Online-Canvas. This course is not intended as a first course in Biology. This course cannot be used as a Microbiology elective course for Microbiology majors.
20997

MICR 3254 4 Immunology 1130 - 1220 MWF TY234 Nakaoka,
Full Semester

Course Fee $20.00. Prereq: MICR 2054 or consent of instructor. Must register for a lab. CRN's 20999 or 21000. This course consists of 3 lectures and 1 three-hour lab per week. Waitlists cannot be accommodated due to multiple labs.

20999

MICR 3254 0 Immunology LAB 1330 - 1620 W TY234 Nakaoka,
Full Semester

Due to multiple labs offered, waitlists cannot be accommodated.

21000

MICR 3254 0 Immunology LAB 1330 - 1620 W TY464 Nakaoka,
Full Semester

Due to multiple labs offered, waitlists cannot be accommodated.

21001

MICR 3403 3 Tropical Diseases 1030 - 1120 TR TY102 Clark, Daniel
Full Semester

Prereq: MICR 2054. Must register for a lab. CRN 21002. This course consists of 2 one-hour lectures and 1 three-hour lab per week.

21002

MICR 3403 0 Tropical Diseases LAB 1330 - 1620 T TY464 Clark, Daniel
Full Semester

Due to multiple labs offered, waitlists cannot be accommodated.

21004

MICR 3502 2 Environmental Health 1330 - 1520 R TY342 Culumber,
Full Semester

Prereq: MICR 1113 or MICR 2054 or consent of instructor. This course consists of 1 lecture per week. This course is team taught with Dr. Culumber and Dr. Nakaoka.

21005

MICR 3603 3 Adv Micro for Health TBA TBA OL Nakaoka,
Full Semester

To access online course materials, please go to your Student Portal, log into eWeber and click on WSU Online-Canvas. This course is intended for students in the Clinical Laboratory Sciences and those working in that field. This course cannot be used as a Microbiology elective course for Microbiology majors.

21009

MICR 3853 3 Food Microbiology 0930 - 1020 TR TY342 Oberg, Craig
Full Semester

Prereq: MICR 2054. Must register for a lab. CRN 21011. This course consists of 2 one-hour lectures and 1 two-hour lab per week.

21011

MICR 3853 0 Food Microbiology LAB 1130 - 1320 R TY462 Oberg, Craig
Full Semester

Due to multiple labs offered, waitlists cannot be accommodated.

21014

MICR 4054 4 Microbial Physiology 0830 - 0920 MWF TY234 Crook,
Full Semester

Prereq: MICR 2054 and completion of or concurrent Registration in CHEM 3070. Must register for a lab. CRN's 21015 or 21016. This course consists of 3 lectures and 1 three-hour lab per week. Waitlists cannot be accommodated due to multiple labs.

21015

MICR 4054 0 Microbial Physiology LAB 1330 - 1620 R TY463 Crook,
Full Semester

Due to multiple labs offered, waitlists cannot be accommodated.

21016

MICR 4054 0 Microbial Physiology LAB 1330 - 1620 R TY464 Clark, Daniel
Full Semester
Due to multiple labs offered, waitlists cannot be accommodated.

**MICR 4252 2**  
Cell Culture  
1430 - 1620  
MW  
TY436  
Clark, Daniel  

21017 Full Semester  
Course Fee $25.00. Prereq: MICR 2054 or BTNY 2104 and BTNY 2121. This course consists of 2 two-hour combined lecture and lab per week.

**MICR 4570 3**  
Sec Science Teaching  
1630 - 1920  
W  
TY209  
Johnston,  

23345 Full Semester  
It is recommended that this course be completed immediately before student teaching. This course is cross-listed with Botany, Chemistry, Earth and Environmental, Microbiology, Physics and Zoology.

**MICR 4800 1**  
Directed Research  
TBA  
TBA  
Clark, Daniel  

21018 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 2**  
Directed Research  
TBA  
TBA  
Clark, Daniel  

21019 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 1**  
Directed Research  
TBA  
TBA  
Crook,  

21020 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 2**  
Directed Research  
TBA  
TBA  
Crook,  

21021 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 1**  
Directed Research  
TBA  
TBA  
Culumber,  

21022 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 2**  
Directed Research  
TBA  
TBA  
Culumber,  

21023 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology course work. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.

**MICR 4800 1**  
Directed Research  
TBA  
TBA  
Domek,  

21024 Full Semester  
Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6
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<th>Days</th>
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<td>21025</td>
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<td>Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.</td>
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<td>Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.</td>
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<td>Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.</td>
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<td>MICR 4800</td>
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<td>Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.</td>
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<td>Instructor approval/override is required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 3 credit hours may count toward major. You will be conducting research projects at various times and days in the Microbiology labs -TY462, TY463 and TY464.</td>
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Instructor approval/override required before registering. Prereq: Consent of instructor and a minimum of 6 credits of upper division Microbiology coursework. No more than 2 credit hours may count toward major.

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Microbiology Department who meet the minimum requirements. This course provides academic credit for pre-professional shadowing/on-the-job experience. Grade and amount of credit will be determined by the Pre-Professional advisor.

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This course is for students interested in working as a Lab TA for MICR 2054 labs. Student must be available for one of the MICR 2054 lab times. Instructor approval required before registering.

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Advisor approval required before registering. This course is available for students in the Microbiology Department who meet the minimum requirements. This course provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the Microbiology Department.

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This course consists of current topics in Microbiology and is offered 1 hour per week. Prereq: Previous upper division courses in the Microbiology Department.

<table>
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<td>Intro Army &amp; Critical Thinking</td>
<td>3</td>
<td>1330 - 1520</td>
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Introduces cadets to the personal challenges and competencies critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management and comprehensive fitness relate to leadership and the Army profession. A three hour weekly leadership lab is included, as well as one weekend field training exercise during the semester. Participation in weekly physical fitness training is expected and should be taken as MILS 2400.

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>MILS 2010 3</td>
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<td>MILS 3010 4</td>
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Builds on previous leadership instruction enhancing student skills in land navigation, small unit tactics, written and oral communication, event planning, group coordination and effectiveness and first aid. During this course students develop basic skills for leading others in a tactical environment. A three-hour weekly leadership lab is required (MILS 0000) as well as a one weekend field training exercise during the semester. Optional participation in weekly physical fitness training is recommended.

A physical conditioning course that employs U.S. Army principles of fitness. Subjects include: body composition, nutrition, cardiorespiratory fitness, muscle endurance and strength, circuit training and drills. Students registered for MILS 1010, 1020, 2010 or 2020 are encouraged to enroll in this course to gain the full perspective of the physical demands required to be an Army officer. This course may be repeated up to four times for credit.

This course will explore both functional and dysfunctional behavior in leadership roles. Using examples from military and civilian leadership, this course will teach leadership techniques essential for future managers and leaders that will be of great value to both civilian and military leaders. It will focus on ethical/moral, historical, and social influences and examine outlook, styles, skills, and behavior essential for providing successful leadership. This will culminate in a hands-on team-building exercise.

No prerequisites. Students are NOT required to be enrolled in a ROTC course, nor to do so in the future.

Develops leadership skills within the framework of the U.S. Army. This course focuses on theory and application of decision making, planning, organizing, management control, and communications. Also emphasizes small unit tactics and advanced land navigation skills. A three-hour weekly leadership lab is required (MILS 0000) as well as three, one-hour physical fitness sessions per week, and one weekend field training exercise during the semester.

This course focuses on the functions and roles of the commander/leader and the staff. Subject matter includes problem solving, planning techniques and procedures, written and oral communications, training management and evaluation systems. A three-hour weekly leadership lab to enhance leadership skills and apply classroom instruction to hands on training and execution is included. A $75 lab fee is required. Students must participate in up to three, one-hour physical fitness sessions per week, which should be taken as MILS 4400, to satisfy requirements of the Military Science minor. One weekend field training exercise is required during the semester.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>This course provides advanced instruction in physical fitness employing Army techniques and procedures. Students assist Military Science faculty in the planning/conduct of physical fitness training activities performed by lower division students. Requires instructor permission. This course may be repeated up to four times for credit.</td>
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<td>The explosive growth of information technologies in general, and the Internet in particular, has irreversibly changed the way we work and play. This course prepares students to be knowledgeable citizens of cyberspace. It reviews our social institutions and how they are being impacted by information technology as well as the ways in which technology has been shaped by our social institutions. The course also provides hands-on experience with a variety of Internet tools.</td>
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<td>This course prepares all students in business and economics to demonstrate current competence in desktop software commonly used in the business environment. The course covers computer competencies students will use in their business functional and cross-functional core courses, using more complex features of desktop software. It is followed by a hands-on exam that tests these competencies. Credit/No credit.</td>
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<td>Overview of the role and use of information systems to support individual, group, and business decision-making. Includes coverage of technology’s role in supporting the business decision-making process. It will prepare students to use information technologies effectively to improve productivity and promote competitive position in the marketplace.</td>
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Overview of the role and use of information systems to support individual, group, and business decision-making. Includes coverage of technology’s role in supporting the business decision-making process. It will prepare students to use information technologies effectively to improve productivity and promote competitive position in the marketplace.

**MIS 2020 3**  
Intro to Information Systems  1730 - 2010  M  WB105  Le, Taowen  
22625  
Full Semester

Overview of the role and use of information systems to support individual, group, and business decision-making. Includes coverage of technology’s role in supporting the business decision-making process. It will prepare students to use information technologies effectively to improve productivity and promote competitive position in the marketplace.

**MIS 2030 3**  
Intro to Business Analytics  1030 - 1145  MW  WB120  Zhang, Lixuan  
22632  
Full Semester

Business analytics refer to the ways in which organizations use data to gain insights and make better decisions, and has become a critical capability for organizations of all types and sizes. It is applied in various business functions including marketing, finance, human resources, operation and strategic planning. This course covers basic analytic methods used by organizations. Students will learn how to explore, manipulate and present data. They will also learn how to use data to develop insights and predictive capabilities by using predictive analytics techniques.

**MIS 2030 3**  
Intro to Business Analytics  1730 - 2010  W  WB120  Song,  
22635  
Full Semester

This course introduces the student to the fundamentals of software construction using a contemporary programming language. This includes the IDE (Integrated Development Environment), syntaxes of the language, basic programming constructs, data representation, object concepts, programming flow control and problem solving logic. Students will design, program and debug several business application projects.

**MIS 2110 3**  
Software Development I  0900 - 1015  TR  WB120  Le, Taowen  
22637  
Full Semester

This course provides a comprehensive coverage of business database systems. Students will learn how to design, implement and manage databases. They will learn both GUI interface and how to use the Structured Query Language (SQL). They will also gain experience in using an enterprise level, multi-user database.

**MIS 3210 3**  
Database Design &  1730 - 2010  R  WB120  Le, Taowen  
22640  
Full Semester

This course provides an introduction to the design, operation, and management of telecommunication systems. It covers computer network definitions, concepts and principles, including (but not limited to): server management; topologies; protocols; standards; and fundamental concepts related to data communication networks.

**MIS 3610 3**  
Networks & Data Comm I  1730 - 2010  T  D02318  Boyle, Randall  
22642  
Full Semester

In this intensive hands-on course, the student will acquire the skills and techniques needed to configure, troubleshoot and support reliable TCP/IP internetworks. The student will learn the essentials of building an internetwork, including routing, configuring the Domain Name Server (DNS), setting up and managing a web server, configuring a firewall and IDS, and standards-based email. Students will also participate in configuring clients, redesigning networks and troubleshooting routing.

**MIS 3620 3**  
Networks & Data Comm II  TBA  TBA  Clements, Jeff  
22647  
Full Semester
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</table>

This course shows how information technology is used as a key competitive advantage by multinational and transnational businesses. Topics include global perspectives on coordination and control, cultural dimensions, and geo-political considerations of global information technology applications.

This course looks at management issues and practical implications related to securing information systems. This course focuses on the threat environment, security policy and planning, cryptography, secure networks, access control, firewalls, host hardening, application security, data protection, incident response, and networking.

New information technologies can give early adopters significant competitive advantage when used with careful planning, or they can mean disaster if hastily implemented. This course covers how to conduct an environmental scan toward evaluating and implementing new information technologies.

This course covers project management principles, methodology, and tools. It also provides the knowledge and skills to design and implement computer-based systems to solve business problems. Topics include the planning and management of IT and software development projects, requirement analysis, system design and development, implementation and testing.

This course includes planning, implementation, and control of the marketing process; consumer behavior; marketing research; segmentation and target marketing; and consideration of price, place, and promotion.

The application of psychological, sociological, and anthropological findings to the purchase and consumption of goods and services by ultimate and industrial consumers.
MKTG 3200 3 Selling & Sales Management 0900 - 1015 TR WB116 Allred, Tony

Full Semester

Theory, methods, and techniques of personal selling in professional settings including analysis of buyer behavior, the delivery of customer satisfaction, and integration of personal selling with other marketing communication tools. Sales management includes managing the sales force, salesperson selection, deployment, compensation, training, field supervision and industrial marketing management.

MKTG 3450 3 CEL Promotion Management 1030 - 1145 TR WB116 Allred, Tony

Full Semester

Strategic development of advertising, sales, sales management, public relations, and sales promotion programs.

MKTG 3500 3 Services & Sports Marketing 0900 - 1015 MW WB103 King, Jesse

Full Semester

Marketing education has traditionally focused on the marketing of goods. However, services account for the majority of the economic activity in the United States and much of the developed world. In order to successfully develop and manage service products, marketers must understand the characteristics that differentiate them from conventionally manufactured goods. This course aims to systematically study these characteristics and the challenges they present to marketers in service organizations. The latter half of the course will focus on sports marketing as a special form of services marketing.

MKTG 3600 3 International Marketing TBA TBA OL King, Jesse

Full Semester

In this course students will learn the problems and procedures of marketing in foreign countries, including effects of foreign cultures and marketing systems on the design of marketing programs.

MKTG 4200 3 Internet Marketing 1730 - 1845 MW WB119 Amos, Clinton

Full Semester

This course is an elective course for Information Systems & Technologies and Marketing majors. The course deals with the steps used in developing a marketing plan, orienting the plan to developing an Internet presence, and developing a World-Wide Web site to implement the on-line components of the plan.

MKTG 4400 3 Marketing Strategy 0730 - 0845 TR WB103 King, Sky

Full Semester

This course centers on gaining and sustaining competitive advantages. It entails analyzing customers, competitors, and internal capabilities; then making appropriate product, pricing, promotion, and distribution decisions.

MKTG 4860 3 Marketing Internship TBA TBA Fox-Kirk,

Full Semester

A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through the Marketing courses.

MLS 1001 1 Online Orientation AAS TBA TBA OL Kranek, Cindi

21842 Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal.

MLS 1010 4 Core Clinical Lab Skills TBA TBA OL Thomas,

21843 Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal.

MLS 1113 4 Intro to Medical Lab Practices TBA TBA OL Thomas,

21846 Full Semester

To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $52.00
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To access online course materials, please select the Canvas icon located in your eWeber portal. Course Fee: $52.00

**MLS 1113**: Principles and applications to laboratory testing including safe practices for the laboratory practitioner, specimen quality assurance, phlebotomy, urinalysis, basic concepts in clinical immunology, clinical chemistry, and clinical microbiology. Laboratory session addresses the principles and applications involved in medical laboratory assisting to include safety, microscopy, specimen processing, quality assurance, phlebotomy, and urinalysis; with a focus on Point of Care testing (POCT) in clinical immunology, clinical chemistry, and clinical microbiology. *Acceptance into the Online MLS AAS Program required to take this course Online.

**MLS 1114**: Fundamental theories of hematopoiesis, routine laboratory evaluation of blood components using standard instrumentation and microscopic methods, including safety and quality control. Fundamental theories of hemostasis and introduction to abnormal hematology. Introduction to routine laboratory methods in hemostasis. At least one semester of chemistry and one semester of anatomy/physiology is recommended prior to taking this course. *Acceptance into the Online MLS AAS Program required to take this course Online.
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<td>A discipline-specific course which tailors applied laboratory mathematics and clinical statistics to all areas of the medical laboratory with emphasis in clinical chemistry. Topics to include reagent preparation, specimen dilution protocols, quality assurance and quality control, practical applications of common statistical tests, and statistical analysis using Microsoft Excel. The course is designed to complement the mathematics component of Clinical Chemistry MLS 2211 and MLS 2213.</td>
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<td>This course begins with a comprehensive review of introductory clinical bacteriology and mycology, along with a culture site approach to clinical bacteriology for the laboratory identification of pathogens by traditional manual methods. Diagnostic molecular biology of infectious microorganisms will also be covered and will include background of nucleic acid chemistry along with current molecular methodologies of detection. **Acceptance into the MLS BS Program required</td>
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Concepts, methods and clinical correlation of clinical chemistry tests are presented. Emphasis is on testing methods and quality control practices covering carbohydrates, bilirubin, non-protein nitrogen, electrolytes, proteins, lipids, enzymes, therapeutic drug monitoring, toxicology, and endocrinology. These topics will include...
clinical correlation with diseases, allowing students to understand conditions in which abnormal results and or data might be obtained.

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<td>This course provides a survey of major theoretical perspectives in the field of communication with an emphasis on how theory can be applied in interpersonal, group, organizational and mass communication contexts. Students also learn about the logic of communication inquiry, the nature and expectations of graduate study, and techniques for conducting literature searches and writing literature reviews.</td>
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<td>Creating, facilitating and coaching effective work groups and teams is one of the hardest soft skills for organizational professionals to master. This course examines the impact that different structures and communication processes have on group and team collaboration effectiveness, as well as the central role competent communication plays in effective group and team facilitation. It investigates structural and process issues of team building, interpersonal and group communication, and effective problem solving and decision-making skills in collaborative environments. Students should have a greater understanding of their own collaborative teaming abilities upon completion. The purpose of this course is to teach—and have students experience—strategies and tactics for building, working effectively within, and facilitating collaborative teams in the workplace.</td>
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<td>This course provides a graduate-level overview and introduction to the discipline of organizational communication in a global world. Class readings and discussions will include topics such as organizational structure/process, rationality and decision-making, (sub)cultures and socialization, individual and collective identities, networks, leadership, teams, power/control, conflict, change, technologies, and ethics. Case studies from current events and guest speakers will be used to apply theoretical concepts to actual organizational life.</td>
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<td>The study and application of professional communication in contemporary society is dynamic and ever changing. This course will provide students with opportunities to explore specialized topics in a seminar format. This course may be taken twice as elective credit with different titles and topics.</td>
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<td>Communication must be measured in order to evaluate its effectiveness, to refine and improve results, and to demonstrate value to an organization. This course reviews methods available to professional communicators to measure and evaluate research regarding the performance of a particular communication medium or an integrated communication campaign. Students receive instruction on commonly used professional research methodologies such as focus groups, surveys, usability studies and test-and-control methods to learn how to run studies on a “ shoestring budget.” For projects with research budgets, students learn what to look for when hiring a research firm and how to evaluate and implement the research findings.</td>
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<td>In this course students will begin their theses or projects under the direction and with the support of their faculty committees. They will write, present and have their thesis or project proposal approved.</td>
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<td>This course will allow students to complete their workplace project or traditional academic thesis. Students will prepare, present and defend their projects or theses during this semester for review and approval. This course is repeatable for a total of 2 times for a total of 9 credit hours of which only 3 will apply to degree</td>
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This course explores the process and methods of scientific inquiry and interpretation of research findings in athletic training. Students will gain familiarity with the major elements of research including literature review, quantitative and qualitative methodology, design, evaluation of research, statistical analysis, presentation of data, and ethical considerations. This course also provides an overview of statistics including descriptive and inferential statistics and one-way ANOVA. Students should have a basic understanding of conducting library and Internet information searches prior to taking this course.

