

Winter 2020

Advising Schedule



Winter quarter classes begin January 2, 2020.

Check our website for current class schedule information: centralia.edu/academics/schedule.aspx

SCHEDULE KEY

- ☞ Class has online component(s)
- ☐ Evening courses
- ☐ Class is offered at Centralia College East in Morton

Class section codes:

- 1 = Class is fully online
- 2 = Class is other
- 3 = Class is hybrid (some class time replaced with on-line activities)
- 4 = Class is web enhanced (some class resources, files or activities are online)
- 5 = Class is flexible (students choose to attend class online, in the classroom or any combination)

Courses with ☞ have online requirements. Enrollment in an online, hybrid, web-enhanced, or flexible class will result in a once per quarter, once per student \$4 fee. Additionally, a \$2 per credit fee will be applied for online courses.

COURSE DISTRIBUTION

Courses approved as satisfying distribution requirements for degree programs are designated with Diversity (D), Humanities (H), Health and Fitness (HF), Communication (C), Natural Science (NS), Social Science (SS), Quantitative Skill (M).

ACCOUNTING

Practical Accounting II

☞ 5079 ACCT 120A4 (3) 8-8:50am MWF WAH 205 Lazo

Accounting theory as applied to bookkeeping systems of small businesses and professional organizations. Focuses on accounting for payroll, merchandise sales and purchases, cash receipts and payments, preparation of the worksheet and annual financial statements. Prerequisite: ACCT 110.

Prin of Accounting I

☐☞ 5087 ACCT& 201RP1 (5) Online Germann

This course emphasizes fundamental principles of double-entry accounting and the preparation of financial statements for sole proprietorships. Prerequisite: MATH 098 or equivalent or instructor permission.

Prin of Accounting II

☞ 5089 ACCT& 202A4 (5) 11-11:50am Daily WAH 113 Thompson

This course emphasizes accounting for partnerships and corporations. Topics include, but are not limited to, accounting for fixed and intangible asset, payroll, stock, bonds, the statement of cash flows, and financial statement analysis. Prerequisite: ACCT& 201.

Prin of Accounting III

☞ 5090 ACCT& 203A4 (5) 10-10:50am Daily WAH 113 Thompson

This course emphasizes accounting for departments and branches, cost accounting in a manufacturing environment cost-volume-profit analysis, budget preparation and analysis, standard costs, segment reporting, differential costs and revenues, and capital budgeting decisions. Prerequisites: ACCT& 201 and 202 or ACCT 200.

Acctg Info Systems

☞ 5080 ACCT 220AP1 (5) Online Mecham

The application of accounting information systems used in the computing environment. It is intended for the public bookkeeper managing transactional disposition of all accounts, developing financial statements, and maintaining external schedules. Prerequisite: ACCT 201 or instructor permission.

Business Entity Tax

☞ 5081 ACCT 240A3 (5) 12-1:20pm MWF WAH 113 Thompson

This course focuses on the determination and disposition of taxation as it applies to business entities, as well as introducing elements of tax planning and research. Prerequisite: ACCT& 203.

Individual Income Taxes

☐☞ 5083 ACCT 260S3 (5) **CANCELED**
☐☞ 5082 ACCT 260RP1 (5) Online Germann

Introductory course in taxation emphasizing the preparation of individual federal income tax returns. Course focuses on history, economics, social aspects, equity, and structure of the federal income tax laws of the United States. Prerequisite: ACCT& 201.

Payroll Accounting

☞ 6167 ACCT 270RP1 (3) Online Germann

Introductory course covering aspects of the Fair Labor Standards Act, the Social Security Act, Federal Income Tax withholding laws, and other laws affecting payroll operations and employment practices. Prerequisite: ACCT& 201

AMERICAN SIGN LANGUAGE

American Sign Language II

☞ 5106 ASL& 122A4 (5) 12-2:20pm TTh WSC 109Depuye-Phillips
☞ 5107 ASL& 122B4 (5) 2:30-4:50pm TTh WSC 109Depuye-Phillips

Enables students to better use and comprehend ASL by building vocabulary, improving skills of signing, reading of signs, and understanding of the deaf community. Prerequisite: ASL& 121 or instructor permission.

ANTHROPOLOGY

Cultural Anthropology (D)(SS)

☞ 5091 ANTH& 206AT4 (5) 9-9:50am Daily WSC 211 Avalos
☞ 5092 ANTH& 206B4 (5) 12-12:50pm Daily WSC 111 Avalos
☐☞ 5093 ANTH& 206RT4 (5) 9-9:50am Daily MOR 110 Avalos
☞ 6121 ANTH& 206CP1 (5) Online Avalos

Explore the whole of the human social and cultural world by means of investigating other people's beliefs and behaviors. Through a cross-cultural perspective we attempt to understand others in order to better learn about ourselves.

ART

Art Appreciation (H)(D)

☞ 5101 ART& 100A4 (5) Online Decker

Examine the nature of visual art, its role in society, and methods of creative expression. Provides an overview of art history, surveys contemporary artists, and introduces studio methods in a variety of media.

Drawing I (H)

☞ 5094 ART 102A4 (5) 1-3:50pm MW WAH 108 Frey

An introduction to the fundamentals of drawing. Emphasis placed on exploration of materials, observational study and technique development. Lectures on historical and contemporary artists provide cultural context for student work. No prior drawing experience necessary. Lab fee \$9.33.