This course is designed to help students complete a master's thesis research project. Basic statistical analysis will be reviewed and advanced statistics will be introduced. Students will collect and analyze data and synthesize results. At the completion of the course, students will submit a full manuscript, suitable for publication, along with an abstract and a professional poster.

This course is designed to help students complete a master's thesis research project. Basic statistical analysis will be reviewed and advanced statistics will be introduced. Students will collect and analyze data and synthesize results. At the completion of the course, students will submit a full manuscript, suitable for publication, along with an abstract and a professional poster.

This course is designed to help students complete a master's thesis research project. Basic statistical analysis will be reviewed and advanced statistics will be introduced. Students will collect and analyze data and synthesize results. At the completion of the course, students will submit a full manuscript, suitable for publication, along with an abstract and a professional poster.

This course is designed to help students complete a master's thesis research project. Basic statistical analysis will be reviewed and advanced statistics will be introduced. Students will collect and analyze data and synthesize results. At the completion of the course, students will submit a full manuscript, suitable for publication, along with an abstract and a professional poster.
publication, along with an abstract and a professional poster.

**MSAT 6100  3** Advanced Emergency Care 0900 - 1020  TR  SW229  Donahue, Donahue

*Full Semester*

To prepare graduate athletic training students to respond to life and limb-threatening emergencies. This course also includes advanced wound care, equipment removal, and emergency drug administration. When successfully completed, this course leads to a two-year American Red Cross certification in Emergency Medical Response, CPR/AED for Professional Rescuers, Emergency Oxygen administration, and one-year certification in Bloodborne Pathogens Training.

**MSAT 6300  3** Ortho Assessment: Lower 1030 - 1145  TR  SW315  Gabler, Conrad

*Full Semester*

Content of this course addresses evaluation techniques and care for musculoskeletal injuries to the trunk and lower extremities for graduate-level athletic training students. The student must integrate knowledge of anatomical structures, physiology principles and evaluative techniques to provide a basis for critical decision-making in an injury management environment.

**MSAT 6301  3** Ortho Assessment: Upper 0930 - 1020  MWF  SW229  Cohen, Alysia

*Full Semester*

Content of this course addresses evaluation techniques and care for musculoskeletal injuries to the head, face and upper extremities for graduate-level athletic training students. The student must integrate knowledge of anatomical structures, physiology principles and evaluative techniques to provide a basis for critical decision-making in an injury management environment.

**MSAT 6350  3** General Med. Conditions 0900 - 1015  TR  SW315  Cohen, Alysia

*Full Semester*

Discusses general medical disorders and conditions pertaining to sports medicine and inquire into the latest research of related issues.

**MSAT 6431  2** Orthopedic 1800 - 2040  R  SW315  Bass, Joel

*Full Semester*

This course is designed to give graduate athletic training students a basic understanding of athletic training taping, wrapping, bracing, padding, casting, and splinting techniques. Students will also learn how to properly fit and safely remove athletic protective equipment. Students will apply a variety of techniques to support all areas of the body.

**MSAT 6451  3** Advan Rehab of Injuries 1030 - 1145  TR  SW229  Cohen, Alysia

*Full Semester*

Content of this course provides advanced understanding of therapeutic exercise as it relates to the rehabilitation process of musculoskeletal injuries. This course provides advanced instruction and hands-on techniques in the rehabilitation of an athlete/patient from an injury state to a highly competitive state.

**MSAT 6500  3** Intro to Graduate AT 1030 - 1120  MWF  SW315  Herzog, Herzog

*Full Semester*

Provides an opportunity for students to observe the function of an athletic training facility and become aware of the various duties performed by a Certified Athletic Trainer. Orientes students to the graduate athletic training program.

**MSAT 6503  3** CEL Graduate Practicum III 0930 - 1020  MW  SW315  Stedge, Stedge

*Full Semester*

Provides an opportunity for graduate-level athletic training students to receive skill proficiency testing in the areas of emergency response, CPR/AED, basic therapeutic exercise, sport psychology, pharmacology, nutrition, and strength and conditioning.

This class will begin one week early, on August 19, 2019.

**MSAT 6998  1** Master's BOC Exam 0930 - 1020  F  SW315  Gabler, Conrad

*Full Semester*
This course prepares Graduate Athletic Training students to take the Athletic Trainer Board of Certification (BOC) Exam. This course will review content from all courses in the Master of Science in Athletic Training program as well as content from the program's prerequisite courses. May be taken twice for credit.

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<td>MSE 3360</td>
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<td>MSE 3460</td>
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In-depth coverage of advanced individual tax issues such as alternative minimum tax, loss limitations, real estate transactions, stock options, employment taxes, tax credits, charitable contributions, interest classification, related-party transactions, and timing of income/loss recognition.

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**Principles of gift and estate taxation. Includes a discussion of wills and the income taxation of estates and trusts. Also covers taxation of real estate transactions including like-kind exchanges, involuntary conversions, leases, personal residences, real estate development, and cost segregation.**

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<th>Course Code</th>
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- MUSC 1681: Strings majors and minors only (except guitar). Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
- MUSC 1681: This section is for Guitar majors and minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
- MUSC 1681: This section is for Brass, Woodwinds and Percussion majors and minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
- MUSC 1681: This section is for Vocal majors and minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
- MUSC 1681: This section is for Piano majors and minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
- MUSC 1682: This section is for Strings majors and minors only (except Guitar). Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
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This section is for Strings majors and minors only (except Guitar). Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors. Violins—meet in BC113; Violas—meet in BC211; Cellos—meet in BC210; String Basses—meet in BC125; Harps—meet in BC117.

This section is for Guitar majors and minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.

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This section is for Vocal majors or minors only. Students are responsible for contacting instructor to schedule lessons. See department website or stop by the department office for a list of approved instructors.
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This section is for Strings majors and minors only (except Guitar). Students are responsible for contacting the instructor to schedule lessons. See the department website or stop by the department office for a list of approved instructors. Violins--meet in BC113 Violas--meet in BC211 Cellos--meet in BC210 String Basses--meet in BC125 Harps--meet in BC117

This section is for Guitar majors and minors only. Students are responsible for contacting the instructor to schedule lessons. See the department website or stop by the department office for a list of approved instructors.

This section is reserved for Brass, Woodwinds and Percussion majors and minors only. Students are responsible for contacting the instructor to schedule lessons. See the department website or stop by the department office for a list of approved instructors.

This section is for Vocal majors and minors only. Students are responsible for contacting the instructor to schedule lessons. See the department website or stop by the department office for a list of approved instructors.
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<td>This section is for Strings majors and minors only (except Guitar). Students are responsible for contacting the instructor to schedule lessons. See the department website or stop by the department office for a list of approved instructors. Violins--meet in BC113 Violas--meet in BC211 Cellos--meet in BC210 String Basses--meet in BC125 Harps--meet in BC117</td>
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| 24333       |              | Full Semester                  |      |          |          |               |
| MUSC 4992   | 1            | Senior Project                 | TBA  | TBA      | TBA      | Priest, Thomas |
| 24334       |              | Full Semester                  |      |          |          |               |
| MUSC 4995   | 3            | Capstone Project               | TBA  | TBA      | TBA      | Maxson, Mark   |
| 24379       |              | Full Semester                  |      |          |          |               |
Study of hardware and software components through managing programs, directories, files, and disks. Includes integrating applications, customizing Windows, and managing printing.

Local area networking concepts including needs analysis, applications, topologies and configurations, and troubleshooting using hands-on labs.

This course is the first in a two-course series designed to prepare students to pass the examinations for Cisco Certified Network Associate (CCNA). This course covers the OSI model, network components and topologies, IP addressing, beginning router configuration and routing protocols.

This course is the second in a two-course series designed to prepare students to pass the examinations for Cisco Certified Network Associate (CCNA). This course covers advanced router configurations, LAN switching theory and VLANs, advanced LAN and LAN switched design, Novell IPX, WAN theory design and technology, PPP, frame relay, ISDN, network troubleshooting, national SCANs skills, and threaded case studies.

This course gives students a solid foundation in the fundamentals of the Linux operating system. Students gain system-level experience through problem-solving exercises at the command line and in the graphical user interface (GUI). By the end of the course, students will have learned the major, essential, command-line commands necessary to be accomplished users of Linux.

This course provides an in-depth look into the field of network security. Specific topics to be examined include networking protocols and threats, authentication models, cryptography, layer 2 security, application security, social engineering, access control lists, firewall, risk management, and OS hardening.

Students will learn how to install, configure, manage, and troubleshoot hardware and applications in a Server environment. With a specific focus on Server fundamentals, this course will teach students how to install servers, configure active directories, create and manage users, install server roles and features, perform diagnostics, and troubleshoot malfunctioning servers.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

This course covers management of switching and transport systems and their technologies from industry carrier systems to private business networks. Also included are cellular/mobile/fixed wireless technologies including network elements, routing, packet delivery, handoff technology, and the evolution of generations of wireless technologies and systems.
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<td>D02311</td>
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<td>Hands-on labs working with TDM lines and trunks,</td>
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<td></td>
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<td>transport, IP routing, and SIP. Applications will</td>
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<td>be run on live LAN/WAN networks. Also, the course</td>
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<td>includes discussion of new technologies.</td>
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<td>An examination of the growing wireless technologies, fiber optics, their roles within the telecommunications data and media industries and to introduce associated fiber optic technical skills.</td>
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<td>23749</td>
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<td>BB330</td>
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<td>A treatment of security issues related to</td>
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<td>computers and computer networking. This course</td>
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<td>is designed for advanced users, system</td>
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<td>administrators and network administrators. The</td>
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<td>systems. A team project is included.</td>
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<td>Must be completed senior year in a network/telecommunications environment with company placement and outcomes approved by the department.</td>
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<td>company. Simultaneous enrollment in NET 4760 is</td>
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<td>3</td>
<td>Introduction to Neuroscience</td>
<td>1030 - 1145</td>
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<td>LH104</td>
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<td>This is an advanced undergraduate course primarily for Neuroscience minors, but open to all students. Students will apply a knowledge of neuroanatomy, neurophysiology, cognition, and behavior to discuss and solve in-depth clinical case studies in the classroom setting. The course will consist of instructor-led and student-led activities to explore a range of nervous system disorders.</td>
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Supervised participation in projects and/or primary research with a faculty mentor in various areas of neuroscience. Limited to advanced students upon consent of neuroscience faculty mentor and the Neuroscience Program director. A paper written in APA style and an oral report are required at the end of the semester.

Independent readings or secondary research on advanced neuroscience special topics under the direction of a faculty mentor. For each hour of credit in a readings project the student is required to read an appropriate number of primary research journal articles and book chapters. Repeatable for a maximum of 6 credit hours. A paper written in APA style and oral report are required at the end of the term.

Basic pharmacological treatments used by the nurse to promote health across the lifespan. Included in the course will be administering medications safely through various routes and specific agents that affect health and wellbeing.

Students are socialized into the profession of nursing, taught scope of practice, rules and ethics. Building nursing care on a health/wellness continuum is introduced. Students begin the nursing process through assessment of health and wellness in individuals, families and populations throughout the lifespan, and in diverse cultures and environments.

Lab Wednesday 0800-1630 (first 3 weeks) Tuesday Clinical George E. Wahlen Veterans Home (odd weeks) Simulation Wednesday 1230-1630 (even weeks)
NRSG 2251 3  Foundation Nrsng Lab & Lab Wednesday 0800-1630 (first 3 w eeks) Clinical Tuesday George E. Wahlen Veterans Home (even w eeks) Simulation Wednesday 1230-1630 (odd w eeks)
22652
Full Semester
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1230 - 1630
D03210R
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NRSG 2251 3  Foundation Nrsng Lab & Lab Tuesday 0800-1630 (first 3 w eeks) Clinical Friday Rocky Mountain Care Center (odd w eeks) Simulation Wednesday 0800-1200 (even w eeks)
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22666
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Richards,
NRSG 2251 3  Foundation Nrsng Lab & Lab Tuesday 0800-1630 (first 3 w eeks) Clinical Friday Rocky Mountain Care Center (even w eeks) Simulation Wednesday 0800-1200 (odd w eeks)
22667
Full Semester
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Bottelberghe,
1230 - 1630
Richards,
NRSG 2251 3  Foundation Nrsng Lab & Lab Tuesday 0800-1630 (first 3 w eeks) Clinical Friday South Davis Community Hospital (even w eeks) Simulation Wednesday 0800-1200 (odd w eeks)
22670
Full Semester
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Bottelberghe,
1230 - 1630
Richards,
NRSG 2251 3  Foundation Nrsng Lab & Lab Tuesday 0800-1630 (first 3 w eeks) Clinical Friday South Davis Community Hospital (even w eeks) Simulation Wednesday 0800-1200 (odd w eeks)
22672
Full Semester
TBA
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Hightower,
1230 - 1630
Richards,
NRSG 2300 3  Patient Centered Nrsng Care 1 Lab Thursday 0800-1630 (first 3 w eeks) Clinical Monday Ogden Regional Center (odd w eeks) Simulation Tuesday 0800-1200 (even w eeks)
22675
Full Semester
1230 - 1530
D03204
Summers,
0830 - 1130
MH327
Hansen, Vicky
 NRSG 2300 3  Patient Centered Nrsng Care 1 Lab Thursday 0800-1630 (first 3 w eeks) Clinical Monday McKay Dee Hospital (odd w eeks) Simulation Tuesday 0800-1200 (even w eeks)
22826
Full Semester
1230 - 1530
D03204
Summers,
0830 - 1130
MH327
Hansen, Vicky
 NRSG 2351 3  Patient Cent. Nrsng Care Exp I Lab Thursday 0800-1630 (first 3 w eeks) Clinical Monday Ogden Regional Center (odd w eeks) Simulation Tuesday 0800-1200 (even w eeks)
22678
Full Semester
1230 - 1630
D03210P
Summers,
0800 - 1200
Openshaw,
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NRSG 2351 3  Patient Cent. Nrsng Care Exp I Lab Thursday 0800-1630 (first 3 w eeks) Clinical Monday McKay Dee Hospital (odd w eeks) Simulation Tuesday 0800-1200 (even w eeks)
22680
Full Semester
TBA
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D03210P
Hanson, Vicky
0800 - 1200
Openshaw,
0800 - 1630
Hanson, Vicky
 A focused theory with emphasis on nursing care across the lifespan for patients experiencing changes in health status. Focus will be on identifying chronic diseases and developing a nursing strategy to promote wellness and quality of life for the patient. Clinical will focus on application of theory related to nursing care of patients in multiple environments and across the life-span.

NRSG 2300 3  Patient Centered Nrsng Care 1 Lab Thursday 0800-1630 (first 3 w eeks) Clinical Monday McKay Dee Hospital (odd w eeks) Simulation Tuesday 0800-1200 (even w eeks)
22826
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0830 - 1130
MH327
Hansen, Vicky
 Focused theory with emphasis on nursing care across the lifespan for patients experiencing changes in health status. Focus will be on identifying chronic diseases and developing a nursing strategy to promote wellness and quality of life for the patient. Clinical will focus on application of theory related to nursing care of patients in multiple environments and across the life-span.
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<td>Summers, Johnson, Small, Trisha, Ardern, Rachel</td>
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Focused theory with emphasis on nursing care across the lifespan for patients experiencing changes in health care status. Focus will be on caring for patients in the acute care setting with a goal of restoring optimal health and wellness.

**NRSG 2500 3**
- **Patient Centered Nrsng Care 3**
- **0800 - 1100**
- **R**
- **Heugly, Suzy**
- **Full Semester**

Focused theory with emphasis on nursing care across the lifespan for patients experiencing changes in health care status. Focus will be on caring for patients in the acute care setting with a goal of restoring optimal health and wellness.

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1630**
- **WR**
- **MH326**
- **Kendrick, Anne**
- **Full Semester**
- **1230 - 1630**
- **W**
- **MH326**
- **Roberts, Monte**
- **TBA**
- **F**
- **Cadman**
- Lab Wednesday or Thursday 0800-1630 (first 3 weeks)Clinical Friday McKay Dee Hospital (odd weeks)Simulation Wednesday 1230-1630 (even weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1630**
- **WR**
- **MH326**
- **Beynon,**
- **Full Semester**
- **1230 - 1630**
- **W**
- **MH326**
- **Roberts, Monte**
- **TBA**
- **F**
- **Bartlett**
- Lab Wednesday or Thursday 0800-1630 (first 3 weeks)Clinical Friday LDS Hospital (odd weeks)Simulation Wednesday 1230-1630 (even weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1630**
- **WR**
- **MH326**
- **Roberts, Monte**
- **Full Semester**
- **1230 - 1630**
- **W**
- **MH326**
- **Ardern, Rachel**
- **TBA**
- **F**
- Lab Wednesday or Thursday 0800-1630 (first 3 weeks)Clinical Friday McKay Dee Hospital (even weeks)Simulation Wednesday 1230-1630 (odd weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1200**
- **W**
- **MH326**
- **Buckway,**
- **Full Semester**
- **0800 - 1630**
- **RF**
- **MH326**
- **Sanderson,**
- **TBA**
- **W**
- **Ardern, Rachel**
- Lab Thursday 0800-1630 (first 3 weeks)Clinical Wednesday McKay Dee Hospital (odd weeks)Simulation Wednesday 0800-1200 (even weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1200**
- **W**
- **MH326**
- **Roberts, Monte**
- **Full Semester**
- **0800 - 1630**
- **RF**
- **MH326**
- **Sanderson,**
- **TBA**
- **W**
- **Ardern, Rachel**
- Lab Thursday or Friday 0800-1630 (first 3 weeks)Clinical Wednesday Lakeview Hospital (odd weeks)Simulation Wednesday 0800-1200 (even weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1200**
- **W**
- **MH326**
- **Sanderson,**
- **Full Semester**
- **0800 - 1630**
- **RF**
- **MH326**
- **Ardern, Rachel**
- **TBA**
- **W**
- Lab Thursday or Friday 0800-1630 (first 3 weeks)Clinical Wednesday Lakeview Hospital (even weeks)Simulation Wednesday 0800-1200 (odd weeks)

**NRSG 2551 3**
- **Patient Cent. Nrsng Care Exp II**
- **0800 - 1630**
- **R**
- **MH326**
- **Weston, Nancy**
- **Full Semester**
- **0800 - 1200**
- **R**
- **MH326**
- **TBA**
- **T**
- Lab Thursday 0800-1630 (first 3 weeks)Clinical Tuesday at McKay Dee Hospital (odd weeks)Simulation Thursday 0800-1200 (even weeks)
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Lab Thursday 0800-1630 (first 3 weeks) (5 students)
OR Lab Friday 0800-1630 (first 3 weeks) (5 students)
Clinical Thursday at McKay Dee Hospital (even weeks)
Simulation Thursday 0800-1200 (odd weeks)

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Lab Friday 0800-1630 (first 3 weeks)
Clinical Tuesday at McKay Dee Hospital (even weeks)
Simulation Thursday 0800-1200 (odd weeks)

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Lab Tuesday 0800-1630 (first 3 weeks)
Clinical Tuesday at Logan Regional Hospital (odd weeks)
Simulation Tuesday 0730-1130 (even weeks)

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Lab Thursday 0800-1630 (first 3 weeks)
Clinical Tuesday at Logan Regional Hospital (even weeks)
Simulation Tuesday 0730-1130 (odd weeks)

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Lab Tuesday 0800-1630 (first 3 weeks)
Clinical Thursday LDS Hospital (odd weeks)
Simulation Thursday 1230-1630 (even weeks)

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Lab Tuesday 0800-1630 (first 3 weeks)
Clinical Thursday McKay Dee Hospital (odd weeks)
Simulation Thursday 1230-1630 (even weeks)

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Lab Tuesday, Wednesday, Friday 0730-1130 (first 2 weeks)
Clinical Monday McKay Dee Hospital (odd weeks)
Simulation Monday 0800-1200 (even weeks)

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Lab Tuesday, Wednesday, Friday 1200-1600 (first 2 weeks)
Clinical Tuesday Lakeview Hospital (odd weeks)
Simulation Tuesday 0800-1200 (even weeks)

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NRSG 4100 3 Complex Patient Ctr Nur Care TBA TBA Williams, Kris Full Semester

NRSG 4100 3 Complex Patient Ctr Nur Care TBA TBA Ballingham- Full Semester


NRSG 4100 3 Complex Patient Ctr Nur Care 0830 - 1120 T IE114 Williams, Kris Full Semester 0830 - 1120 T IE114 Class meets Tuesdays Aug. 27, Sept. 24, Oct. 22, and Nov. 19.


NRSG 4200 3 Evidence Based Practice TBA TBA Stegen, Amy Full Semester

NRSG 4200 3 Evidence Based Practice TBA TBA Beynon, Full Semester

NRSG 4200 3 Evidence Based Practice TBA TBA Clark, Heather Full Semester

NRSG 4200 3 Evidence Based Practice TBA TBA Baron, Kristy Full Semester

NRSG 4200 3 Evidence Based Practice TBA TBA Leggett-Fife, Full Semester
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Class meets Mondays Aug. 26, Sept. 23, Oct. 21, and Nov. 18.

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Class meets Mondays Aug. 26, Sept. 23, Oct. 21, and Nov. 18.

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Class meets Tuesdays Aug. 27, Sept. 24, Oct. 22, and Nov. 19.

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Class meets Mondays Sept. 30, Oct. 28, and Dec. 2. September 2nd is a holiday so course work will be done online that day.

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23453 Full Semester

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23459 Full Semester

NRSG 4600 3 Comm/Col/Info Management 0830 - 1120 T D03206 Hood, Tiffany
23507 Full Semester 0830 - 1120 T D03206
Class meets Tuesdays Aug. 27, Sept. 24, Oct. 22, and Nov. 19

NRSG 4600 3 Comm/Col/Info Management 0830 - 1120 R D03206 Rhodes, Julie
23510 Full Semester 0830 - 1120 R D03206
Class meets Thursdays Aug. 29, Sept. 26, Oct. 24, Nov. 21

NRSG 4600 3 Comm/Col/Info Management 0830 - 1120 M IE206 Rhodes, Julie
23518 Full Semester 0830 - 1120 M IE206
Class meets Mondays Aug. 26, Sept. 23, Oct. 21, and Nov. 18.

NRSG 4600 3 Comm/Col/Info Management 0830 - 1120 T IE206 Phillips, Terry
23521 Full Semester 0830 - 1120 T IE206
Class meets Tuesdays Aug. 27, Sept. 24, Oct. 22, and Nov. 19

NRSG 4600 3 Comm/Col/Info Management 0830 - 1120 R IE114 Dahlkemper,
23527 Full Semester 0830 - 1120 R IE114
Class meets Thursdays Aug. 29, Sept. 26, Oct. 24, Nov. 21

NRSG 4700 3 Forensic Nursing TBA TBA Rocha, Ann
23491 Full Semester

NRSG 4700 3 Forensic Nursing TBA TBA Rocha, Ann
23492 Full Semester

NRSG 4830 1 Directed Theoretical TBA TBA Clark, Heather
23493 Full Semester

NRSG 4840 3 H CEL Honors Nursing 1630 - 1830 T IE114 Draper Low e,
23533 Full Semester
Class meets Tuesday Sept. 3

NRSG 4840 3 H CEL Honors Nursing 1630 - 1830 T IE114 Baron, Kristy
23535 Full Semester
Class meets Tuesday Sept. 3
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<td>This course prepares the student to critically appraise, compare, and evaluate published Quantitative and Qualitative research reports to develop and implement and maintain an evidence-based innovation and/or practice within the professional settings of the nurse administrator and the nurse educator.</td>
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<tr>
<td>NRSG 6120</td>
<td>3</td>
<td>Research and Statistics</td>
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<tr>
<td>24601</td>
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<td>NRSG 6130</td>
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<td>This course introduces the student to processes associated with the development and application of both nursing and non-nursing theory. These processes include the varied yet interdependent activities of theory analysis, description, critical reflection, and utilization of theory. In addition, the student will explore the utilization of both nursing and non-nursing theory in his or her practice of nursing.</td>
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<tr>
<td>NRSG 6130</td>
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<td>NRSG 6170</td>
<td>3</td>
<td>Teaching Strategies</td>
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<td></td>
<td>This course prepares the student to apply teaching and learning theories within both the traditional and non-traditional classroom setting and clinical practice settings. Teaching strategies designed to support student learning across varied settings and modalities will be emphasized.</td>
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<tr>
<td>Course Code</td>
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<td>Seats</td>
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<td>NRSG 6230</td>
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<tr>
<td>23027</td>
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<td></td>
<td>This laboratory skill course provides opportunities for the nurse practitioner (NP) students to learn and practice a variety of essential ambulatory care skills for patients across the lifespan. There is a focus on women's health and pediatric health care conditions. Students attend skill lab weekly for instruction from interprofessional peers and nurse practitioner faculty. NP students acquire knowledge of skill performance, diagnostic and objective information for conditions requiring procedures, management strategies, patient education, and ICD-10 &amp; CPT billing and coding instruction for common health care issues.</td>
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<tr>
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<td>23028</td>
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<td>This laboratory skill course provides opportunities for the nurse practitioner (NP) students to learn and practice a variety of essential ambulatory care skills for patients across the lifespan. There is a focus on women's health and pediatric health care conditions. Students attend skill lab weekly for instruction from interprofessional peers and nurse practitioner faculty. NP students acquire knowledge of skill performance, diagnostic and objective information for conditions requiring procedures, management strategies, patient education, and ICD-10 &amp; CPT billing and coding instruction for common health care issues.</td>
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<tr>
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<td>This laboratory skill course provides opportunities for the nurse practitioner (NP) students to learn and practice a variety of essential ambulatory care skills for patients across the lifespan. There is a focus on women's health and pediatric health care conditions. Students attend skill lab weekly for instruction from interprofessional peers and nurse practitioner faculty. NP students acquire knowledge of skill performance, diagnostic and objective information for conditions requiring procedures, management strategies, patient education, and ICD-10 &amp; CPT billing and coding instruction for common health care issues.</td>
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<tr>
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<tr>
<td>23032</td>
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<td>This laboratory skill course provides opportunities for the nurse practitioner (NP) students to learn and practice a variety of essential ambulatory care skills for patients across the lifespan. There is a focus on women's health and pediatric health care conditions. Students attend skill lab weekly for instruction from interprofessional peers and nurse practitioner faculty. NP students acquire knowledge of skill performance, diagnostic and objective information for conditions requiring procedures, management strategies, patient education, and ICD-10 &amp; CPT billing and coding instruction for common health care issues.</td>
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<tr>
<td>NRSG 6245</td>
<td>3 Adv Pract Nrs: New born-</td>
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<td>23012</td>
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<td></td>
<td>This is one of the theory companion courses to NRSG 6246 Nurse Practitioner Clinical II. The course is designed to provide advanced theoretical knowledge and emphasis on pediatric (new born to adolescent) healthcare for the nurse practitioner student. The course prepares students to manage prevalent healthcare concerns encountered across the pediatric lifespan. Nurse practitioner students include significant others, family, and available community resources for patient health promotion and illness management, assessment, diagnosis, intervention, healthcare plans, follow-up, and evaluation of adults in a variety of settings.</td>
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<tr>
<td>NRSG 6246</td>
<td>2 Adv Prac Primary Care Clin III</td>
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<td>1</td>
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<tr>
<td>23013</td>
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<td></td>
<td>This is the clinical companion course to MSNP 6245 Advanced Practice Nursing: New born - Adolescent. This course is designed for the nurse practitioner student to deliver high quality healthcare to children and adolescents. The course prepares students to apply acquired skills, magnify diagnostic reasoning through psychomotor, affective and cognitive domains. This course also requires students to diagnose and determine best practice to treat illness and prevent disease.</td>
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<tr>
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<td>23015</td>
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</table>
|             | This is the clinical companion course to MSNP 6245 Advanced Practice Nursing: New born - Adolescent. This course is designed for the nurse practitioner student to deliver high quality healthcare to children and adolescents. The course prepares students to apply acquired skills, magnify diagnostic reasoning through
psychomotor, affective and cognitive domains. This course also requires students to diagnose and determine best practice to treat illness and prevent disease.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>TBA</td>
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</table>

This is the clinical companion course to MSNP 6245 Advanced Practice Nursing: Newborn - Adolescent. This course is designed for the nurse practitioner student to deliver high quality healthcare to children and adolescents. The course prepares students to apply acquired skills, magnify diagnostic reasoning through psychomotor, affective and cognitive domains. This course also requires students to diagnose and determine best practice to treat illness and prevent disease.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Location</th>
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<tr>
<td>NRSG 6250</td>
<td>Adv Pract Nrsng: Women's</td>
<td>2</td>
<td>0930 - 1230</td>
<td>W</td>
<td>MH332</td>
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</table>

This is one of the theory companion courses to NRSG 6246 Nurse Practitioner Clinical II. The course is designed to provide advanced theoretical knowledge and emphasis on unique health care needs of women. The course prepares students to manage prevalent health care concerns of women, including: maturation, sexuality, family planning, contraception, perinatal care (preconcept through pregnancy), and menopause. Concepts will focus on strategies for health promotion and disease prevention through the lifespan of a woman, as well as management of selected issues related to fertility, pregnancy, and aging.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start/End Time</th>
<th>Days</th>
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<th>Instructor</th>
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</table>

This is the clinical companion course to MSNP 6250 Advanced Practice Nursing: Women’s Health. This clinical course is designed for the nurse practitioner student to deliver high quality healthcare with a focus on women's health. The course prepares students to apply acquired skills, magnify diagnostic reasoning through psychomotor, affective and cognitive domains. This course requires students to diagnose and determine best practice to treat illness and prevent disease as a primary care FNP provider.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>NRSG 6251</td>
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</table>

This is the clinical companion course to MSNP 6250 Advanced Practice Nursing: Women’s Health. This clinical course is designed for the nurse practitioner student to deliver high quality healthcare with a focus on women's health. The course prepares students to apply acquired skills, magnify diagnostic reasoning through psychomotor, affective and cognitive domains. This course requires students to diagnose and determine best practice to treat illness and prevent disease as a primary care FNP provider.

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<th>Course Code</th>
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<td>NRSG 6400</td>
<td>Nurse Executive Residency</td>
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</table>

This 85 hour on-site practicum is designed to prepare the student for a career in nursing administration and leadership. The student will participate in focused participative learning activities with nurse leaders at either the executive, director or manager level. A variety of focused nursing administrator residency areas will be available. The student, faculty, and assigned nurse administrator residency preceptor will collaboratively design the residency experience.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Location</th>
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<tr>
<td>NRSG 6700</td>
<td>Nurse Educator Residency</td>
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</table>

This on-site 85 hour practicum is designed to prepare the student for a career in nursing education and leadership. During the MSN Educator Residency, students will participate in focused participative learning activities with advanced prepared nurse educators at an academic and/or healthcare service educational setting. A variety of nurse educator residency areas will be available. The student, faculty, and assigned
nurse educator residency preceptor will collaboratively design the residency experience.

NRSG 6720 2 Adv Pharmacology for Nurse TBA TBA Quayle, Tressa Holman,

This course overview's pharmacokinetics and pharmacodynamics for optimum individual client management. Advanced practice nursing students are prepared to safely monitor medication regimens for patients across the lifespan based on clinically relevant ethical and legal parameters and consideration of evidenced based practice guidelines and protocols for effective pharmacology management and education.

NRSG 6730 2 Adv Pathophysiology/Nurse TBA TBA Kelly, Jon Williams, Kris

This course is a core graduate level course. This course is designed to teach the master level nursing student frequently seen alterations in physiology. The course will focus on modifiable risk factors, exposures, physiological mutations, and presenting signs and symptoms. Students will utilize evidence-based practice and research to identify, analyze and evaluate disease pathology across the lifespan.

NRSG 6802 1 Integrating Scholarship TBA TBA Leggett-Fife,

The MSN6802 course is designed as a continuation of MSN 6801. In this course, students will design scholarly activities in an established area of expertise. Students will be asked to develop a project deliverable which demonstrates skill in proposal writing for initiatives that include, but are not limited to evidence-based practice, clinical guidelines, resource acquisition, course development, and policy development. Completion of 6802 and the MSN Scholarly Project is a graduation requirement for the Master of Science in nursing degree.

NRSG 6803 1 Integrating Scholarship TBA TBA Gee, Julie

The MSN6803 course is designed as a continuation of MSN 6802. In this course, students will integrated all components of their scholarly project and develop strategies for dissemination of nursing knowledge to a variety of audiences through various means. Completion of 6803 and the MSN Scholarly Project is a graduation requirement for the Master of Science in nursing degree.
components of their scholarly project and develop strategies for dissemination of nursing knowledge to a
variety of audiences through various means. Completion of 6803 and the MSN Scholarly Project is a graduation
requirement for the Master of Science in nursing degree.

NRSG 6803 1 Integrating Scholarship TBA TBA Gee, Julie
22990
Full Semester

The MSN 6803 course is designed as a continuation of MSN 6802. In this course, students will integrate all
components of their scholarly project and develop strategies for dissemination of nursing knowledge to a
variety of audiences through various means. Completion of 6803 and the MSN Scholarly Project is a graduation
requirement for the Master of Science in nursing degree.

NRSG 6803 1 Integrating Scholarship TBA TBA Baron, Kristy
24419
Full Semester

NRSG 7000 1 Introduction to DNP Role TBA TBA Judd, Deborah
24578
Full Semester

NRSG 7001 2 Transitions to Practice I TBA TBA Judd, Deborah
24582
Full Semester

NRSG 7010 3 Scholarly/Ethical Foundations TBA TBA Reynolds,
24580
Full Semester

NRSG 7020 3 Biostatistics/Epidemiology TBA TBA Gooder,
24579
Full Semester

NRSG 7070 2 Healthcare Policy TBA TBA Judd, Deborah
24603
Full Semester

NUTR 1020 3 LS Science of Human 0830 - 0920 MVF SW134 Hansen,
21349
Full Semester

Human nutrition is the platform to study the nature and integration of science across disciplines and in society
through applied problem solving and data analysis. Nutritional balance and good health are explored in context
of the levels of organization, metabolism and homeostasis, genetics and evolution, and ecological interactions.
This course is taught Web enhanced.

NUTR 1020 3 LS Science of Human 0930 - 1020 MVF SW134 Wycherley,
21350
Full Semester

Human nutrition is the platform to study the nature and integration of science across disciplines and in society
through applied problem solving and data analysis. Nutritional balance and good health are explored in context
of the levels of organization, metabolism and homeostasis, genetics and evolution, and ecological interactions.
This course is taught Web enhanced.

NUTR 1020 3 LS Science of Human 0900 - 1015 TR SW134 Joyner, Damon
21351
Full Semester

Human nutrition is the platform to study the nature and integration of science across disciplines and in society
through applied problem solving and data analysis. Nutritional balance and good health are explored in context
of the levels of organization, metabolism and homeostasis, genetics and evolution, and ecological interactions.
This course is taught Web enhanced.
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Human nutrition is the platform to study the nature and integration of science across disciplines and in society through applied problem solving and data analysis. Nutritional balance and good health are explored in context of the levels of organization, metabolism and homeostasis, genetics and evolution, and ecological interactions. This course is taught Web enhanced.