Drawing II

☞ 5095 ART 103A4 (5) 1-3:50pm MW WAH 108 Frey

Intermediate level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102 or instructor permission. Lab fee \$9.33.

Drawing III

☞ 5096 ART 104A4 (5) 1-3:50pm MW WAH 108 Frey
Advanced level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102, 103 or instructor permission. Lab fee \$9.33.

Sculpture

☞ 5098 ART 111A3 (4) 1-3:20pm TTh WAH 116 Frey
An introduction to the fundamentals of three-dimensional design. Assignments include a variety of subject matter and materials. All are welcome. Lab fee \$45.

Color Theory (H)

☞ 6267 ART 112A4 (5) 1-3:50pm MW WAH 116 Solomon/Decker
Understand the use of color in art through hands-on learning. Explore materials and techniques with in-class projects. Recognize color interaction and its effect on the viewer. Learn the art-historical evolution of our understanding of color.

Computer Graphics (H)

☞ 5099 ART 130A3 (5) 11-11:50am Daily WAH 209 Solomon
An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$85.

Digital Photography (H)

☞ 6122 ART 174A3 (5) 12-12:50pm MTW WAH 209 Solomon
12-1:50pm Th WAH 209 Solomon

Introduction to digital photography as an expressive art form. Students will explore the creative and technical requirements of digital imaging, as well as examine the contributions of contemporary fine artists working in this medium. Prerequisite: basic computer experience required. Lab fee \$54.16.

Art History: 15th-17th C (D) (H)

☞ 5100 ART 201A4 (5) 11-11:50am Daily WAH 109 Frey
A survey of the development of art in Pre-Columbian America, Africa and 15th-17th century Europe. The course will explore developments in architecture, sculpture, painting and other art forms.

3D Modeling & Animation

☞ 6128 ART 220A3 (5) 10-10:50am Daily WAH 209 Solomon
An introduction to 3D modeling, sculpting, motion-graphics, materials, rendering and animation. Provides students with knowledge and insights about animation and 3D processes. Prerequisite: ART 130 with 2.0 or higher or instructor permission. Lab fee \$52.

ASTRONOMY**The Solar System & the Universe (NS)**

☞ 5108 ASTR 127N3 (5) 5-6:50pm Th WSC 208 Garcia
+3 hours/week TBA

Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe. Prerequisite: one year HS algebra or MATH 098.

Observational Astronomy (NS)

☞ 5109 ASTR 128N3 (2) 7-8:50pm Th WSC 208 Garcia
+1 hour/week TBA

Introduces the night sky as seen with the naked eye and a telescope. Lectures, labs, and observations provide astronomical concepts and hands on applications of these concepts. Transportation to Onalaska's Observatory is the student's responsibility.

BIOLOGY**General Biology w/Lab (NS)**

☞ 5121 BIOL& 160A4 (5) 8-8:50am MTWTh WSC 111 Jewell
1-2:50pm T WSC 303 Jewell

Surveys the structures and functions of cells and organisms. Explores basic genetic and evolutionary processes. Outlines the characteristics of life, its history, and biodiversity. Lab fee \$18.46.

Human Biology (NS)

☞ 5122 BIOL& 170A4 (5) 10-10:50am Daily WAH 103 Jewell

☞ 6100 BIOL& 170R3 (5) 10-11:20am MWF MOR 101 Jones
+5 hours/week

☞ 6278 BIOL& 170BP1 (5) Online Hutcheon

Presents the structure, organization, and life functions of the human; cells, tissues, and organ systems; development from embryo to adult; aging and disease; human evolution and ecology.

Human Biology Lab

☞ 5117 BIOL 172A4 (1) 1-2:50pm Th WSC 314 Jewell

Investigate the structure and function of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 170. Lab fee \$18.46.

Majors Cell/Molecular (NS)

☞ 5123 BIOL& 222A4 (5) 11-11:50am MTWTh WSC 101 Norton
2-3:50pm Th WSC 303 Norton
☞ 5124 BIOL& 222B4 (5) 11-11:50am MTWTh WSC 101 Norton
4-5:50pm Th WSC 303 Norton

Metabolism and energetics, structure and function of biomolecules and cells, Mendelian and molecular genetics, gene regulation and biotechnology. Second course in a three-quarter series (BIOL& 221, 222 and 223). Prerequisites: HS biology and chemistry or BIOL& 160; CHEM& 121 or CHEM& 161 recommended. Lab fee \$20.96.

Human A & P 1 (NS)

☞ 5125 BIOL& 241N3 (5) 6-6:50pm W WSC 215 Norton
4-5:50pm M WSC 314 Norton
☞ 5126 BIOL& 241NN3 (5) 6-6:50pm W WSC 215 Norton
6-7:50pm M WSC 314 Norton

Investigate interactions between structures and functions essential for human health. Levels include macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nerves, and central nervous systems. First quarter of a two-quarter sequence. Prerequisite: HS biology and chemistry or BIOL& 160 or BIOL& 170 and CHEM& 121. Lab fee \$18.46.

Human A & P 2 (NS)

☞ 5127 BIOL& 242A4 (5) 12-12:50pm MTWTh WSC 121 Norton
2-3:50pm T WSC 314 Norton
☞ 5128 BIOL& 242B4 (5) 12-12:50pm MTWTh WSC 121 Norton
2-3:50pm W WSC 314 Norton
☞ 5129 BIOL& 242C4 (5) 12-12:50pm MTWTh WSC 121 Norton
4-5:50pm T WSC 314 Norton

Investigate the interactions between structure (anatomy) function (physiology) essential for human health. Investigate organization and function of the sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 241 or instructor permission. Lab fee \$18.46.