NUTR 1020 3 LS Science of Human 1200 - 1315 TR D02114 Heaton, Full Semester

NUTR 1020 3 LS Science of Human TBA TBA OL Turley, Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

NUTR 1020 3 LS Science of Human TBA TBA OL Aguilar-, Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

NUTR 1020 3 LS Science of Human TBA TBA OL Joyner, Damon Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

23775 NUTR 1120 Nutrition for the Athlete 0930 - 1020 MW SW238 Hansen, Hansen, Julie Full Semester

The course will address nutrition, eating behavior, and lifestyle issues of the athlete in the typical collegiate athletic environment. Topics in nutrition for the performance athlete, meal planning for the collegiate athlete, menu evaluation, personal diet analysis, and common fad diets aimed at the performance athlete are included.

NUTR 1240 3 Nutri & Sustainable Cooking 1730 - 1820 T D02236 Crow ton, Romney, Full Semester

Sustainable ways to acquire, prepare and consume food to support a healthier individual, population, and environment are explored. Food science principles will be emphasized in the laboratory experience.

NUTR 1240 3 Nutri & Sustainable Cooking 1730 - 1820 R D02236 Soule, William Full Semester

Sustainable ways to acquire, prepare and consume food to support a healthier individual, population, and environment are explored. Food science principles will be emphasized in the laboratory experience.

NUTR 1240L 0 Lab 1830 - 2045 T D02236 Crow ton, Romney, Full Semester
<table>
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<th>CRN</th>
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<td>Lab</td>
<td>1830 - 2045</td>
<td>R</td>
<td>D02236</td>
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<td>NUTR 2320</td>
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<td>22497</td>
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The relationships between dietary components and the development of chronic diseases provides the foundation for designing diets that support life-long "good health". Topics in nutrigenomics, food allergy and food technology are introduced.

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.
Technology-aided literature review of the nutritional and medical sciences provides the information for presentation to peers in both written and oral forms.

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<td>This is a capstone course for Nutrition seniors only. The experiences in the Nutrition major will be summarized and students will be prepared for graduate study or future employment.</td>
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<td>21144</td>
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<td>Introduction to Outdoor Pursuits is focused on engaging and introducing students to discover, explore, and practice a variety of outdoor adventure and recreation activities. This includes, but is not limited to, group development, outdoor living, backpacking, flat- and whitewater paddling, mountain biking, rock climbing, caving, and winter-based pursuits. Emphasis is placed on activity-specific technical skill development, equipment management, risk management, environmental ethics, and basic instructional and facilitation strategies. Field Sessions are required.</td>
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<td>OCRE 3050</td>
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<td>Recreation/Leisure in Society</td>
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<td>Content, nature, extent and significance of recreation and leisure; their role in our lives, relevant service delivery agencies/organizations/businesses, leadership functions and styles, and a introduction to team-building/adventure programming activities.</td>
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<td>Inclusive &amp; Adaptive</td>
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<td>Students will explore and apply concepts of leisure and recreation experiences and the related social impacts across a wide variety of populations including: ethnicity, race, ability, gender, age, religion and nationality.</td>
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<td>OCRE 3500</td>
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<td>This course will focus on principles and methods of recreation and park design and planning. The student should expect to learn how to: assess community recreation facilities, parks, open spaces, recreation trends, industry standards, create planning goals and objectives, and make planning recommendations. Classification of recreation areas according to primary function, location and clientele will also be explored.</td>
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<td>OCRE 3600</td>
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<td>This course provides an examination of administration and management skills tied to outdoor recreation agencies/businesses/organizations. Emphasis will be placed on site visits, services delivery, environmental impacts, legal issues, human resources and administration and management skills. Outdoor activities (backpacking/hiking/camping/ropes course leadership, and use of technology in leisure research and programming) will be explored in the context of program management and administration. Field trips are required.</td>
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OCRE 4000 3 Recreation Program Youth 1100 - 1150 MWF SW405
22014 Full Semester
This course will review and apply theories of youth development to recreation-based settings. Topics addressed include: youth development theories, political, social, and cultural issues relevant to youth development, types of youth serving organizations, youth professional roles and responsibilities; quality youth programming, logic modeling, program evaluation, and theory-driven program design.

OCRE 4020 3 Nature Interpretation 0800 - 0915 TR SW405
22015 Full Semester
Nature Interpretation is focused on providing the student with an in-depth investigation of the fundamental principles and concepts of nature interpretation. This includes, but is not limited to historical development of the field, principles of exhibit design, interpretative program designs and techniques, common field techniques, and current trends used by outdoor leaders. In addition, an overview of employment opportunities in the field will be explored. This course emphasizes experimental learning theories and their application to natural history interpretation and environmental education program design. The course content is interdisciplinary in nature, and is grounded in the tenets of experiential education and learning (per the work of John Dewey).

PAR 1000 4 Emergency Medical 1230 - 1630 TR MH417 Lalumia,
20394 Full Semester
This course teaches the student to recognize and instruct the response to emergency calls to provide efficient and immediate care to the critically ill and injured, and deliver transport needs for the patient to the appropriate medical facility. The student will be able to determine the nature and extent of illness or injury and establish priority for required emergency care. Theory will include the emergency medical care to the adult, infant and child, medical, and trauma patients. There are 46 lessons in the core curriculum. (Must be taken with PAR 1001.)

PAR 1000 4 Emergency Medical 1800 - 2200 TR MH417 Gilchrist, Frank
20648 Full Semester
This course teaches the student to recognize and instruct the response to emergency calls to provide efficient and immediate care to the critically ill and injured, and deliver transport needs for the patient to the appropriate medical facility. The student will be able to determine the nature and extent of illness or injury and establish priority for required emergency care. Theory will include the emergency medical care to the adult, infant and child, medical, and trauma patients. There are 46 lessons in the core curriculum. (Must be taken with PAR 1001.)

PAR 1001 2 Emergency Medical Technicn 1230 - 1630 TR MH408 Lalumia,
20398 Full Semester
At the completion of this course the student will be able to demonstrate competency managing emergencies, utilizing all Basic Support equipment and skills in accordance with all behavioral objectives in the current USDOT/EMT Basic curriculum. In addition to the lab, this course requires that the student have patient interactions in a clinical setting. Based on assessment finding, renders emergency medical care to the adult, infant and child, medical, and trauma patients. (Must be taken with PAR 1000.)

PAR 1001 2 Emergency Medical Technicn 1800 - 2200 TR MH408 Gilchrist, Frank
20653 Full Semester
At the completion of this course the student will be able to demonstrate competency managing emergencies, utilizing all Basic Support equipment and skills in accordance with all behavioral objectives in the current USDOT/EMT Basic curriculum. In addition to the lab, this course requires that the student have patient interactions in a clinical setting. Based on assessment finding, renders emergency medical care to the adult, infant and child, medical, and trauma patients. (Must be taken with PAR 1000.)

PAR 2000 4 Intro to Paramedic Practice 1300 - 1700 MF MH417 O'Neil, Lalumia, Robertson, Bill
20385 Block 1
Introduces the paramedic student to basic pathophysiology, pharmacology, research methods, airway management, plus patient interaction and assessment skills. Includes professional and wellness considerations for the individual practitioner and patient. Basic knowledge of medical incident command, rescue awareness, hazardous materials incidents, and crime scene awareness is included. Meets all national EMS Education Standards. Prospective students must be EMT certified, accomplish Dumke College of Health Professions advising, complete the department application process, and then be accepted to the program prior to
Skills application using the theory of paramedic practice. This course will complete the National Registry Paramedic Psychomotor Competency Portfolio. Students must pass all skills before advancing into clinical and field internship rotations.

Clinical rotations in various medical settings provide the student with the opportunity to perform skills and apply knowledge of paramedic practice. Includes, but is not limited to, areas in the operating room, emergency department, labor/delivery, psychiatric, pediatric, burn and cardiac cath units.

Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment and/or disposition plan for a patient with a cardiac or medical complaint. This course prepares the paramedic student to recognize, assess, develop and implement paramedic interventions related to cardiac and other medical emergencies. Topical areas include the cardiac, circulatory, digestive, endocrine, HEENT, hematologic, respiratory, and urinary systems. Concepts of infectious diseases, toxicology, anaphylaxis, environmental exposure, and shock will also be presented. Current AHA Guidelines and the 2010 National EMS Standards will be fully utilized.

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The use of CAD to create industrial level production working drawings. Includes ANSI the latest ASME Y14.5 standards for Geometric Dimensioning & Tolerancing. Topics of discussion will include: dimensions, fits, tolerances, surface finishes, symbols for welding, piping, machine elements and processes and sheet metal flat patterns.
The use of CAD to create industrial level production working drawings. Includes ANSI the latest ASME Y14.5 standards for Geometric Dimensioning & Tolerancing. Topics of discussion will include: dimensions, fits, tolerances, surface finishes, symbols for welding, piping, machine elements and processes and sheet metal flat patterns.

Product Design is the creative process of applying scientific and mathematical principles, experience, and judgment to the development of the solution of a technical product or system to meet a specific need. Turning ideas into design will incorporate problem identification, market research and brainstorming possible solutions, develop detailed part and assembly drawings, implementation, and evaluation. Sketching, gears/cams/shafts, advanced GD&T, tolerance build-up, tolerances for assemblies, introduction to rapid prototyping, and CNC design for manufacturing concepts will be presented. Advanced 3-D modeling software applications will include: library of parts, assembly constraints, motion constraints, drive constraints, and adaptive design.

Directed readings in Design Engineering Technology including mechanical and architectural areas. Must have department approval.

Open to all advanced students in Design Engineering Technology. Department approval required before registration. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

Tool design principals used for workpiece control in manufacturing and production. Topics include responsibilities of a tool designer, the design process, economics of design, tooling materials, and tool drawings and specifications. Other topics will include jigs, fixtures, gages, dies and tooling required by specialized manufacturing processes.

This course introduces students to the basic tools and concepts used in Adobe Photoshop and 3ds Max. Photoshop instruction includes using layers, image editing using selection tools, filtering, and touching up a 3D render. 3ds Max instruction includes importing models, adding materials, lighting a scene, and creating a basic animation.

Use of parametric 3D modeling software to prepare engineering documentation and model analysis for the automotive and aerospace manufacturing industries. Students will complete a series of laboratory assignments and term projects in an open lab environment.
20670 PDD 4600 2 Senior Project I (Design) 0730 - 0820 TR ET205 West, Glen
  Full Semester Railroad Handcart

20671 PDD 4600 2 Senior Project I (Design) 0730 - 0820 TR ET101A Strahan, Jeffry
  Full Semester Arbor Press

20672 PDD 4600 2 Senior Project I (Design) 0730 - 0820 TR ET238 Foss, Taylor
  Full Semester Composite Stand Up Paddleboard

24348 PDD 4600 2 Senior Project I (Design) 0730 - 0820 TR ET101A Strahan, Jeffry
  Full Semester Ice Fishing Jig

20673 PDD 4610 2 Senior Project II (Build) 0730 - 0820 TR ET240 Usui, Megumi
  Full Semester A Capstone project spanning two consecutive semesters. This semester concentrates on manufacturing or building the design solution. The project includes application of skills, knowledge, techniques and concepts to design and manufacture or construct a project. Emphasis placed on integrated project management including preparation of drawings, creation of presentations, project organization, control, and documentation.

20680 PDD 4830 3 Directed Readings TBA TBA Usui, Megumi
  Full Semester Directed readings in Design Engineering Technology including product design and development and architectural areas. Must have department approval.

20682 PDD 4890 3 Cooperative Work Experience TBA TBA Usui, Megumi
  Full Semester Open to all advanced students in Design Engineering Technology. Department approval required before registration. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by the department.

22519 PE 1010 1 Aerobics, Level I 0730 - 0820 MW WY119 Wycherley,
  Full Semester A physical activity course that engages students in aerobic exercises to improve cardiovascular and respiratory functioning.

22520 PE 1010 1 Aerobics, Level I 1230 - 1320 TR WY119 Dennis, Camille
  Full Semester A physical activity course that engages students in aerobic exercises to improve cardiovascular and respiratory functioning.

22522 PE 1011 1 Aerobics, Level II 0730 - 0820 MV WY119 Wycherley,
  Full Semester A physical activity course that engages students in aerobic exercises to improve cardiovascular and respiratory functioning.

22524 PE 1011 1 Aerobics, Level II 1230 - 1320 TR WY119 Dennis, Camille
  Full Semester A physical activity course that engages students in aerobic exercises to improve cardiovascular and respiratory functioning.
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<td>A physical activity course that introduces students to Zumba; an activity that fuses cardiovascular fitness, upbeat world rhythms, and easy-to-follow choreography for a total-body workout.</td>
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biomechanics of running efficiently and safely, heart rate, energy expenditure, body composition, and diet may be taught.

**PE 1045 1**  Jogging III  0830 - 0920  MW  SW322  Dennis, Camille

A physical activity course that engages students in jogging to improve physical fitness and health. Topics in the biomechanics of running efficiently and safely, heart rate, energy expenditure, body composition, and diet may be taught.

**PE 1055 1**  Pilates  1130 - 1220  TR  WI119

**PE 1058 1**  Hatha Yoga, Level II  1030 - 1120  TR  WI119  Needham,

**PE 1068 1**  Kettlebell Conditioning  0830 - 0920  MW  SW409

**PE 1070 1**  Cross Train for Fitness Lev I  1130 - 1220  TR  WI103  Kirkham King,

**PE 1070 1**  Cross Train for Fitness Lev I  1530 - 1620  MW  D03150D  Green, Danielle

**PE 1070 1**  Cross Train for Fitness Lev I  1730 - 1820  TR  WI103  Johnson,

A physical activity course that engages students in Pilates training; a mind-body exercise program designed to tone the body, stabilize the core, improve balance, and increase flexibility.

**PE 1055 1**  Full Semester

A physical activity course that introduces students to Pilates training; a mind-body exercise program designed to tone the body, stabilize the core, improve balance, and increase flexibility.

**PE 1055 1**  Full Semester

A physical activity course that allows students to learn and experience the physical benefits and body awareness associated with practicing yoga. This Level II course allows students to build on skills developed in Level I.

**PE 1057 1**  Hatha Yoga Level I  0930 - 1020  TR  WI119  Needham,

**PE 1057 1**  Full Semester

**PE 1057 1**  Full Semester

**PE 1057 1**  Full Semester

A vigorous introductory physical conditioning course primarily utilizing kettlebells. Exercises designed to enhance strength, power, endurance, and agility will be emphasized.

**PE 1070 1**  Full Semester

A physical activity course that engages students in cross training activities to improve overall levels of physical fitness.

**PE 1070 1**  Full Semester
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A physical activity course that engages students in neuromuscular conditioning. Course subject matter will include neuromuscular conditioning, developing strength training programs, and learning and practicing proper lifting techniques.

A physical activity course that allows students to learn and develop the skills needed to play racquetball.

A physical activity course that allows students to study, practice, and develop skill and competency at a proficient level, and to be able to successfully participate and play a game of pickleball.
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<td>A physical activity course that allows students to learn and develop the skills needed to practice archery.</td>
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A physical activity course that allows students to learn and develop the skills needed to practice archery.

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A physical activity course that allows students to learn and develop the skills needed to practice archery.

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A physical activity course that allows students to learn and develop the skills needed to practice archery.

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A physical activity course that allows students to learn and develop the skills needed to practice archery.

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A physical activity course that allows students to learn and develop the skills needed to practice fencing.

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A physical activity course that allows students to learn and develop the skills needed to practice fencing.

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A physical activity course that allows students to learn and develop the skills needed to practice fencing.

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<td>MW</td>
<td>WI119</td>
<td>Dopp, Tyler</td>
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</table>
A physical activity course that engages students to learn how to dance in the form of Country Swing. Students will learn various skills, history and culture, and styles, as well as how to maintain a high level of fitness through participation in Country Swing Dancing.

**PE 1765 1**  
**Hip Hop for Fitness Level I**  
0930 - 1020  
MW  
WI119  
Reid, Ashley  
**Full Semester**

A physical activity course that engages students to learn how to dance in the form of Hip-Hop. Students will learn various skills, history and culture, and styles, as well as how to maintain a high level of fitness through participation in Hip-Hop.

**PE 1766 1**  
**Hip Hop for Fitness Level II**  
0930 - 1020  
MW  
WI119  
Reid, Ashley  
**Full Semester**

A physical activity course that engages students to learn how to dance in the form of Hip-Hop. Students will learn various skills, history and culture, and styles, as well as how to maintain a high level of fitness through participation in Hip-Hop.

**PE 1767 1**  
**Hip Hop for Fitness Level III**  
0930 - 1020  
MW  
WI119  
Reid, Ashley  
**Full Semester**

A physical activity course that engages students to learn how to dance in the form of Hip-Hop. Students will learn various skills, history and culture, and styles, as well as how to maintain a high level of fitness through participation in Hip-Hop.

**PEP 2000 3**  
**Foundations of Physical Education**  
1030 - 1120  
MWF  
SW314  
Zimmerman,  
**Full Semester**

Examination of history, philosophy, career opportunities, issues, and trends in physical education. Emphasis on professional preparation requirements and competencies.

**PEP 2100 3**  
**Introduction to Coaching**  
TBA  
TBA  
OL  
Smith, Chad  
**Full Semester**

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**PEP 2500 3**  
**Sport Pedagogy**  
0930 - 1020  
MWF  
SW314  
Smith, Chad  
**Full Semester**

This course is designed to provide information on skill development, practice and game planning, season schedules, creating drills and practice sessions, motivating players and coaching tips.

**PEP 2700 3**  
**SS Sociohistoric**  
TBA  
TBA  
OL  
Smith, Chad  
**Full Semester**

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**PEP 3100 3**  
**Motor Learning and**  
1130 - 1220  
MWF  
SW314  
Zagrodnik,  
**Full Semester**

The purpose of this course is to introduce and explore motor learning and motor development principles. Particular focus will be on how the application of motor learning and motor development impact the physical education and coaching learning environments.

**PEP 3280 3**  
**Teach Strength &**  
1130 - 1220  
MWF  
SW410  
Smith, Chad  
**Full Semester**

Examine, evaluate and practice strength and conditioning theories and current practices for the purpose of preparing entry level professionals to select, incorporate, and facilitate appropriate conditioning activities, as well as design and evaluate the effectiveness of strength and conditioning programs. Two lecture/labs per week.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>PEP 3280</td>
<td>Teach Strength &amp; Conditioning</td>
<td>3</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>SW410</td>
<td>Smith, Chad</td>
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<td>1030 - 1145</td>
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<td>PEP 3290</td>
<td>Methods/Teach Fitness for</td>
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<td>1130 - 1245</td>
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<td>PEP 3520</td>
<td>Curriculum and Assessment</td>
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<td>0930 - 1020</td>
<td>MW</td>
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<td>PEP 3620</td>
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<td>0830 - 1015</td>
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<td>PEP 3630</td>
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<td>PEP 3660</td>
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Examine, evaluate and practice strength and conditioning theories and current practices for the purpose of preparing entry level professionals to select, incorporate, and facilitate appropriate conditioning activities, as well as, design and evaluate the effectiveness of strength and conditioning programs. Two lecture/labs per week.

This course is designed to introduce the fundamental principles of cardiovascular fitness, flexibility, and strength development, as well as to assist each individual to design and implement their own personal fitness program based on individual needs, assessments, and personal preferences. Students will explore resources for and methods of teaching the principles of fitness in the secondary school setting. This is a required course for the physical education major and the physical education/coaching minor.

Course emphasis is on developing curriculum necessary to meet the needs of diverse learners. Emphasis is also on development of assessment strategies that correctly match objectives and instruction. The students are given a basic understanding of the statistical use of data for grade determination. Students will have hands on experience in designing and implementing various assessments and grading methods relating to physical education objectives. Students will also be provided the opportunity to learn how to design and implement lessons using up-to-date forms of technology that are currently being used in public schools.

This course will avail students a practicum opportunity to apply in an area K-12 school the theory learned and the curriculum prepared in the Curriculum and Assessment PEP 3520 course. Students will develop lessons and assessments to determine students learning and implement them in a teaching experience in the school setting.

The course is designed to provide students with instructional methods, activities and skills for teaching Physical Education K-6 and Health Education. The course will include a 15-hour hands-on-practicum teaching experience in an area public school. The content of this course will be presented through various instructional strategies and teaching models.

Provides prospective elementary physical education teachers with the knowledge, skills, and experience necessary to delivering quality physical education lessons for elementary school-aged students. Principles, concepts, strategies, classroom management, skill development, and assessment will be explored.

The purpose of this course is to introduce and explore various congenital and acquired disabilities as well as gain an understanding of the legal mandates for individuals with disabilities and their educational rights. Particular emphasis and focus of this course will be on the application of various teaching methodologies to ensure inclusion for all in the physical education learning environment. In addition to meeting in the classroom, students will be required to participate in practicums both in the local school systems and at Weber State.
Provides prospective Junior High School physical education teachers with the knowledge, skills, and experience necessary to delivering quality physical education lessons for Junior High School-aged students. Principles, concepts, strategies, classroom management, skill development, and assessment will be explored.

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<td>HU Introduction to Philosophy</td>
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<td>1730 - 2010</td>
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<td>An introduction to ethical theories and their application to contemporary moral issues, such as human cloning, abortion, and physician-assisted suicide.</td>
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<td>HU Critical Thinking</td>
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<td>An introduction to informal logic, focusing on issues of logical form, standards of good and bad reasoning, and argumentative writing.</td>
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<td>PHIL 1250</td>
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<td>PHIL 2200</td>
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<td>Deductive Logic</td>
<td>1030 - 1145</td>
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<td>An introduction to the concepts and methods of modern symbolic logic. Emphasis is placed on problems of translating English expressions into logical symbols, on the development of skills in using the formal proof procedures of sentential and predicate logic, and development of the predicate calculus.</td>
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<td>PHIL 2920</td>
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<td>1730 - 2000</td>
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<td>LH135</td>
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<td>PHIL 3150</td>
<td>3</td>
<td>Existentialism</td>
<td>1330 - 1445</td>
<td>TR</td>
<td>LH222</td>
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<td>An examination of central themes in Existentialism, including anxiety, dread, freedom, awareness of death, and the consciousness and meaning of existence. These themes will be traced through the writings of such writers as Kierkegaard, Nietzsche, Heidegger, Camus, Sartre, and Simone de Beauvoir.</td>
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<td>PHIL 4450</td>
<td>3</td>
<td>Great Thinkers: Adam Smith</td>
<td>1130 - 1220</td>
<td>MWF</td>
<td>LH342</td>
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Selected study of the major works of a single central figure in philosophy. Philosophers whose works may be taught include, but are not limited to: Plato, Aristotle, Augustine, Aquinas, Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, Kant, Nietzsche, Mill, and Wittgenstein. May be taken twice with a different philosopher.

PHIL 4510 3 Metaphysics 0900 - 1015 TR LH054 Greene, Full Semester

A study of enduring topics concerning the nature of reality, such as the mind/body problem, free will/determinism, the problem of universals, and the existence of God. Historical and contemporary philosophers are discussed.

PHIL 4600 3 Ethical Theory 1330 - 1420 MWF LH124 Fudge, Robert Full Semester

An in-depth study of western ethical theories, including utilitarianism, Kantian ethics, virtue ethics, and social contract theory.

PHIL 4810 3 Phil of Gender and Sexuality 0930 - 1020 MWF LH124 Molter, Daniel Full Semester

PHIL 4830 1 Directed Readings TBA TBA Fudge, Robert Full Semester

Individually designed tutorial for philosophy minors and majors, intended to satisfy program requirements not available through scheduled class offerings.

PHIL 4830 2 Directed Readings TBA TBA Fudge, Robert Full Semester

Individually designed tutorial for philosophy minors and majors, intended to satisfy program requirements not available through scheduled class offerings.

PHIL 4920 1 Know It All Society 1730 - 2000 T LH135 Fudge, Robert Block 1

PHYS 1010 3 PS Elementary Physics 1030 - 1120 MWF LL121 Inglefield, Colin Full Semester

A brief survey of physics at the introductory level. Topics covered include laws of motion, gravity, energy, light, heat, sound, electricity, magnetism, atomic and nuclear physics, radioactivity, and relativity. Three hours of lecture per week.

PHYS 1010 3 PS Elementary Physics 1130 - 1220 MWF LL121 Armstrong, Full Semester

A brief survey of physics at the introductory level. Topics covered include laws of motion, gravity, energy, light, heat, sound, electricity, magnetism, atomic and nuclear physics, radioactivity, and relativity. Three hours of lecture per week.

PHYS 1010 3 PS Elementary Physics 1430 - 1520 MWF LL121 Rabosky, Full Semester

A brief survey of physics at the introductory level. Topics covered include laws of motion, gravity, energy, light, heat, sound, electricity, magnetism, atomic and nuclear physics, radioactivity, and relativity. Three hours of lecture per week.

PHYS 1010 3 PS Elementary Physics 1330 - 1445 TR LL121 Spirito, Kiley Full Semester

A brief survey of physics at the introductory level. Topics covered include laws of motion, gravity, energy, light, heat, sound, electricity, magnetism, atomic and nuclear physics, radioactivity, and relativity. Three hours of lecture per week.
PHYS 1010 3  PS Elementary Physics  TBA  TBA  OL  Amiri, Farhang

To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

PHYS 1040 3  PS Elementary Astronomy  0830 - 0920  MVF  LL203  Armstrong, A

A brief survey of the physical universe using the fundamental laws of physics. Topics include the history of astronomy, the solar system, the sun, the evolution of stars, pulsars, black holes, the Milky Way galaxy, galaxies, quasars, and the Big Bang. Three hours of lecture per week. Cross-listed with ASTR 1040. This course is now ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 CRN-22764.

PHYS 1040 3  PS Elementary Astronomy  0930 - 1020  MVF  LL203  Palen, Stacy

A brief survey of the physical universe using the fundamental laws of physics. Topics include the history of astronomy, the solar system, the sun, the evolution of stars, pulsars, black holes, the Milky Way galaxy, galaxies, quasars, and the Big Bang. Three hours of lecture per week. Cross-listed with ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 CRN-22765.

PHYS 1040 3  PS Elementary Astronomy  1430 - 1520  MVF  LL203  Palen, Stacy

A brief survey of the physical universe using the fundamental laws of physics. Topics include the history of astronomy, the solar system, the sun, the evolution of stars, pulsars, black holes, the Milky Way galaxy, galaxies, quasars, and the Big Bang. Three hours of lecture per week. Cross-listed with ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 CRN-22766.

PHYS 1040 3  PS Elementary Astronomy  0900 - 1015  TR  LL203  Sohl, John

A brief survey of the physical universe using the fundamental laws of physics. Topics include the history of astronomy, the solar system, the sun, the evolution of stars, pulsars, black holes, the Milky Way galaxy, galaxies, quasars, and the Big Bang. Three hours of lecture per week. Cross-listed with ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 CRN-22767.

PHYS 1040 3  PS Elementary Astronomy  TBA  TBA  OL  Carroll, Brad

This course is now ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 ONL CRN 23895. To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

PHYS 1040 3  PS Elementary Astronomy  1730 - 2010  T  LL203  Maxwell, M

This course is now ASTR 1040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 1040 CRN-24530.

PHYS 1360 3  PS Principles of Phys  1030 - 1120  MV  TY209  Johnston, J

A lecture/laboratory course designed to provide an introduction to the scientific method and its application to the study of selected topics in physics and chemistry. Two hours of lecture and one 3-hour lab per week. Recommended for Elementary Education majors.

PHYS 1360L 0  Prin Phy Sci Lab  1430 - 1720  M  TY218  Johnston, J
First semester of a two-semester sequence in general physics, primarily for students in pre-medicine, pre-dentistry, technology and other disciplines requiring physics without calculus. This semester covers topics in mechanics, including kinematics, Newton's laws, and the conservation laws of energy, linear momentum, and angular momentum. Also covered are topics in gravity, fluid mechanics, waves, and thermodynamics. • One 3-hour lab per week (PHYS 2019). PHYS 2010 and PHYS 2019 must be taken concurrently.

PHYS 2010 and PHYS 2019 must be taken concurrently. PHYS 2019 shares the 30 seats with PHYS 2219. No capacity overrides or lab section switch overrides will be given.

PHYS 2010 and PHYS 2019 must be taken concurrently. PHYS 2019 shares the 30 seats with PHYS 2219. No capacity overrides or lab section switch overrides will be given.

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PHYS 2010 and PHYS 2019 must be taken concurrently. PHYS 2019 shares the 30 seats with PHYS 2219. No capacity overrides or lab section switch overrides will be given.

Second semester of a two-semester sequence in general physics. This semester covers topics in electricity and magnetism, electromagnetic waves, light and optics, relativity, atomic, and nuclear physics. • One 3-hour lab per week (PHYS 2209). PHYS 2020 and PHYS 2029 must be taken concurrently.

PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.

PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.
**PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.**

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<tr>
<th>CRN</th>
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<th>Course Title</th>
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<th>Days</th>
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<tr>
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**PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.**

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**PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.**

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**PHYS 2020 and PHYS 2029 must be taken concurrently. PHYS 2029 shares the 30 seats with PHYS 2229. No capacity overrides or lab section switch overrides will be given.**

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<th>CRN</th>
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<tr>
<td>22809</td>
<td>PHYS 2040</td>
<td>PS Prin of Observational Astr</td>
<td>1630 - 1920</td>
<td>M</td>
<td>TY127</td>
<td>Palen, Stacy</td>
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<td>Full Semester</td>
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**PS Prin of Observational Astr**

An introductory course in observational astronomy. Topics will include planetary, stellar, and galactic astronomy, with a focus on modern observational techniques, including digital imagery, spectroscopy, and observing with science-grade astronomical instrumentation. • This course is now ASTR 2040. Please select the "Astronomy" subject on the Class Schedule Search and enroll in ASTR 2040 CRN-22808.

<table>
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<tr>
<th>CRN</th>
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<th>Course Title</th>
<th>Meeting Times</th>
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<tr>
<td>23035</td>
<td>PHYS 2090</td>
<td>Energy and the Environment</td>
<td>1030 - 1120</td>
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<td>TY240</td>
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This interdisciplinary course explores how energy moves through our modern technological society. We will study the many forms of energy, traditional and emerging sources of energy, and how energy use affects our environment. Much of the course will focus on identifying energy-related problems and their potential solutions.

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<tr>
<th>CRN</th>
<th>Course Code</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>PS Physics Scientist &amp; Engrs</td>
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<td>MWF</td>
<td>LL121</td>
<td>Schroeder,</td>
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<td>Full Semester</td>
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</table>

First semester of a two-semester sequence in calculus-based physics, primarily for students in science, math, computer science, and pre engineering. This semester covers topics in mechanics, including kinematics, Newton's laws, and the conservation laws of energy, linear momentum, and angular momentum. Also covered are topics in gravity, fluid mechanics, waves, and thermodynamics. • One 3-hour lab per week (PHYS 2219). PHYS 2210 and PHYS 2219 must be taken concurrently.

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<tr>
<th>CRN</th>
<th>Course Code</th>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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<td>Spirito, Kiley</td>
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**Physics lab I, Scientist/Eng.**

PHYS 2210 and PHYS 2219 must be taken concurrently. PHYS 2219 shares the 30 seats with PHYS 2219. No capacity overrides or lab section switch overrides will be given.

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<th>CRN</th>
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<th>Course Code</th>
<th>Course Title</th>
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<th>Days</th>
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<tr>
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**Physics lab I, Scientist/Eng.**

PHYS 2210 and PHYS 2219 must be taken concurrently. PHYS 2219 shares the 30 seats with PHYS 2219. No capacity overrides or lab section switch overrides will be given.
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<tr>
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<td>PHYS 2220 and PHYS 2229 must be taken concurrently. PHYS 2229 shares the 30 seats with PHYS 2029. No capacity overrides or lab section switch overrides will be given.</td>
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<td>F</td>
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<td>Inglefield, Colin</td>
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</tbody>
</table>

Second semester of a two-semester sequence in calculus-based physics. This semester covers topics in electricity and magnetism, electromagnetic waves, light and optics, relativity, and quantum, atomic, and nuclear physics. • One 3-hour lab per week (PHYS 2229). PHYS 2220 and PHYS 2229 must be taken concurrently.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<th>Lecture</th>
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<td>1230 - 1320 M</td>
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<td>PHYS 3190</td>
<td>Applied Optics</td>
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<td>0830 - 0920</td>
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<td>Analytical Mechanics</td>
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<td>PHYS 4570</td>
<td>Secondary Science Teach</td>
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<td>1630 - 1920</td>
<td>TY209</td>
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</table>

**PHYS 2220 and PHYS 2229 must be taken concurrently. PHYS 2229 shares the 30 seats with PHYS 2029. No capacity overrides or lab section switch overrides will be given.**
Acquaintance and practice with various teaching and assessment methods. Development of science curricula including lesson and unit plans. It is recommended that this course be completed immediately before student teaching.

**PHYS 4990 1 Seminar in Physics**
1330 - 1420  W  TY102  Sohl, John

Full Semester

Joint sessions of faculty and students devoted to current topics in physics. Students taking this course for credit will make a presentation based on individual library research of a topic agreed on with the faculty advisor. One credit required for physics majors. May be taken twice for credit. • Prerequisite: previous upper division physics course. Requires instructor’s special approval.

**POLS 1010 3 Intro to Political Science**
1030 - 1120  MWF  LH114  Stramer-Smith, 
20775  Full Semester

A study of American political institutions, interests, ideals, and the processes through which policies are formulated and implemented.

**POLS 1100 3 AI American Ntnl Government**
0830 - 0920  MWF  LH050  Johnson, Gary
20768  Full Semester

**POLS 1100 3 AI American Ntnl Government**
0930 - 1020  MWF  ED219  Murray, Leah
20770  Full Semester

**POLS 1100 3 AI American Ntnl Government**
1030 - 1120  MWF  LH174  Kuehls, Thom
20772  Full Semester

**POLS 1100 3 AI American Ntnl Government**
0900 - 1015  TR  LH216  Gwynn, 
20786  Full Semester

**POLS 1100 3 AI American Ntnl Government**
1030 - 1145  TR  LH206  Murray, Leah
20847  Full Semester

**POLS 1100 3 AI American Ntnl Government**
1730 - 2010  T  LH114  Goggi, Paul
20862  Full Semester

**POLS 1100 3 AI American Ntnl Government**
0930 - 1020  MWF  WW102  Murray, Leah
21657  Full Semester

**POLS 1100 3 AI American Ntnl Government**
0930 - 1020  MWF  SP315  Murray, Leah
21658  Full Semester

A study of American political institutions, interests, ideals, and the processes through which policies are formulated and implemented.
A study of American political institutions, interests, ideals, and the processes through which policies are formulated and implemented.

A study of American political institutions, interests, ideals, and the processes through which policies are formulated and implemented.

A study of American political institutions, interests, ideals, and the processes through which policies are formulated and implemented.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

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The purpose of the Leadership and Political Life class is to introduce students to the theory and practice of leadership in the public realm, which is applicable to the private sector.

Examines international political theories and concepts such as traditional Realism (power, state, and nationalism) with contrasting theories of Liberalism (globalization, organizations, and law). Application of these theories will be examined through case studies of powerful countries and regions in addition to problems such as the refugee crises, environmental concerns, and threats of global terrorism.