Research in Biology

5118 BIOL 270A (1-12) ARR ARR ARR Norton
5120 BIOL 270C (1-12) ARR ARR ARR Jewell

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

BOTANY

Survey of Botany (NS)

☎ 5130 BOTA 110A3 (5) 11-11:50am MTWTh WSC 111 Hutcheon
2-3:50 W WSC 307 Hutcheon

Introduction to plants for non-majors, with emphasis on growth, function, and reproduction. Human uses and modifications of plants for food and medicine will be explored. Students will conduct plant growth experiments in the greenhouse. Lab fee \$18.01.

BUSINESS ADMINISTRATION

Intro to Business

☎ 5159 BUS& 101AP1 (5) Online Rath

Introduction to the world of business. Emphasis will include functions of business, management, types of business ownership, human resources, production, marketing, ethics, and the role of accounting.

Business Law

☎ 5160 BUS& 201A3 (5) 8-8:50am Daily WAH 214 Carlson E

Introduction to state and federal constitution, laws and procedures including international trade, crimes, torts, contracts, sales, property, bankruptcy, securities, consumer protection, employment, and debtor-creditor relationships. The relationship between ethics and law will be discussed.

Human Resource Mgmt

☎ 5156 BUS 203AP1 (5) Online Patrao

Introduction to fundamental concepts of human relations management. This course will focus on recruiting, employee selection and training, employee performance and compensation, and employee laws and labor. Prerequisite: BUS& 101, college level reading and writing.

Marketing

☎ 5157 BUS 220A3 (5) 11-11:50am MWF WAH 205 Lazo

A broad overview of the market structure and marketing philosophies currently being used in business. Includes a description, analysis, and evaluation of the marketing system. Each student will conduct a marketing research project.

Money and Banking

☎ 5158 BUS 225A3 (5) 10-10:50am MWF WSC 107 Rath

An introduction to the core principles of money and banking. Topics to be discussed include interest rates, financial instruments, financial markets, financial institutions, central banks, monetary policy, financial stability, and modern monetary economics. Prerequisite: ACCT& 201, 202.

Principles of Management

☎ 6120 BUS 275AP1 (5) Online McClain

Management styles and effective management of personnel from the manager's side of business. The course is built around the four traditional functions of management and exploring management problems and practices. Real-life case problems used. Prerequisite: BUS& 101.

BUSINESS OFFICE TECHNOLOGY

Keyboarding for Business

☎ 5132 BTEC 101A3 (3) 9-9:50am Daily WAH 207 Carlson E

For students without keyboarding skills. Develop speed to 25 wpm by touch. Develop speed, accuracy, and basic word processing techniques for letters, reports, and tables.

Keyboard Skillbuilding I

☎ 5134 BTEC 102A3 (3) 9-9:50am Daily WAH 207 Carlson E

Individualized program for improving keyboarding techniques and increasing speed and accuracy. Upon course completion, students should be able to type at a minimum of 35 wpm with one error per minute. Prerequisite: BTEC 101 and typing speed of 25 wpm or instructor permission.

Business English

☎ 5135 BTEC 110A4 (5) 10-10:50am Daily WAH 205 Lazo

This course is intended to provide a basis for producing office documents. Topics include editing skills including grammar, punctuation, proofreading, and spelling. Business English is a basis for medical documentation, business communications, and office procedures. Prerequisite: ENGL 098 with 2.0 or higher; placement of ENGL 099 or higher.

Cooperative Work Experience

☎ 5136 BTEC 190A4 (1-12) ARR ARR ARR Copeland

This course allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Prerequisite: current or prior enrollment in BTEC 191 or instructor signature.

Work Experience Seminar

☎ 5137 BTEC 191AP1 (1) Online Copeland

Discussion topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Cooperative Work Experience.

Keyboard Skillbuilding II

☎ 5138 BTEC 203A3 (3) 9-9:50am Daily WAH 207 Carlson E

Individualized advanced skillbuilding program for students who have taken BTEC 102. Upon completion of this course, students should be able to type at a minimum of 50 wpm with one error per minute. Prerequisite BTEC 102.

Outlook

☎ 5140 BTEC 205A3 (1) 11-11:50am TTh WAH 205 Lazo

This course covers assorted tasks in Microsoft Outlook. Students will use their college email address to create and send email messages, schedule meetings, maintain calendars, and manage tasks. Prerequisite: IT 117, typing speed of 35 wpm or instructor permission.

Word I

☎ 5141 BTEC 210A3 (5) 9-9:50am Daily WAH 205 Lazo
☐☎ 5142 BTEC 210RP1 (5) Online Cantin

Course covers Microsoft Word in depth: document preparation, formatting, graphics, WordArt, SmartArt, tabs, columns, sorting, mail merge, styles, Quick Parts, headers/footers, references. Students will format documents to business standards. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission.

Access

☎ 5143 BTEC 212A3 (5) 12-12:50pm MTWTh WAH 207 Copeland

An introduction to Microsoft Access. Students will learn basic concepts of database software and be able to integrate Access with Word and Excel. Prerequisite: keyboard speed of 30 wpm, BTEC 210, BTEC 214, or instructor permission. Lab fee \$10.69.