An introductory survey course that seeks to cover political institutions in the nations of the contemporary
w orld; to compare and contrast political institutions in the free w orld, in the communist w orld, in the nations of the developing w orld, and in the authoritarian systems.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<td>POLS 2400</td>
<td>3</td>
<td>SS Intro to Law and Courts</td>
<td>0730 - 0845</td>
<td>TR</td>
<td>LH106</td>
<td>Price, Richard</td>
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<tr>
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<td>An introductory survey of law and courts emphasizing the structure of courts, different forms of law, and the various actors involved in legal conflicts.</td>
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<tr>
<td>POLS 3200</td>
<td>3</td>
<td>Middle East and North Africa</td>
<td>1230 - 1510</td>
<td>W</td>
<td>LH204</td>
<td>Stramer-Smith,</td>
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<td>A survey of the political dynamics of selected states and societies in the Middle East and North Africa (MENA). Issues to be covered: the impact of early Middle Eastern/North African history upon today's politics; class structures in the MENA countries and their impact on politics; the rise of Arab nationalism; Zionism; the politics of oil; the status of women; the political impact of economic restructuring; Islamic movements; state-building; and political liberalization and democratization in the Middle East and North Africa.</td>
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<tr>
<td>POLS 3290</td>
<td>3</td>
<td>Democratization &amp; Pol TRANS</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>LH124</td>
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<td>A survey of the democratic transitions literature with focus on political transitions in comparative perspective. This course will compare a variety of different kinds of political transitions in different regions of the world, including cases in which countries have transitioned back to authoritarianism.</td>
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<tr>
<td>POLS 3340</td>
<td>3</td>
<td>Environmental Political Theory</td>
<td>0930 - 1020</td>
<td>MWF</td>
<td>LH216</td>
<td>Kuehls, Thom</td>
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<td>Full Semester</td>
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<td>This is an upper division course in political theory, with the specific focus being environmental political theory. The course examines a range of theoretical perspectives on a range of issues including how we conceptualize humans, nature, and politics.</td>
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<tr>
<td>POLS 3600</td>
<td>3</td>
<td>Political Parties</td>
<td>1200 - 1315</td>
<td>TR</td>
<td>LH116</td>
<td>Murray, Leah</td>
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<td>Full Semester</td>
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<td>A study of the organization and function of the American political parties, political organizations that play a role alongside political parties in the American political system, such as interest groups, and a comparative study of political parties in other countries.</td>
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<tr>
<td>POLS 3750</td>
<td>3</td>
<td>CEL Urban Govt &amp; Politics</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>LH001</td>
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<td>Full Semester</td>
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<td></td>
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<td>A study of local government organization and policy problems, with an emphasis on problems of the metropolitan areas.</td>
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<td>CEL State Govt &amp; Politics</td>
<td>1130 - 1220</td>
<td>MWF</td>
<td>LH106</td>
<td>Johnson, Gary</td>
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<td>An examination of governmental organization, operation, policy making, and electoral politics of state governments and the dynamics of relationships with other levels of government.</td>
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<tr>
<td>POLS 3780</td>
<td>3</td>
<td>Lobbying: Theory and</td>
<td>1730 - 2010</td>
<td>W</td>
<td>LH222</td>
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<td>This course looks at both the theory and practice of lobbying, primarily at the state and local governmental levels; and it examines the business of lobbying, how the profession of lobbying has developed, what lobbyists do, the ethical constraints of lobbying, and from whence the right to petition the government is derived.</td>
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<tr>
<td>POLS 4020</td>
<td>3</td>
<td>American Constitutional Law I</td>
<td>1330 - 1445</td>
<td>TR</td>
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<td>Price, Richard</td>
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<td>POLS 4100</td>
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<td>Free Speech in Law /Politics</td>
<td>0900 - 1015</td>
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This course explores the historical meaning of free speech in the United States, the modern development and application of free speech principles in constitutional law, and how other countries deal with free speech disputes.

**POL 4190**  3  Theories of International Politics  1330 - 1445  TR  LH114  Kuehls, Thom  
20854  
Full Semester  

An analysis of traditional and contemporary theories offered to explain politics in the international arena.

**POL 4640**  3  American Presidency  1030 - 1120  MWF  LH216  Murray, Leah  
20776  
Full Semester  

A study of the United States presidency and the people who have held the office. This course examines individual presidential character and personality as well as providing a survey of the history of the institution.

**POL 4800**  1  Indiv Projects and Research  TBA  TBA  Kuehls, Thom  
20889  
Full Semester  

A student may complete six credit hours but not more than three hours in any one type of project. Department approval required.

**POL 4800**  2  Indiv Projects and Research  TBA  TBA  Kuehls, Thom  
20890  
Full Semester  

A student may complete six credit hours but not more than three hours in any one type of project. Department approval required.

**POL 4830**  1  Directed Readings  TBA  TBA  Kuehls, Thom  
20891  
Full Semester  

A maximum of four hours will be counted toward the Political Science major and only two hours will be counted toward the Political Science minor. Department approval required.

**POL 4830**  2  Directed Readings  TBA  TBA  Kuehls, Thom  
20892  
Full Semester  

A maximum of four hours will be counted toward the Political Science major and only two hours will be counted toward the Political Science minor. Department approval required.

**POL 4860**  1  Washington D.C. Internships  TBA  TBA  Hunter, Robert  
20872  
Full Semester  

A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.

**POL 4860**  2  Washington D.C. Internships  TBA  TBA  Hunter, Robert  
20873  
Full Semester  

A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.

**POL 4860**  3  Washington D.C. Internships  TBA  TBA  Hunter, Robert  
20875  
Full Semester  

A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.

**POL 4860**  4  Washington D.C. Internships  TBA  TBA  Hunter, Robert  
20876  
Full Semester  

A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.

**POL 4860**  5  Washington D.C. Internships  TBA  TBA  Hunter, Robert  
20877  
Full Semester  

A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.
A maximum of eight hours will be counted toward the Political Science major or four hours toward the Political Science minor. Department approval required.

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Internships located outside of the United States.

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State or Local internship credits. Professor approval required.

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State or Local internship credits. Professor approval required.

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State or Local internship credits. Professor approval required.

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State or Local internship credits. Professor approval required.
State and Local Internship  TBA  TBA  Hunter, Robert
Full Semester
State or Local internship credits. Professor approval required.

Internship in Perspective  TBA  TBA  Hunter, Robert
Full Semester
This course is designed to put the internship experience in broader context. Students will read books and articles on current issues and then focus on the way that government and non-governmental institutions combine to make policy. In this students will take their political science knowledge and apply it to practical politics.

Internship Research  TBA  TBA  Hunter, Robert
Full Semester
This course is designed to complement the student intern's experience while in the placement. This course is designed to give the student a chance to do a research project based on his or her experience in the internship. The research evolves out of assignments given at the internship.

United Nations Conference  0800 - 1700 MTW
Block 1
Stramer-Smith,

Senior Seminar/Senior Thesis  TBA  TBA  Kuehls, Thom
Full Semester
A seminar in the field of political science. Students will be required to produce a major paper out of this seminar. Required for Political Science majors.

Fundamental Selling  0930 - 1020 MW TE102C
Border, Tim
Full Semester
A retail, wholesale, and direct selling course. Emphasis upon mastering and applying the fundamentals of selling. Preparation for and execution of sales demonstrations required.

Fundamental Selling  0930 - 1020 TR TE102C
Border, Tim
Full Semester
A retail, wholesale, and direct selling course. Emphasis upon mastering and applying the fundamentals of selling. Preparation for and execution of sales demonstrations required.

Fundamental Selling  TBA  TBA OL
Border, Tim
Full Semester
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

Sales Channels  0830 - 0920 TR TE102C
Adams, Brock
Full Semester
Examination of the distribution process of goods and services, the interrelationships of customer demands, production, pricing, promotion, and the movement of goods from producer to consumer.

Sales Channels  TBA  TBA OL
Eichmeier,
Full Semester
To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

Intro to Sales & Service Tech  1130 - 1220 W TE102C
Eichmeier,
Full Semester
This course is designed to help those new PS majors or those exploring the PS major field learn more about the career/employment options available. This course is also designed to review the various academic emphases,
major requirements, and decision making process.

PS 1401 1 Intro to Sales & Service Tech TBA TBA OL Barberi-Weil,
22210 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 1503 3 Intro to Fashion 1130 - 1220 M TE102C Cooper,
21445 Full Semester
A study of the Fashion Merchandising industry, including careers in design, manufacturing, wholesaling, promotion, and retailing, including well-known designers, manufacturers, promotion media and apparel and accessory retail institutions.

PS 1503 3 Intro to Fashion TBA TBA OL Cooper,
22211 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 1890 1 Work Experience TBA TBA Eichmeier,
21451 Full Semester
Open to all first year declared majors in Professional Sales. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by department. May be repeated a maximum of 3 times or until a maximum of 6 credit hours is reached.

PS 1890 2 Work Experience TBA TBA Eichmeier,
21452 Full Semester
Open to all first year declared majors in Professional Sales. Provides academic credit for on-the-job experience. Grade and amount of credit will be determined by department. May be repeated a maximum of 3 times or until a maximum of 6 credit hours is reached.

PS 2383 3 Retail Merchandising & TBA TBA OL Lawrence,
22214 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 2603 3 Advanced Selling Techniques 1030 - 1120 TR TE102C Graf, David
21484 Full Semester
Study of advanced techniques including, opening, investigating, demonstrating capability and obtaining commitment of the consultative and strategic seller.

PS 2603 3 Advanced Selling Techniques TBA TBA OL Flink, Nicole
22217 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 2703 3 Internet Sales and Service TBA TBA OL Lawrence,
22220 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 2890 1 Work Experience II TBA TBA Eichmeier,
21453 Full Semester
Open to second year declared majors in Professional Sales. A continuation of PS 1890. May be repeated a maximum of 3 times or until a maximum of 6 credit hours is reached. Open to second year declared majors in Professional Sales. A continuation of PS 1890. May be repeated a maximum of 3 times or until a maximum of 6 credit hours is reached.
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<td></td>
<td>Utilization of personality profiling and behavioral styles profiling assessment instruments as applied to account representatives, retail salespersons, sales engineers, industrial product salespersons non-technical and service salespersons.</td>
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<td>A study of customer service techniques required in order to sell and service products, systems, or services needed by industrial manufacturing, processing, mining, construction firms, or other related technical areas.</td>
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<td>Application of oral and written communication, including diversity and international aspects of communication.</td>
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<td>This course will teach professional sales people to use sales technologies to (1) attract new clientele (2) strengthen customer relationships (3) expand existing accounts and (4) establish a position as an authority in the field.</td>
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<td>Principles, techniques and analysis of strategies involved in contract and sales negotiations. Development of integrated strategies through group and individual interaction.</td>
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<td>A study of sales planning and forecasting. Special emphasis will be given to goal setting, prioritizing, sales forecasting and establishing and managing a sales territory. The student will also learn techniques for individual goal setting and time management.</td>
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PS 3563 3 Principles Sales Supervision TBA TBA OL Nielson, Blake

22314 Full Semester

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PS 3702 2 Developing Team Leadership 1230 - 2100 RF TE202N Adams, Brock

21465 Block 1

A skills based course designed to develop the interpersonal and leadership skills necessary to work effectively in teams and guide teams through the group stages of development. This course will be facilitated in such a way that the participants will learn how to diagnose team developmental level and develop a high performing team by applying the principles of situational leadership and the DISC personality profiles system.

PS 3703 3 Professional Sales 1130 - 1220 TR TE102C Adams, Brock

22727 Full Semester

Application of advanced persuasion skills to use in professionally organized competitions. This course will use simulations and role-playing to develop persuasive techniques and theoretical applications.

PS 3803 3 Sales Proposals 0830 - 0920 TR TE202N Hansen, Mark

21487 Full Semester

A study of selling techniques required in order to sell products, systems, or services needed by industrial manufacturing, processing, mining, construction firms, or other related technical areas.

PS 3903 3 Sales Presentation Strategies TBA TBA OL Hansen, Mark

22315 Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 3803 3 Sales Proposals TBA TBA OL Arnold, Alan

22316 Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

PS 3903 3 Sales Presentation Strategies 1030 - 1120 MW TE102C Cooper,

21446 Full Semester

Principles and practices for the five major categories of professional sales consultants.

PS 3903 3 Sales Presentation Strategies TBA TBA OL Cooper,

22317 Block 1

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Principles, techniques and analysis of ethics in the sales and service professions. Utilizes group interaction, individualized hands-on experiences and a field based experience.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

Please note: You must take PS 4610 & PS 4620 from the same Professor.

A continuation of PS 4610. Please not: You must take PS 4610 & PS 4620 from the same Professor.

Individual readings supervised by a faculty member.

Research and discussion of sales and service related problems. Also designed to prepare sales and service majors for the job market and career opportunities.

Research and discussion of sales and service related problems. Also designed to prepare sales and service majors for the job market and career opportunities.

Introduction to the scientific study of human behavior.
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Introduction to the scientific study of human behavior.

A systematic review of the research on interpersonal relationships, including the study of multiple factors that contribute to relationship development and functioning and the diverse socio-cultural contexts in which relationships occur.

The philosophical, theoretical, and empirical issues of psychology of gender. Issues include gender differences, stereotypes, androgyne, sexuality, health issues, achievement motivation, gender stereotypes, global women's issues, sexual orientation, issues for women with disabilities, and violence.

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Independant readings or secondary research on advanced special topics under the direction of a faculty mentor. For each hour of credit in a readings project the student is required to read an appropriate number of primary research journal articles and book chapters. Repeatable for a maximum of 4 credit hours. A paper written in APA style and oral report are required at the end of the term.

PSY 2830 3 Directed Readings TBA TBA Ashley, Aaron
20373 Full Semester

Independant readings or secondary research on advanced special topics under the direction of a faculty mentor. For each hour of credit in a readings project the student is required to read an appropriate number of primary research journal articles and book chapters. Repeatable for a maximum of 4 credit hours. A paper written in APA style and oral report are required at the end of the term.

PSY 2890 1 Co-op Work Experience TBA TBA Ashley, Aaron
20374 Full Semester

Open to all students who meet the following requirements. Provides academic credit for on-the-job learning experience. Learning experiences will be specified in a learning contract. Grade and amount of credit will be determined by the department. Limited to two credit hours per semester and four credit hours counted toward the psychology major and minor from the following courses: PSY 2890, 4890, 4380 and 4390. Federal regulations restrict all Cooperative Work Experience to no more than six semester hours. Must be employed in a position that uses psychological training. By prior permission of instructor only.

PSY 2890 2 Co-op Work Experience TBA TBA Ashley, Aaron
20375 Full Semester

Open to all students who meet the following requirements. Provides academic credit for on-the-job learning experience. Learning experiences will be specified in a learning contract. Grade and amount of credit will be determined by the department. Limited to two credit hours per semester and four credit hours counted toward the psychology major and minor from the following courses: PSY 2890, 4890, 4380 and 4390. Federal regulations restrict all Cooperative Work Experience to no more than six semester hours. Must be employed in a position that uses psychological training. By prior permission of instructor only.

PSY 3000 3 Child Psychology 1730 - 2010 M 1730 - 2010 M SP322 Russell-Principles and theories of physiological, psychological, emotional, cognitive, personality and social child development and parent-child relations and developmental problems.
20313 Full Semester

PSY 3000 3 CEL Child Psychology 1030 - 1120 MWF 1030 - 1120 MWF D02321 Kay, Theresa Principles and theories of physiological, psychological, emotional, cognitive, personality and social child development and parent-child relations and developmental problems.
20317 Full Semester

PSY 3000 3 Child Psychology TBA TBA Mansfield, Principles and theories of physiological, psychological, emotional, cognitive, personality and social child development and parent-child relations and developmental problems.
20326 Full Semester

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PSY 3000 3 Child Psychology 0930 - 1020 MWF 0930 - 1020 MWF LH280 Mansfield, Principles and theories of physiological, psychological, emotional, cognitive, personality and social child development and parent-child relations and developmental problems.
20453 Full Semester

PSY 3000 3 Child Psychology 0900 - 1015 TR 0900 - 1015 TR LH305 Shaw, Leigh Principles and theories of physiological, psychological, emotional, cognitive, personality and social child development and parent-child relations and developmental problems.
20480 Full Semester

PSY 3010 3 CEL Abnormal Psychology TBA TBA Kay, Theresa
20327 Full Semester
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<td>PSY 3255</td>
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<td>This course will involve an analysis of the complex processes involved in the acquisition, retention, and expression of new behaviors and the mechanisms related to altering existing behaviors in all types of animals (human and nonhuman). The course will examine the historical and current central theoretical concepts and issues in the fields of conditioning and learning. Additionally, the course will provide you with an understanding of the principles of applied behavioral analysis and modification.</td>
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### PSY 3255 3  Condition, Learn, Behavior  0830 - 0920  MWF  LH124  Wilhelmsen, Full Semester

This course will involve an analysis of the complex processes involved in the acquisition, retention, and expression of new behaviors and the mechanisms related to altering existing behaviors in all types of animals (human and nonhuman). The course will examine the historical and current central theoretical concepts and issues in the fields of conditioning and learning. Additionally, the course will provide you with an understanding of the principles of applied behavioral analysis and modification.

### PSY 3430 3  Theories of Personality  TBA  TBA  Baird, Todd  Full Semester

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### PSY 3460 3  CEL Social Psychology  TBA  TBA  Garza, Azenett  Full Semester

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

### PSY 3500 3  Cognition  1230 - 1345  MW  LH106  Herrmann, Full Semester

### PSY 3600 3  Statistics in Psychology  1030 - 1145  TR  LH302  Garza, Azenett  Full Semester

### PSY 3605 1  Psychology Statistics Lab  1600 - 1715  M  LH302  Ashley, Aaron  Full Semester

### PSY 3610 4  Research Methods in Psych  0705 - 0845  TR  LH302  Baird, Todd  Full Semester
Scientific methods of behavioral research. Emphasis upon design, conducting, and analysis of experiments on human and animal behavior as well as proposal writing and critiques of experimental literature. Prerequisite: PSY SS1010 and PSY 3600 or equivalent with prior approval from the Department Chair. Prerequisite/Co-requisite: PSY 3605 or equivalent with prior approval from the Department Chair.

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Placement of students in state and community agencies for the purpose of providing supervised practice in application of psychological skills and knowledge. A maximum of four credit hours counted toward the psychology major and minor from the following courses: PSY 2890, 4890, 4380 and 4390.

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Independent readings or secondary research on advanced special topics under the direction of a faculty mentor. For each hour of credit in a readings project the student is required to read an appropriate number of primary research journal articles and book chapters. Repeatable for a maximum of 6 credit hours. A paper written in APA style and oral report are required at the end of the term.

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A research project to be written by a senior student under the supervision of a faculty member. Successful completion of the research project will fulfill the capstone requirement of the major (as an alternative to PSY 4000 or 4090) and the senior project requirement for honors. The student must apply for acceptance into the course (applications available from the chair), and the research proposal and the final project must be approved by a faculty committee. It is expected that the course will be taken once for the writing and defense of a proposal and repeated for the writing and defense of the final project.

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To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

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Emphasis on applications of quantitative tools to problems in business. Topics include profit maximization, cost functions, demand analysis, and output maximization with budget constraints and resource allocation.

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Introduction to concepts and applications of statistics in business and economics. Topics include summary statistics, probability distributions of random variables, sampling, and estimation. Class will include use of computers.

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Introduction to concepts and applications of statistics in business and economics. Topics include summary statistics, probability distributions of random variables, sampling, and estimation. Class will include use of computers.

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Offered through The Dive Shop. Call 801-295-5445 for information and scheduling. Additional costs up to $300 for books, equipment rental, dive trips.

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Offered through Adventure West Scuba. Call 801-476-1300 for information and scheduling. Additional costs up to $300 for books, equipment rental, dive trips.

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A beginner level physical activity course that allows students to learn and develop the skills and knowledge needed to safely enjoy rock climbing.

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Class meets at 9th Street trail head off-campus.

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Class meets at 22nd Street trail head off-campus.

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To access online course materials, please log into your Weber portal and click on WSU Online-Canvas.
Supply chain management is the value creation engine of every organization. The focus of this course is to acquaint students with the core elements of supply chain management: 1) customer value, 2) collaborative value creation, and 3) systems thinking. The course introduces and defines the three primary functions that compose supply chain activities: 1) purchasing, 2) operations, and 3) logistics—and shows how they need to work together to create the high-quality, low-cost, and innovative products and services that customers expect to find in today's marketplace. Important analytical tools are introduced.
Spreadsheet software enables business people to model and analyze quantitative problems in a wide variety of business contexts. This course covers spreadsheet modeling in terms of optimization models for deciding the best set of decisions to meet constraints and performance objectives; simulation models for considering uncertainty in business operations and decisions; and other decision models and tools. Through conceptual and applied topics, this course will enhance one's problems solving and modeling capabilities as well as Excel spreadsheet skills.

This course incorporates readings, site visits, and case analysis to convey state-of-the-art and emerging business logistics practices. The focus of this course is on forecasting, inventory management, transportation, distribution and warehousing, with an introduction to contemporary issues in logistics such as HADR and sustainability. Development of leading-edge strategies, which promote a firm's ability to differentiate itself in terms of its supply chain performance is emphasized.

This course provides students an introduction to the supply management discipline, focusing on the development of category management skills and the purchasing process. Companies have always sourced a large percent of their COGS—up to 50-80%. However, today's emphasis on core competencies and increased use of outsourcing makes sourcing even more strategic. Sourcing managers are responsible for managing supplier capacity and capabilities. The course emphasizes costing and relationship management tools. This course builds the foundation for students to pass the Certified Profession in Supply Management (CPSM) exam.

Introduces principles and practices for achieving quality, customer satisfaction, and performance excellence. Emphasis on process improvement, problem-solving, variation and statistical thinking, customer and supplier relationships, service quality, employee involvement, project management, and quality management frameworks. Presents tools and methods for analyzing and improving business processes, including Six Sigma, lean, and theory of constraints. This course builds the foundation for students to pass the ASQ Certified Quality Process Analyst exam.

Early in their careers, many choose to work for a management consulting company or get involved in rotations within a company. These jobs and programs expose the worker to a wide variety of job types and functions and prepare the worker for whatever opportunities the future may bring. In this course, students are exposed to operations and supply chain management consulting projects typical of what they could expect in a full-time consulting position or in a company's early-career leadership rotation program.
A structured professional-level field experience. The student will be counseled and supervised as he/she applies and integrates the knowledge and skills obtained through operations management and logistics courses.

SOC 1010 3 SS/DV Intro to Sociology 0830 - 0920 MWF LH214 Hill, Huiying 21114 Full Semester

An introduction to the study of Sociology through the concepts and principles used to understand and evaluate society. It focuses on all aspects of society: culture; social interaction; institutions; group processes; deviance and social control; stratification, diversity, and inequality based on race, ethnicity, class, gender, etc.; and social stability and change.

SOC 1010 3 SS/DV Intro to Sociology 0930 - 1020 MWF LH214 Hill, Huiying 21116 Full Semester

SOC 1010 3 SS/DV Intro to Sociology 1130 - 1220 MWF LH124 Ollilainen, 21118 Full Semester

SOC 1010 3 CEL SS/DV Intro to Sociology 0900 - 1015 TR LH124 Morris, RC 21120 Full Semester

SOC 1010 3 CEL SS/DV Intro to Sociology 1030 - 1145 TR LH124 Morris, RC 21121 Full Semester

SOC 1010 3 SS/DV Intro to Sociology 1730 - 2010 M LH214 Richens, Greg 21176 Full Semester

SOC 1010 3 SS/DV Intro to Sociology 1730 - 2010 R SP316 Barrett-Fox, 21565 Full Semester

SOC 1010 3 SS/DV Intro to Sociology 0900 - 1015 TR D02113 Albrecht, Carol 21570 Full Semester
### SOC 1010  SS/DV Intro to Sociology

**3**

**Full Semester**

An introduction to the study of Sociology through the concepts and principles used to understand and evaluate society. It focuses on all aspects of society: culture; social interaction; institutions; group processes; deviance and social control; stratification, diversity, and inequality based on race, ethnicity, class, gender, etc.; and social stability and change.

**21571**

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### SOC 1010  SS/DV Intro to Sociology

**3**

**Full Semester**

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### SOC 1010  SS/DV Intro to Sociology

**3**

**Full Semester**

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### SOC 1020  SS/DV Social Problems

**3**

**Full Semester**

A study of major social problems in contemporary society, including issues of age, gender, family, race, ethnicity, wealth and poverty, politics, education, public safety, health care, substance abuse, and environment. Special emphasis is given to these issues and their consequences for today's global and diverse society.

**21575**

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### SOC 1020  SS/DV Social Problems

**3**

**Full Semester**

A study of major social problems in contemporary society, including issues of age, gender, family, race, ethnicity, wealth and poverty, politics, education, public safety, health care, substance abuse, and environment. Special emphasis is given to these issues and their consequences for today's global and diverse society.

**21579**

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### SOC 1020  SS/DV Social Problems

**3**

**Full Semester**

A study of major social problems in contemporary society, including issues of age, gender, family, race, ethnicity, wealth and poverty, politics, education, public safety, health care, substance abuse, and environment. Special emphasis is given to these issues and their consequences for today's global and diverse society.

**21572**

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### SOC 1020  SS/DV Social Problems

**3**

**Full Semester**

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

### SOC 1020  SS/DV Social Problems

**3**

**Full Semester**

To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

### SOC 3000  Self and Society

**3**

**Full Semester**

Sociological Social Psychology is the study of individual, group, and social behavior through analysis of the relationship between individuals and social institutions. Individuals actively create social structure while they are simultaneously shaped by it. Students will analyze how social interaction, processes, roles, and statuses are created and maintained by individuals. Students will also analyze how these same processes, roles, and statuses shape their individual behavior. Social Psychological theories and methodologies are also addressed.
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<td></td>
<td></td>
<td>A study of the classical tradition of sociological thought in late 18th to early 20th century Europe and 19th to early 20th century U.S. The course introduces the main theories of Comte, Martineau, Marx, Weber, Simmel, Durkheim, and others, including early theorists of gender and race. To be taken before Sociology 4030.</td>
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<tr>
<td>SOC 3130</td>
<td>3</td>
<td>Sociology of Gender</td>
<td>1030 - 1120</td>
<td>MWF</td>
<td>LH104</td>
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<tr>
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<td>This course is an examination as to how and why communities create gender categories as well how gender influences individuals' identities, behaviors, and life experiences. Students will study gender within a variety of contexts, such as the workplace, family, politics, athletics, education, health, media, and religion. Attention will also be given to sociological theories of gender, gender socialization, and the intersection of gender, race, class, and sexuality.</td>
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<tr>
<td>SOC 3270</td>
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<td>Criminology</td>
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<tr>
<td></td>
<td></td>
<td>Study of the nature, extent, causes, and treatment of crime.</td>
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<tr>
<td>SOC 3400</td>
<td>3</td>
<td>Social Change</td>
<td>0930 - 1020</td>
<td>MWF</td>
<td>LH204</td>
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<td>The factors which change society and how society changes, emphasizing technological innovations and its implications, social movements, and the role of individuals.</td>
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<tr>
<td>SOC 3600</td>
<td>3</td>
<td>Social Statistics</td>
<td>0900 - 1015</td>
<td>TR</td>
<td>LH302</td>
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<td></td>
<td>Introduction to descriptive and inferential statistical analysis techniques and the presentation of results.</td>
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<td>Introduction to descriptive and inferential statistical analysis techniques and the presentation of results.</td>
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<td></td>
<td></td>
<td>Examines the scientific foundations of Sociology and methods of Sociological Research.</td>
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<tr>
<td>SOC 4030</td>
<td>3</td>
<td>Contemporary Soc Theory</td>
<td>1030 - 1145</td>
<td>TR</td>
<td>LH207</td>
<td>Hill, Huiying</td>
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<tr>
<td></td>
<td></td>
<td>The works of major contemporary theorists (Mead, Parsons, Merton, Goffman, Garfinkel, etc.) and the emergence of current schools of sociological thought.</td>
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<tr>
<td>SOC 4410</td>
<td>3</td>
<td>Sociology of Globalization</td>
<td>1730 - 2010</td>
<td>T</td>
<td>LH214</td>
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<tr>
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<td>Study of economic, political, and cultural globalization in the late 20th and early 21st century. The course examines the history, theories and critiques of globalization, the key actors in global political-economy, the institutions and events that shape global processes, and globalization's impact on local economies, politics, culture, and the natural environment.</td>
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<td>SOC 4830</td>
<td>1</td>
<td>Readings and/or Projects</td>
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<td>Individual readings and/or projects for sociology majors or minors. (Maximum of 5 hours applied toward graduation, 3 of which can be applied toward the sociology major or minor.)</td>
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<td>Individual readings and/or projects for sociology majors or minors. (Maximum of 5 hours applied toward</td>
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graduation, 3 of which can be applied toward the sociology major or minor.

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<th>Course Title</th>
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<th>Time</th>
<th>Days</th>
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Individual readings and/or projects for sociology majors or minors. (Maximum of 5 hours applied toward graduation, 3 of which can be applied toward the sociology major or minor.)

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</table>

Qualified juniors and seniors may apply for internships among federal, state and private agencies. Internships are anticipated to provide the student with both practical and research experiences. A student may complete up to 9 hours, but not more than 6 hours in any one type of internship. A maximum of 3 hours may be applied toward the sociological major or sociological minor.

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<th>Time</th>
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<th>Course Code</th>
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<th>Days</th>
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A course designed to organize all of the knowledge that the student has gleaned from his/her major into an integrated whole. This course will help the student make relevant the knowledge that he/she has learned. This will be accomplished by having the student write a senior thesis as well as attend lectures.

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<tr>
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</table>
A course designed to organize all of the knowledge that the student has gleaned from his/her major into an integrated whole. This course will help the student make relevant the knowledge that he/she has learned. This will be accomplished by having the student prepare a project based on a previously completed internship as well as attend lectures.

<table>
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<th>Course Code</th>
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To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

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Introductory course assuming no significant previous experience with the language.

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Continuation of 1010.

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<td>Second Semester Spanish</td>
<td>3</td>
<td>1030 - 1120</td>
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Continuation of 1010.

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<td>23109</td>
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</table>
SPAN 1020 3 Second Semester Spanish 0830 - 0920 MWF EH116 Beus, Eric
Continuation of 1010.

SPAN 1020 3 Second Semester Spanish 1230 - 1320 MWF EH117 Griffith, Jenna
Continuation of 1010.

SPAN 2010 3 Third Semester Spanish 1130 - 1220 MWF EH116 Jasmer,
Continuation of 1010. Students learn and apply strategies for acquiring a foreign language. The process of foreign language acquisition reflects how humans learn, think and communicate. This course assumes completion of first-year or equivalent experience.

SPAN 2010 3 Third Semester Spanish 1030 - 1145 TR D03207 Michalek de

SPAN 2020 3 Fourth Semester Spanish 0930 - 1020 MWF EH116 Jasmer,
Continuation of 2010. The learning and application of strategies for acquiring a foreign language. Students also learn how cultural products and practices reflect a culture's attitudes, values, ideas and meaning. The process of language acquisition and the seeking of cross-cultural understanding provide insights into the commonalities of how the human family learns, thinks and communicates.

SPAN 3000 3 Proficiency Development 1030 - 1120 MWF EH116 Jasmer,
This is a transition course to upper division. The course focuses on oral proficiency development. Students will learn a variety of techniques and strategies to increase their oral proficiency in a variety of social, educational and cultural settings. Native-speaking students or those who have acquired proficiency through residence in the target language community are not eligible to take this class.

SPAN 3060 3 Grammar & Composition 0900 - 1015 TR EH118 Mathews, Tom
Required of all majors and minors. Readings to develop conversation, composition and grammar skills. One sheltered section may be offered to students who have not had extensive in-country experience.

SPAN 3060 3 Grammar & Composition 0830 - 0920 MWF EH106 Bergeson,
Required of all majors and minors. Readings to develop conversation, composition and grammar skills. One sheltered section may be offered to students who have not had extensive in-country experience.

SPAN 3060 3 Grammar & Composition 1730 - 2010 M EH118 Norseth,
Required of all majors and minors. Readings to develop conversation, composition and grammar skills. One sheltered section may be offered to students who have not had extensive in-country experience.

SPAN 3060 3 Grammar & Composition 1030 - 1145 TR EH104 Trimble, John
Required of all majors and minors. Readings to develop conversation, composition and grammar skills. One sheltered section may be offered to students who have not had extensive in-country experience.
<table>
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<th>Course Title</th>
<th>Credits</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>Grammar &amp; Composition</td>
<td>3</td>
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<td>To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas</td>
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<td>SPAN 3160</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>1200 -</td>
<td>TR</td>
<td>EH115</td>
<td>Esquivias</td>
<td>3160 may be taken concurrently with other literature courses. One sheltered section may be offered to students who have not had extensive in-country experience.</td>
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<td>SPAN 3160</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>0930 -</td>
<td>MWF</td>
<td>EH106</td>
<td>Bergeson</td>
<td>3160 may be taken concurrently with other literature courses. One sheltered section may be offered to students who have not had extensive in-country experience.</td>
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<td>SPAN 3220</td>
<td>Phonetics &amp; Phonology</td>
<td>3</td>
<td>1130 -</td>
<td>MWF</td>
<td>EH118</td>
<td>Trimble, John</td>
<td>Analysis of the sounds of language and word formation: practice of native like speech patterns. Required of all teaching majors and minors.</td>
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<td>SPAN 3320</td>
<td>Advanced Communication</td>
<td>3</td>
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<td>MWF</td>
<td>EH118</td>
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<td>May be repeated under different titles.</td>
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<td>SPAN 3360</td>
<td>Advanced Grammar</td>
<td>3</td>
<td>0830 -</td>
<td>MWF</td>
<td>EH118</td>
<td>Mathews, Tom</td>
<td>Analysis and application of syntactic principles and discourse structure.</td>
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<td>MWF</td>
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<tr>
<td>SPAN 3570</td>
<td>Rogues &amp; Superheroes</td>
<td>3</td>
<td>0930 -</td>
<td>MWF</td>
<td>EH115</td>
<td>Fielding,</td>
<td>In-depth studies in culture, history, geography, social customs, fine arts and civilization. May be repeated for other non-English speaking cultures.</td>
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<td>23127</td>
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<td>1020</td>
<td>MWF</td>
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<tr>
<td>SPAN 3632</td>
<td>Comedia</td>
<td>3</td>
<td>1030 -</td>
<td>TR</td>
<td>EH115</td>
<td>Batista, Diego</td>
<td>(IM=Intermediate Mid). A survey of theater plays by one or various authors of a particular period or place, or spanning several literary movements and geographical regions. May be taken 3 times up to 9 credits under different titles.</td>
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<td>23129</td>
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<td>TR</td>
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<td>SPAN 3670</td>
<td>Noble Prize Winners</td>
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<td>OL</td>
<td>Maughan,</td>
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To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

### Business Language I

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<tr>
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<td>0900-1015</td>
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Business Language and Practices. Required of all commercial majors.

### CEL Medical Spanish I

<table>
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<td>SPAN 3720</td>
<td>3</td>
<td>1730-1845</td>
<td>W</td>
<td>EH118</td>
<td>Fielding,</td>
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<td>23132</td>
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</table>

This course is content, vocabulary and culture-based. The course focuses on practical vocabulary, idiomatic expressions, professional terminology and cultural interactions on a variety of topics such as language for the medical professions, social workers, law enforcement or tourism.

### Translation I

<table>
<thead>
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<th>Course Code</th>
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<td>TR</td>
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<td>23133</td>
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</table>

Introduction to basic techniques and skills needed for bilingual translation of non-fiction texts. Emphasis will be on the translation into English, and on the stylistic, syntactic, cultural, lexical, and terminological problems. Students are given ample opportunity to apply these techniques through a series of written translation assignments, which form the basis for class discussion.

### CEL SS Intr Generalist Soc

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>SW 1010</td>
<td>3</td>
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<td>LH104</td>
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</table>

A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

### CEL SS Intr Generalist Soc

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

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<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>SW 1010</td>
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<td>1130-1220</td>
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<td>LH204</td>
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A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

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<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>SW 1010</td>
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<td>Bigler, Mark</td>
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A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

### CEL SS Intr Generalist Soc

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<th>Course Code</th>
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<th>Time</th>
<th>Days</th>
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</table>

A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.
21196
SW 1010 3 CEL SS Intr Generalist Soc 0900 - 1015 TR D02320 Moleni, Kristina

Full Semester
A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

21197
SW 1010 3 CEL SS Intr Generalist Soc 1730 - 2010 W D02324 Moleni, Kristina

Full Semester
A generalist introduction to the relationships between social systems (individuals, groups, and communities) and the social welfare networks which impact them, including the role of the social work profession. Open to all Weber State University students.

21204
SW 1010 3 CEL SS Intr Generalist Soc TBA TBA OL Bigler, Mark

Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

20505
SW 2100 3 SS Human Behavior & Soc 1030 - 1145 TR LH342 Segovia-

Full Semester
This is the first course in the Human Behavior and the Social Environment sequence. It identifies the relationships between human developmental stages (from conception to death) and the problems associated with environmental interactions. Systems and theory are examined in the biological, psychological, and sociological arenas.

20506
SW 2100 3 SS Human Behavior & Soc 1730 - 2010 T LH342 Segovia-

Block 2
This is the first course in the Human Behavior and the Social Environment sequence. It identifies the relationships between human developmental stages (from conception to death) and the problems associated with environmental interactions. Systems and theory are examined in the biological, psychological, and sociological arenas.

20507
SW 2100 3 SS Human Behavior & Soc 1730 - 2010 R LH342

Full Semester
This is the first course in the Human Behavior and the Social Environment sequence. It identifies the relationships between human developmental stages (from conception to death) and the problems associated with environmental interactions. Systems and theory are examined in the biological, psychological, and sociological arenas.

21199
SW 2100 3 SS Human Behavior & Soc 1330 - 1610 R D02320 Moleni, Kristina

Full Semester
This is the first course in the Human Behavior and the Social Environment sequence. It identifies the relationships between human developmental stages (from conception to death) and the problems associated with environmental interactions. Systems and theory are examined in the biological, psychological, and sociological arenas.