Excel 1

☎ 5144 BTEC 214A3 (5) 12-12:50pm MTWTh WAH 205 Lazo
+1 hour/week TBA

☎ 5145 BTEC 214BP1 (5) Online Lazo
☐☎5146 BTEC 214RP1 (5) Online Cantin

This course is a hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Students will learn formulas, charts, formatting, and management of Excel files. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission.

Desktop Publishing

☐☎5147 BTEC 218RP1 (4) Online Cantin

This course covers terminology, concepts, and tasks related to desktop publishing. Students will plan, create, and design publications for business and personal use. Prerequisite: IT 117, BTEC 210, typing speed of 35 wpm or instructor permission.

Word 2

☐☎5148 BTEC 219RP1 (5) Online Cantin

This course covers advanced Microsoft Word features such as: linked textbooks, outlines, multilevel lists, sections, translator, AutoCorrect, Building Blocks, Quick Parts, macros, bibliographies, citations, footnotes, endnotes, formal reports, table of contents, indexes, and fill-in forms. Prerequisite: BTEC 210.

Ten-Key Calculator

☐ 6242 BTEC 220R (1) 1:30-3:20pm W MOR 110 Cantin

Touch control of the 10-key calculator with emphasis on speed and accuracy. Complete business calculations using the function keys. Business Math recommended first. Lab fee \$7.15.

Business Communications

☎ 5149 BTEC 221A4 (5) 10-10:50am Daily WAH 207 Copeland

Applying principles of effective written and oral business communications. Upon completion, students should be able to produce effective digital media pieces, positive, negative, and persuasive messages, informal reports, and a resume and cover letter. Prerequisite: BTEC 110, ENGL& 101, or WRT 105.

Microsoft Office-PowerPoint Module

☎ 5150 BTEC 222A4 (1) **CANCELED**
☐☎5151 BTEC 222RP1 (1) Online Cantin

Class covers PowerPoint in depth: presentations, formatting, graphics, charts, design, and appropriate visual elements for professional presentations. Prerequisite: IT 117, typing speed of 35 wpm or instructor permission.

Records Management

☎ 5152 BTEC 233A3 (5) 12-12:50pm MTWTh WAH 207 Copeland
+1 hour/week TBA

Principles and procedures of records management and storage. Practice in indexing, coding, and filing for alphabetic, numeric, subject, and geographic systems. Introduction to forms design and Access database usage.

Insurance and Billing

☎ 5153 BTEC 255A3 (5) 1-1:50pm MTWTh WAH 205 Scott
+1 hour/week TBA

Introduction to major insurance program information and federal healthcare legislation. Exploration of health insurance guidelines and the knowledge and skills required for billing. Prerequisite: BTEC 260.

Medical Terminology

☎ 5154 BTEC 260A4 (4) 10-10:50am MTWTh WAH 211 Scott
Development of a medical vocabulary with emphasis on definition and spelling. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning, and understand basic medical terminology.

CHEMICAL DEPENDENCY**CDP Counseling Techniques**

☎ 5163 CDP 111A4 (4) 10-11:50am TTh TAC 338 Bailey

An overview of techniques and theoretical approaches to chemical dependency counseling. Practical training designed to develop interviewing and chemical dependency counseling skills when working with diverse populations within all levels of care. Prerequisite: CDP 100, 2.0 or higher or instructor permission.

Assess & Treatment Plans

☎ 5164 CDP 130A3 (5) 1-2:50pm TTh WSC 211 Rabe

Course introduces students to the current standard used in assessing, diagnosing, and treating those with substance use and co-occurring disorders. Prerequisite: CDP 100, 2.0 or higher.

Treatment in Groups

☎ 5165 CDP 210A4 (4) 10-11:50am MW TAC 338 Rabe

An introduction to group dynamics and group process, as applied to chemical dependency counseling. Topics include group formation, ethical considerations made in group counseling, diversity, group developmental stages, documentation, and group counseling approaches/techniques. Prerequisite: CDP 100 with a 2.0 or higher or instructor permission.

Chem Dependency & Family

☎ 5166 CDP 220A4 (4) 1-2:50pm MW WSC 110 Rabe

An examination of substance use, abuse, and dependency within the family system. Course emphasis is on the integration of Family System and Chemical Dependency approaches when working with chemically dependent families. Prerequisite: CDP 100 with 2.0 or higher.

CHEMISTRY**Chemical Concepts w/Lab (NS)**

☎ 6123 CHEM& 110A4 (5) 11-11:50am MTWTh WSC 121 Sprafka
1-2:50pm Th WSC 308 Sprafka

Survey course of basic chemical principles and the real world applications of chemistry. Meets NS distribution. Not intended for Allied Health or general chemistry prep. Will be offered with various themes. Prerequisite: MATH 096. **Lab fee \$27.69.**

Introduction to Chemistry (NS)

☎ 5205 CHEM& 121A4 (5) 9-9:50am MTWTh WSC 121 Sprafka
1-2:50pm W WSC 308 Sprafka
☎ 5206 CHEM& 121B4 (5) 9-9:50am MTWTh WSC 121 Sprafka
3-4:50pm W WSC 308 Sprafka

Survey of chemistry with applications in everyday life: atoms, bonds, reactions, and calculations. Prerequisite: one year HS algebra or MATH 098. Lab fee \$27.69.

Problem Solving in Chem

☎ 5202 CHEM 159A3 (1) 10-10:50am F WSC 111 Sprafka

This course is designed to provide instruction and practice in quantitative problem solving, critical thinking, and the mathematics and study skills that are required to be successful in CHEM& 161. Corequisite: CHEM& 161.

General Chem w/lab I (NS)

☞ 5208 CHEM& 161A4 (6) 10-10:50am MTWTh WSC 109 Sprafka
1-4:50pm T WSC 308 Sprafka

First of a three-quarter sequence for science and engineering majors. Includes matter, measurements, equations, stoichiometry, solution chemistry, gasses, thermochemistry, quantum theory, and electronic structure. Problem solving and critical thinking are stressed. Includes lab. Prerequisite: CHEM& 121 (minimum 2.0) and MATH 099 or equivalent, or instructor permission. Lab fee \$27.46.

General Chemistry w/lab II (NS)

☞ 5209 CHEM& 162A4 (6) 10-10:50am MTWTh WSC 121 Goodwin
1-4:50pm W WSC 302 Goodwin
☞ 5210 CHEM& 162B4 (6) 10-10:50am MTWTh WSC 121 Goodwin
1-4:50pm Th WSC 302 Goodwin

Second of a three-quarter sequence. Includes periodic trends, chemical bonding and structure, valence bond/molecular orbital theory, intermolecular forces, liquids and solids, solutions, and kinetics. Lab emphasizes data analysis and interpretation. Prerequisite: CHEM& 161 with a 2.0 or better or instructor permission. Lab fee \$27.69.

Organic Chemistry w/lab II (NS)

☞ 5211 CHEM& 262A4 (6) 12-12:50pm MTWTh WSC 107 Goodwin
1-4:50pm T WSC 302 Goodwin

Second course in the sequence. Topics covered include structure, nomenclature, reactions and properties of alkenes, alkynes, alcohols, ethers, and conjugated and aromatic systems. Spectroscopy topics include IR, NMR, and MS analysis, including structure elucidation. Prerequisite: CHEM& 261 with 2.0 or greater or instructor permission. Lab fee \$26.88.

Research in Chemistry

5203 CHEM 270A (1-12) ARR ARR ARR Sprafka
5204 CHEM 270B (1-12) ARR ARR ARR Goodwin

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission. Lab fee \$13.85.

CHINESE**Chinese I (D) (H)**

☞ 5212 CHIN& 121A4 (5) 12-12:50pm Daily WSC 208 Wynder

Learn the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

Chinese II (H)

☞ 5213 CHIN& 122A4 (5) 11-11:50am Daily WSC 208 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 121 or instructor permission.

Chinese V (H)

☞ 5214 CHIN& 222A4 (5) 1-1:50pm Daily WSC 205 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 221 or instructor permission.

COMMERCIAL DRIVING**Commercial Truck Driving**

6111 CDL 100A (12) ARR Daily TEC 133 Ketzler

This course is designed to prepare students to take the State of Washington tests necessary to obtain a Commercial Driver License for the professional truck driving industry. Prerequisites: 18 years of age or older; pass Federal Department of Transportation health and drug screening; have a valid Washington State driver license; no DUI, hit and run, reckless, or negligent infractions within the past five years; have no more than three moving violations in the past three years. Lab fee \$3,100.

COMMUNICATION STUDIES**Racism, Sexism and the Media (D)(H)**

☞ 5229 CMST 104A4 (3) 12-12:50pm MWF WAH 115 Fisher

Examine issues of race and gender in the media from both an historical and a current perspective.

Intro to Mass Media (H)

☞ 5230 CMST& 102A4 (5) 11-11:50am Daily WAH 103 Fisher
☞ 5231 CMST& 102BP1 (5) Online McQuarrie

A survey of the mass media in America: newspapers, magazines, books, recorded music, radio, television, motion pictures, the World Wide Web: with emphasis on structure, function, audience, content, effect and social responsibility.

Social Media Comm. (H)

☞ 6260 CMST 110A3 (5) 1-2:50pm M WSC 101 Majors
+3 hours/week TBA

Students will explore the field of social media communications, how social media has affected the way we communicate, and how to use platforms and strategies for professional use.

Public Speaking (H)

☞ 5232 CMST& 220A4 (5) 8-8:50am Daily TAC 340 McQuarrie
☞ 5233 CMST& 220B4 (5) 9-9:50am Daily TAC 340 McQuarrie
☞ 5234 CMST& 220C4 (5) CANCELED
☞ 5235 CMST& 220D4 (5) 12-12:50pm Daily TAC 340 McQuarrie
☞ 5236 CMST& 220E4 (5) CANCELED
☞ 6261 CMST& 220G3 (5) 1-2:50pm T WSC 110 Majors
+3 hours/week TBA

☞ 5237 CMST& 220FP1 (5) Online McQuarrie

Apply methods for managing speech anxiety, holding attention and making points in a variety of public speaking situations, including techniques for being credible and ethical. Communication theories and interpersonal skills also studied.

COMMUNICATIONS**Dragon NaturallySpeaking**

☞ 5238 COMM 100AP1 (2) Online Hoel

Designed to assist students in the development of computer and English composition skills while using Dragon NaturallySpeaking (voice recognition) and text to speech software.

COMPUTER AIDED DRAFTING**CAD for Electronics**

☞ 5161 CAD 110A3 (3) 12-1:50pm TTh WAH 216 Hitch
+1.5 hours/week TBA

Introduces students to the art and science of drafting and creating electrical schematics from a Computer Aided Drafting perspective in the AutoCAD environment. Knowledge of component identification is required. Prerequisite: ERA 101. Lab fee \$15.