21206
SW 2100 3 SS Human Behavior & Soc TBA TBA OL Segovia-

Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas

20508
SW 2200 3 CEL SS/DV Issues in 1330 - 1610 T LH342 Moleni, Kristina

Full Semester
A study of diversity among individuals, groups, communities, and of issues social workers will need to understand when interfacing with diverse populations.

21200
SW 2200 3 CEL SS/DV Issues in 1030 - 1145 TR D02320 Moleni, Kristina

Full Semester
A study of diversity among individuals, groups, communities, and of issues social workers will need to understand when interfacing with diverse populations.

SW 2200 3 CEL SS/DV Issues in 1730 - 2010 R D02320 Moleni, Kristina
21202 Full Semester

A study of diversity among individuals, groups, communities, and of issues social workers will need to understand when interfacing with diverse populations.

SW 3000 3 Death and Dying 1200 - 1315 TR LH001 Segovia-
20534 Full Semester

SW 3100 2 Human Behavior & Social 1430 - 1610 T LH214 Bigler, Mark
20509 Full Semester

This second course in the Human Behavior and the Social Environment sequence is designed to present basic principles and fundamental concepts necessary for acquiring and organizing knowledge for practice with individuals, families, groups, organizations, and communities and on the interaction among these systems. Alternative paradigms on human behavior and the social environment are also explored.

SW 3120 3 Aging: Adaptation and 1130 - 1220 MWF LH104
20536 Full Semester

SW 3200 2 Child and Family Welfare 1330 - 1420 MV LH116 Vigil, Steven
20510 Full Semester

A historical and contemporary examination of child and family welfare issues, and social work intervention strategies.

SW 3320 3 Ethnicity & Older Women 0900 - 1015 TR LH112
20538 Full Semester

SW 3500 3 CEL Soc Welfare & Policy 1730 - 2010 M LH204 Bonella, Barrett
20511 Full Semester

The history, mission, philosophy and human service aspects used in the development of social work/gerontology as a profession will be covered. Examples of social, public and social welfare policy will be identified and studied. Knowledge of local, state, and federal legislation, professional organizations, and membership organizations will assist in review of lobby, funding and implementation practices used in meeting human service needs. Methods for the political and organizational analysis of processes and policy will be covered.

SW 3600 3 Social Statistics 1200 - 1315 TR LH201 Kennedy,
20540 Full Semester

SW 3600 3 Social Statistics 1730 - 2010 W LH204 Kennedy,
20542 Block 1

SW 3600 3 Social Statistics 1730 - 2010 M LH202 Kennedy,
20544 Full Semester

SW 3600 3 Social Statistics TBA TBA OL Kennedy,
21207 Full Semester
To access online course material, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

**SW 3700  3**  
**CEL Social Work Research**  
1030 - 1120  
MWF  
LH116  
Bonella, Barrett  
20512  
**Full Semester**

Social work research and its relationship to social work theory and practice. The class will include content on qualitative, quantitative and single system research methodologies; analysis of data, including statistical procedures; systematic evaluation of practice; analysis and evaluation of theoretical bases, research questions, methodologies, statistical procedures, and conclusions of research reports; and relevant technological advances. The course will also identify how the research curriculum contributes to the student's use of scientific knowledge for practice.

**SW 3700  3**  
**CEL Social Work Research**  
1730 - 2010  
W  
LH054  
Kennedy,  
20513  
**Block 2**

Social work research and its relationship to social work theory and practice. The class will include content on qualitative, quantitative and single system research methodologies; analysis of data, including statistical procedures; systematic evaluation of practice; analysis and evaluation of theoretical bases, research questions, methodologies, statistical procedures, and conclusions of research reports; and relevant technological advances. The course will also identify how the research curriculum contributes to the student's use of scientific knowledge for practice.

**SW 3900  3**  
**Social Work Methods, Values**  
1730 - 2010  
W  
LH102  
20514  
**Full Semester**

An ecological system and generalist approach to social work practice methods. Content is germane to various systems and subsystems typically implicated in problems encountered by social workers. A study of values and ethics will assist the social worker to understand the proprieties of professional practice.

**SW 3910  3**  
**Social Work Practice I**  
1430 - 1710  
W  
LH050  
Kennedy,  
20515  
**Full Semester**

An intensive knowledge-based generalist course concentrating on micro social work intervention skills combining lecture and hands-on experiences.

**SW 3920  3**  
**Social Work Practice II**  
1430 - 1710  
M  
LH342  
Segovia-  
20599  
**Full Semester**

A generalist course directed at understanding and demonstrating the principles, concepts and techniques of planned change in mezzo settings including families and small groups.

**SW 3930  3**  
**CEL Social Work Practice III**  
1730 - 2010  
T  
LH204  
Bonella, Barrett  
20517  
**Full Semester**

A generalist course designed to illustrate the principles, concepts and techniques of planned change in macro settings including institutions, organizations, and communities. (Must be taken concurrently with SW 3920.)

**SW 4150  3**  
**DSM-5**  
1730 - 2010  
R  
LH054  
Vigil, Steven  
20518  
**Full Semester**

This elective course is designed to familiarize the student with the Diagnostic Statistical Manual of Mental Disorders (DSM-5 classification). The DSM-5 provides the practitioner with a systematic diagnostic tool for practice and research.

**SW 4220  3**  
**Societal Response to Aging**  
0830 - 0920  
MWF  
LH202  
20546  
**Full Semester**

This elective course explores the process and dynamics of the provision of social work services within the medical service delivery system.
<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
<th>Type</th>
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<tr>
<td>SW 4500</td>
<td>Interventions for Pop at Risk</td>
<td>3</td>
<td>Full Semester</td>
<td>1430 - 1710</td>
<td>T</td>
<td>LH116</td>
<td>Segovia-</td>
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This course assists incoming students in making a successful transition to college. Topics include the purpose of higher education, goal setting, time management, study and test taking skills, critical thinking, stress management, academic advisement, career and major exploration, using campus resources, and understanding student responsibilities.
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This class requires the completion of online career assessments that typically cost between $10-$25 to take.

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Understand the technicalities of the World Wide Web and the Internet. Plan, design, and implement a successful web site using current web technologies. Topics covered include audience analysis, information architecture, wireframing, prototyping, responsive design, usability and accessibility, testing, and analytics.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

This class introduces the JavaScript language, with a focus on advanced language features and client-side web programming. Topics covered include basic syntax, object-oriented programming, higher-order functions, the DOM, and AJAX. The class will also introduce jQuery.

The computer competency exam for this course is a hands-on examination verifying a student's skills at document creation. Practice materials are available on the web for studying the competencies covered on the test. The one-hour exam must be completed during the semester registered. Two repeats of the exam may be taken during the semester with an additional fee charged. The grade for the course is credit/no credit.

The computer competency exam for this course is a hands-on examination verifying a student's skills in content, internet identity, and device management. Practice materials are available on the web for studying the competencies covered on the test. The one-hour exam must be completed during the semester registered. Two repeats of the exam may be taken during the semester with an additional fee charged. The grade for this
The computer competency exam for this course is a hands-on examination verifying a student's skills at data manipulation, visualization, and presentation. Practice materials are available on the web for studying the competencies covered on the test. The one-hour exam must be completed during the semester registered. Two repeats of the exam may be taken during the semester with an additional fee charged. The grade for the course is credit/no credit.
In this course you will learn the fundamentals of a vector drawing program such as Adobe Illustrator. Students become skilled using the Pen Tool and other drawing tools to create vector illustrations. Various techniques are learned for applying color, attributes, styles, and effects to illustrations. Students also create, edit, and format type to add to their illustrations. Projects will focus on web illustrations for banners, landing pages, user interface elements, social media, infographics, and other web content.

**WEB 2300  3** Video Editing  TBA  TBA  OL  Halford, Scott

23742  Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**WEB 2410  3** Web Animation I  TBA  TBA  OL  Bell, Thomas

23743  Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**WEB 2500  3** User Experience Design  TBA  TBA  OL  Lleverino, Sara

24036  Full Semester

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

**WEB 2620  3** Advanced CSS  0930 - 1020  MVF  EH313  Tuck, Garth

20755  Full Semester

A deep knowledge of CSS properties and specifications is essential in client-side web development and design. This course will expand students knowledge of CSS by covering the following CSS properties: media queries, animation & transitions, transforms, grid layouts, flexbox, web fonts, shapes, variables, exclusions, and regions. Browser support, preprocessors, frameworks, and minification will also be discussed. Using these advanced CSS techniques student will design and implement a consistent user experience and the page layout of a web application.

**WEB 2630  4** Client Side Frameworks  0730 - 0920  TR  TE109C  Squadroni, Thomas

20791  Full Semester

This course covers client-side JavaScript frameworks and building Single Page Applications (SPA). It starts with a review of the JavaScript programming language (with emphasis on the Document Object Model (DOM)) and covers various debugging techniques using the browser developer tools. An overview of Asynchronous JavaScript and XML (AJAX) is introduced before diving deeper into a popular client-side JavaScript framework – like Angular, React or VueJS. Regardless of the primary framework chosen, we will explore and compare the other frameworks as time permits.

**WEB 2800 3** Independent  TBA  TBA  MacLeod, Christy

20780  Full Semester

Independent project, student assistant, or research on an individual basis. Prerequisite: Permission of instructor. May be taken twice up to 6 credit hours.

**WEB 2860 3** Work Study  TBA  TBA  MacLeod, Christy

20782  Full Semester

Open to all students who meet the minimum requirements of the department for business-related on-the-job experiences. Approval of instructor and employer is required. Amount of credit will be determined by the department.

**WEB 2890  3** Client-Side Portfolio  TBA  TBA  MacLeod, Christy

20785  Full Semester

In this project-based course students will design a web portfolio that features the work they have completed during the Web and User Experience AAS degree. Students will also create several portfolio pieces related to client-side web development.

**WEB 3090  2** Digital Presentations  TBA  TBA  OL  Keel, Christy

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</table>

The purpose of this research/internship is to provide students with community experiences related to issues of women and gender. Students in this practicum will apply knowledge skills learned throughout their course of study in either the Women and Gender Studies minor or BIS. For this research/internship students will be

Student works in a business/multimedia technologies environment. The student fulfills at least four objectives and a major capstone project that has been approved by a business/organization supervisor and a faculty advisor. Must have Senior standing or approval of instructor.

In this project-based course students will revise and update the web portfolio that was created in the WEB 2890 course. They will add to the portfolio work that they have completed during the Web and User Experience BS degree. Students will also create several portfolio pieces related to server-side web development.

An introduction to the discipline of women's studies using multi-cultural sources based on current feminist scholarship. In this course, we will examine the diversity of women's experiences, perspectives, critiques, and theories across the categories of race, ethnicity, and class.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

Varied topics as described in the semester schedule. Topics will be drawn from issues related to women's studies. May be repeated 3 times up to 9 credits with different course content.

To access online course material, please go to your student portal, log into eWeber, and click on WSU Online-Canvas.

The purpose of this research/internship is to provide students with community experiences related to issues of women and gender. Students in this practicum will apply knowledge skills learned throughout their course of study in either the Women and Gender Studies minor or BIS. For this research/internship students will be
required to check in with their course faculty supervisor weekly during the semester.

<table>
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Directed individual readings in the general area of women's studies. Specific topic selected in consultation with instructor, amount of material to be read determined at discretion of instructor, based on level of topic and degree of difficulty of reading and consistent with any existing university and departmental guidelines.

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Course Title - Intersection of Art and Communication. This course is first block hybrid course, meeting once a week for 3 hours. Remaining course work is to be completed online. The course is team taught by Dr. Packer and Dr. Stott.

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Course Title - Research, Creativity & Exploration Among Disciplines. This course is team taught by Dr. Grijalva & Dr. Ault.

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Course Title - Microbes Rule: Impact Disease on History. This is a hybrid course. Class meets 1 day a week for one-hour. The rest of the course is accessed online through Canvas. This course is team taught by Dr. Sessions and Dr. Oberg.

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A non-major's introduction to the challenges faced by animals as they obtain and use materials, energy, and information from their environment. A central theme will be the diversity of responses resulting from evolutionary processes. The course will also consider mechanisms of inheritance and development. Three lecture/discussion hours a week.

<table>
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A non-major's introduction to the challenges faced by animals as they obtain and use materials, energy, and information from their environment. A central theme will be the diversity of responses resulting from evolutionary processes. The course will also consider mechanisms of inheritance and development. Three lecture/discussion hours a week.

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ZOOL 1010 3 LS Animal Biology TBA TBA OL Mull, John

24168

Full Semester

To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

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Survey course for non-Zoology majors. Course content includes basic structure and function of the human
Survey course for non-Zoology majors. Course content includes basic structure and function of the human body, homeostasis, heredity, human evolution, and ecology. Implications pertaining to personal health, bioethical concerns, environmental issues, and their impact on society will be examined. Three lecture/discussion hours a week.

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Note: CRNs 22558, 22560, & 22562 are the same class. They are replicated to allow for a wait list option due to multiple labs. Choose one to register for.

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Note: CRN's 22627, 22628, & 22630 are the same class. They are replicated to allow for a wait list option due to multiple labs. Choose one to register for.

You must register for a lab that is taught by the same professor as the lecture you are registering for.

Systematic study of the organs of the human body with cadaver-based laboratory. Three hours of lecture and one 2-hour lab per week. ZOOL LS 1020 or HTHS 1101 strongly recommended prior to enrollment. First semester students are discouraged from registering.
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Systematic study of the organs of the human body with cadaver-based laboratory. Three hours of lecture and one 2-hour lab per week. ZOOL LS 1020 or HTHS 1101 strongly recommended prior to enrollment. First semester students are discouraged from registering.

Functional consideration of the human body. Recommended for all curricula for which a basic understanding of body functions is required. Three lecture hours and one 2-hour lab a week.
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Functional consideration of the human body. Recommended for all curricula for which a basic understanding of body functions is required. Three lecture hours and one 2-hour lab a week.

To access online course materials, please go to your studentportal, log into eWeber, and click on WSU Online-Canvas.

Note: This course is a lecture with an incorporated lab. There is no separate lab to register for.

The purpose of this course is to introduce students to human dissection and the teaching of human cadaver anatomy. In so doing, we will (1) provide a uniform laboratory experience for Zoology 2100 (Human Anatomy), (2) teach the students what and how to teach the human anatomy laboratories, (3) provide the students with the opportunity to teach their peers thus providing experience at public speaking, and, (4) reinforce the knowledge base of the students (the power of knowing something by teaching something).

The purpose of this course is to further expose and train students in human cadaver dissection and the teaching of human cadaver anatomy. In so doing, we will (1) provide a uniform laboratory experience for Zoology 2100 (Human Anatomy), (2) teach these advanced students what and how to mentor their junior colleagues in teaching the human anatomy laboratories, (3) provide these advanced students with the opportunity to teach both the 2100 students and other student instructors, thus further improving their public speaking, (4) place these advanced students in a more senior leadership position among their lab instructor peers, and (5) further reinforce the knowledge base of the students (the power of knowing something by teaching something).

Due to the complex and pedagogical nature, this course can be taken up to 4 times. Each semester, the focus of the lecture portion of this course will vary from: histological anatomy, developmental anatomy, evolution and pathological/clinically-relevant anatomy. In addition, the prosection assignments each repeated semester will increase in complexity, difficulty and leadership demand. The student instructor experience is maximized by their ability to repeat this unique course by allowing them to capitalize on and improve their past efforts in both the teaching environment and prosection assignment.

The study of the molecular composition of cells, their evolutionary origins, structural organization, functional
variation, and regulatory control. Three lecture hours and one 3-hour lab a week.

ZOOL 3200  4  Cell Biology  0730 - 0845  TR  TY452  Sandquist,
23240  Full Semester

The study of the molecular composition of cells, their evolutionary origins, structural organization, functional variation, and regulatory control. Three lecture hours and one 3-hour lab a week.

ZOOL 3300  4  Genetics  1130 - 1220  MF  TY452  Berthelemy,
23241  Full Semester

Principles and concepts of genetics with an emphasis on animals, including humans. Includes classical genetics, molecular genetics, cytogenetics, and population genetics. Three lecture hours and one 3-hour lab a week.

ZOOL 3300  4  Genetics  0900 - 1015  TR  TY452  Clark, Jonathan
23242  Full Semester

Principles and concepts of genetics with an emphasis on animals, including humans. Includes classical genetics, molecular genetics, cytogenetics, and population genetics. Three lecture hours and one 3-hour lab a week.

ZOOL 3450  4  Ecology  1030 - 1145  TR  TY433  Cavitt, John
23245  Full Semester

Study of the relationships of organisms and their environment. Three lecture hours and one 3-hour lab or field trip a week. Writing intensive course.

ZOOL 3600  4  Comparative Physiology  1030 - 1120  MF  TY459  Skopec,
23246  Full Semester

A comparative and evolutionary approach to the study of the way animals function in a variety of environments. Three lecture hours and one three-hour lab a week. Prereq: ZOOL SI1110 and SI1120, or approval of instructor.

ZOOL 3720  3  Evolution  0930 - 1020  MF  TY433  Marshall,
23247  Full Semester

The patterns and processes involved in changes in natural populations. Three lecture hours a week.

ZOOL 4120  4  Histology  1130 - 1220  MF  TY433  Meyers, Ron
23248  Full Semester

Microanatomical study of the structure and function of vertebrate tissues and organs, with an emphasis on human systems.

ZOOL 4350  4  Animal Behavior  0830 - 0920  MF  TY433  Mull, John
23249  Full Semester

Principles and concepts of animal behavior emphasizing evolution of behavior, and the role of behavior in adaptations of animals to their environment. Three lecture hours and one 3-hour lab a week.

ZOOL 4570  3  Secondary Schl Sci Teach  1630 - 1920  W  TY209  Johnston,
23347  Full Semester

ZOOL 4650  4  Ichthyology  1230 - 1320  MF  TY433  Hoagstrom,
23250  Full Semester

Classification, ecology and biology of fishes and emphasis on local freshwater forms. Field trips required. Three lecture hours and one 3-hour lab a week.

ZOOL 4660  4  Herpetology  1200 - 1315  TR  TY433  Marshall,
23251  Full Semester
Structure, function and evolutionary relationships of amphibians and reptiles. Three lecture hours and one 3-hour lab a week.

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Instructor approval required before registering. Civitas is a community engaged scholar program that rewards students who have integrated civic engagement into their higher education experience. Students must apply to the program: https://www.w.eber.edu/ccel/civitas.html

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