CAD for Industry

☎ 5162 CAD 115A3 (3) 9-10:50am TTh WAH 216 Hitch
+1.5 hours/week TBA

AutoCAD drawings, editing, dimensioning, drawing aids, layer control designed to develop basic computer-aided drafting skills that may be used in industry. Emphasis on creating basic drawings, blocks and plotting. Basic computer skills required.

COOPERATIVE WORK EXPERIENCE**Cooperative Work Experience**

☐ 5239 COOP 190RE (1-12) ARR ARR MOR Kiehn

Cooperative Work Experience allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. The Cooperative Education Faculty Coordinator, the student employee, and the work site supervisor identify the learning objectives. 30-360 hours on-the-job per quarter. Instructor permission is required. Corequisite: Enrollment in a Work Experience Seminar is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course.

CRIMINAL JUSTICE**Intro Criminal Justice**

☎ 6129 CJ& 101AP1 (5) Online Belden

Examines local, state and federal law enforcement agencies and the judicial and correctional systems. Career opportunities and qualifying requirements are studied.

Intro to Law Enforcement

☎ 5221 CJ 104A3 (5) 10-10:50am MTWTh WAH 105 Gilbertson
+1 hour/week TBA

A broad survey of the theories, procedures and methods of police operations studied. Also examines police discretionary powers, career opportunities, and trends in law enforcement. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.86.

Criminal Procedures

☎ 5223 CJ 107A3 (5) 11-11:50am MTWTh WAH 105 Gilbertson
+1 hour/week TBA

☎ 6124 CJ 107BP1 (5) Online Belden

Examines state and federal laws of arrest, search and seizure, civil and criminal liability. The rules of evidence and courtroom proceedings are studied. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.86.

Community Policing

☎ 5224 CJ 109AP1 (5) Online Belden

Focus on resolving community issues and concerns via Community Oriented Policing and Problem Solving (COPPS) skills and strategies. Pre/corequisite: CJ& 101 or instructor permission.

Criminal Justice Ethics

☎ 5225 CJ 111AP1 (5) Online Belden

Presents an in-depth examination and analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system. Pre/corequisite: CJ& 101 or instructor permission.

Intro to Victimology

☎ 5226 CJ 129A3 (5) 12-1:50pm MW WAH 109 Gilbertson
+1 hour/week TBA

Introductory course examines violent crime and victimology in American society. Factors leading to acquaintance and stranger violence, proactive and reactive strategies to crime, legal issues and self-defense measures studied and discussed. Lab fee \$13.99.

Criminal Interviews & Interrogations

☎ 5227 CJ 224A3 (5) 12-1:50pm TTh WAH 105 Gilbertson
+1 hour/week TBA

Basic and intermediate skills required for criminal and forensic interviews and interrogations. Study, practice, role-play, and evaluate the techniques used to elicit factual information from victims, witnesses and suspects in the course of criminal investigations. Lab fee \$14.44.

DIESEL EQUIPMENT TECHNOLOGY**Forklift Certification**

6110 DET 102A (1) 8am-5pm Sa TEC 133 Fay
5242 DET 102B (1) 8am-5pm Sa TEC 133 Fay

A comprehensive classroom training with practical, and hands-on instruction on forklift operation and safety. Course covers state and federal regulations. For successful completion student must be 18 and pass both practical and hands on exams. Lab fee \$40.

Mobile Electrical Systems I

☎ 5243 DET 110A3 (7) 7-7:50am MTWTh TEC 133 Lipp
8am-12:50pm MTWTh TEC 135 Lipp

The exploration and application of fundamental principles of direct current electrical systems found on mobile equipment. Prerequisite: DET 100 or instructor permission; corequisite DET 130. Lab fee \$85.69. **Class meets 1/2 - 2/4.**

Mobile Hydraulic Systems

☎ 5244 DET 130A3 (7) 7-7:50am MTWTh TEC 133 Conrad
8am-12:50pm MTWTh TEC 135 Conrad

Students will be introduced to terminology, physical properties, and principles relating to mobile hydraulic equipment. Students will engage in practical exercises that will aid in the understanding of basic hydraulic systems. Prerequisite: DET 100 or instructor permission; corequisite: DET 110. Lab fee \$68.01. **Class meets 2/5 - 3/16.**

Power Transmission II

☎ 5245 DET 210A3 (7) 7-7:50am MTWTh TEC 159 Dunn
8am-12:50pm MTWTh TEC 154 Dunn

The study of power shift and automatic transmissions as used in diesel powered equipment. Prerequisite: DET 125. Lab fee \$85.69. **Class meets 2/5 - 3/16.**

Heavy-Duty Chassis Systems

☎ 5246 DET 225A3 (7) 7-7:50am MTWTh TEC 159 Dunn
8am-12:50pm MTWTh TEC 154 Dunn

The study and application of heavy duty chassis systems used in diesel powered equipment. Prerequisite: completion of 1st year diesel classes. Lab fee \$68.01. **Class meets 1/2 - 2/4.**

DRAMA**Intro to Theatre (H)**

☎☎6201 DRMA& 101R3 (5) 10am-12:20pm TTh MOR 108 Hartman

Overview of theatre as an art form with emphasis on the play in production and the roles of various theatre artists. Students are expected to attend two plays during the quarter at their own expense.

Intermediate Acting (H)

☎ 5251 DRMA 108A4 (5) **CANCELED**

Continuation of acting fundamentals with an emphasis on improvisational techniques and exercises, and advanced monologue and scene work. Students will be expected to attend two plays during the quarter at their own expense. Prerequisite: DRMA 107 or instructor permission.

Dramatic Performance (H)

☎ 5252 DRMA 115A4 (5) ARR ARR ARR Kreilkamp

For students involved in the creative/performance aspects of a play production, from audition through research/preparation for their portrayal and evaluation of their performance. The student must successfully audition and be cast in a college production. Prerequisite: audition selection for quarterly play production.

Introduction to Playwriting (H)

☎ 5253 DRMA 120A4 (5) 10-10:50am Daily WAH 214 Kreilkamp

Study the art and craft of writing for the stage. Students will be required to complete and oversee the production of a short play. Final performances of student works will be presented to the public.

ECONOMICS**Microeconomics (SS)**

☎ 5265 ECON& 201A4 (5) 9-9:50am Daily WSC 101 Rodriguez L

Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition.

Macroeconomics (SS)

☎ 5269 ECON& 202A4 (5) 11-11:50am Daily WSC 208 Rodriguez L

Macroeconomics is the study of how any system allocates limited resources to meet unlimited wants. Major concerns of macroeconomic policy are: inflation, full employment, national income accounting, fiscal policy, the money supply and trade.

EDUCATION**Child Development**

☎ 5279 EDUC& 115A4 (5) 1-3:30pm T WSC 108 Spain

1-3:30pm T WSC 108 Kirkpatrick

+2.5 hours/week TBA

☎ 6314 EDUC& 115N4 (5) 5-7:30pm Th WSC 108 Spain

Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. Prerequisite: co-enrollment or previous enrollment in an ECE/EDUC course.

Guiding Behavior

☎ 5281 EDUC& 130AS1 (3) Online Price

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions while providing positive individual guidance and enhancing group experiences. **Class meets 1/2-3/11.**

School Age Care

☎ 5282 EDUC& 136AW1 (3) Online Staff

Gain skills to provide developmentally appropriate and culturally relevant activities and care for school-age children. Focus is on preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach. **Class meets 1/2-3/11.**

Exceptional Child

☎ 5283 EDUC& 203A4 (3) CANCELED

Explains the role of Special Education in education systems. Provides techniques to work with the exceptional child in the classroom. Topics include exceptionality in all areas of development, diagnosis, communication, and working with family structures.

Exceptional Child (formerly EDUC& 203)

☎ 6246 EDUC& 204A4 (5) Online Spain

Introductory course in recognition and identification of exceptionality in children from birth through high school (age 21).

Intro to Ed w/Field Exp

☎ 5284 EDUC& 205AP1 (5) Online Spain

An overview of education in America including history, purpose, philosophies, characteristics, social aspects and current issues. Exploration of teaching as a profession in the K-12 system. This course includes 30 hours in K-12 classrooms, and requires a background check, TB test and proof of MMR. Lab fee \$18.19.

EDUCATION-EARLY CHILDHOOD**Child Care Basics**

6313 ECED& 100A3 (3) 8:30am-4:10pm MTWTh MSG 106 Spain

Designed to meet licensing requirements for early learning providers, STARS 30 hour basic course recognized in MERIT system. Topics: child development, cultural competency, community resources, guidance, health/safety/nutrition and professional practice. **Class meets 12/9 - 12/12.**

Intro Early Child Ed

☎ 5256 ECED& 105A1 (5) Online Spain

Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals and programs in action. This course includes 30 hours of field experience, and requires a background check, TB test and proof of MMR. Lab fee \$25.

Practicum-Nurturing Rel

☎ 5257 ECED& 120N3 (2) 5-5:50pm T WSC 109 Chapman

+3 hours/week TBA

Students gain experience engaging in nurturing relationships with children, keeping children safe and promoting children's growth and development. This course includes 30 hours of field experience, and requires a background check, TB test and proof of MMR. Lab fee \$12.

Infants/Toddlers Care

☎ 5258 ECED& 132AW1 (3) Online Staff

Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care. **Class meets 1/2-3/11.**

Family Child Care

☎ 5259 ECED& 134AW1 (3) Online Staff

Learn the basics of home/family child care program management. Topics include licensing requirements; business management, relationship building, health, safety, and nutrition, guiding behavior and promoting growth and development. **Class meets 1/2-3/11.**

Admin Early Lrng Prog

☎ 5260 ECED& 139AW1 (3) Online Staff

Establish administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available that meet Washington State licensing and NAEYC standards. **Class meets 1/2-3/11.**

Environments-Young Child

☎ 5261 ECED& 170A4 (3) 4-6:30pm W WSC 213 Kirkpatrick

4-6:30pm W WSC 213 Keahey, De

This class focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children. Lab fee \$20.

Observation/Assessment

☞ 5263 ECED& 190A4 (3) 1-3:30pm W WSC 213 Kirkpatrick
1-3:30pm W WSC 213 Keahey, De

Collection and documentation of observation and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions and communicating findings.

ELECTRONICS/ROBOTICS & AUTOMATION**Robotic Controllers**

5345 ERA 230A (4) 11-11:50am Daily TAC 331 Kelley

Introduction to robotic control systems and input/output processing. Platforms studied will include microcontrollers, computer numerically controlled (CNC) machines, various types of motor drive controllers and integration of input devices and sensors into algorithms to drive outputs. Prerequisite: TMATH 122 or equivalent. Lab fee \$25.

Amplifiers

5346 ERA 240A (5) 12-12:50pm Daily TAC 331 Kelley
+2 hours/week TBA

Amplifier applications in audio and industrial settings. Topics will include small and large signal voltage and current amplifiers, analog and solid state configurations and applications to audio, sensing and measurement, and digital comparison circuits. Prerequisite: ERA 170. Lab fee \$30.

AC/DC Electronics

5466 MEC 116A (4) 8-8:50am Daily TAC 331 Kelley

Basic analysis and troubleshooting of Direct and Alternating current circuits including Ohm's Law, Watt's Law, and Kirchoff's Laws; devices such as resistors, capacitors, and transformers are studied. Prerequisite: MATH 098 or equivalent. Lab fee \$67.

Preventative Maintenance

6112 MEC 155A (3) 1-1:50pm MTWTh ARR Lucas

Basic preventive and predictive maintenance procedures. Topics include general facility upkeep, safety monitoring and risk management, teardown and inspection techniques, and technologies used in PM procedures. Prerequisite: MEC 151. Lab fee \$50.25.

ENERGY TECHNOLOGY**Power Generation**

5562 PPO 102A (5) 1-3:20pm M TAC 338 Crawford
+2.5 hours/week TBA

Focus will be on environmental issues surrounding power plants. Introduction to boilers including design and ancillary equipment. Prerequisite: PPO 100.

BluePrint Reading

5563 PPO 120A (5) 1-3:20pm W TAC 338 Crawford
+2.5 hours/week TBA

An in-depth study of construction blueprints for residential, commercial, and industrial facilities emphasizing interpretation as it applies to the energy and HVAC industries, and electrical distribution systems.

Power Plant Prime Movers

5564 PPO 202A (5) 1-3:20pm T TAC 338 Steidel
ARR Th ARR Steidel
+3.5 hours/week TBA

Provides a basic background in Prime Movers, focusing on construction, operation, and maintenance of steam turbine, gas turbine, diesel engine, and pump operation and maintenance. Prerequisite: PPO 201.

ENGINEERING**Applied Numerical Methods**

☞ 5339 ENGR 203A4 (5) 9-9:50am MTWTh WSC 103 Threapleton
12-1:50pm F WSC 103 Threapleton

Numerical solutions to engineering and science problems using modern scientific computing tools. Application of mathematical judgment in selecting computational algorithms and communicating results. Introduction to MATLAB programming for numerical computation. Prerequisite: MATH& 152 (MATH 118 recommended) or instructor permission.

Dynamics

☞ 5341 ENGR& 215A4 (5) 10-10:50am Daily WSC 108 Threapleton

Second of a three-course sequence includes the study of kinematics and kinetics of a particle, work-energy, impulse-momentum, relative motion, and rigid-body mechanics. Vector methods will be stressed throughout. Prerequisite: MATH& 152.

Research in Engineering

5340 ENGR 270A (12) ARR ARR ARR Threapleton

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

ENGLISH**Spelling**

5304 ENGL 094N (1-5) 5-7:20pm TTh WSC 101 Shriver

Topics covered in this course include basic spelling patterns, commonly confused words, apostrophe use, capitalization, plural formation, and how pronunciation helps to improve spelling. Students utilize materials according to pretesting information.

Vocabulary Development I

5305 ENGL 095A (1-5) 12-12:50pm Daily WAH 103 Shriver
5306 ENGL 095N (1-5) 5-7:20pm TTh WSC 101 Shriver

Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

Vocabulary Development II

5307 ENGL 096N (1-5) 5-7:20pm MW WSC 101 Shriver

Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

Vocabulary Development III

5308 ENGL 097N (1-5) 5-7:20pm MW WSC 101 Shriver

Course provides a systematic study of college level academic words and their roots, prefixes, and suffixes to increase proficiency in oral and written communication.

Writing & Grammar Review

5309 ENGL 098A (1-5)	10-10:50am	Daily	WAH 109	Shriver
5310 ENGL 098N (1-5)	5-7:20pm	TTh	WSC 101	Shriver
5311 ENGL 098R (1-5)	1-3:20pm	MW	MOR 101	Nellis

Study proper word usage, sentence structure, and punctuation. Writing includes personal essays and summaries. Emphasis is on improving grammar and writing skills for personal needs and preparation for technical coursework. Prerequisite: students must meet mandatory placement requirements to enroll.

Fundamentals of English

5313 ENGL 099B4 (1-5)	11-11:50am	Daily	WSC 210	Burr
5314 ENGL 099C (1-5)	12-12:50pm	Daily	WAH 103	Shriver
5315 ENGL 099N (1-5)	5-7:20pm	TTh	WSC 101	Shriver

This is a bucket class.

5316 ENGL 099R (1-5) 1-3:20pm MW MOR 101 Nellis
Prepares students for college composition. Students analyze texts, review sentence structure and punctuation, and write several short essays and other writing. Students must meet mandatory placement requirements to enroll.

English Composition I (C)

5319 ENGL& 101A3 (5)	9-9:50am	Daily	WAH 113	Williams A
5320 ENGL& 101B3 (5)	9-9:50am	MTWTh	WSC 215	Knott
5321 ENGL& 101C3 (5)	10-10:50am	MTWTh	WSC 208	Waliezer
5322 ENGL& 101D3 (5)	11-11:50am	MTThF	WSC 213	Erickson
5323 ENGL& 101E3 (5)	11-11:50am	MTWTh	TAC 340	Young
5324 ENGL& 101F3 (5)	12-12:50pm	MTThF	WSC 110	Erickson
5325 ENGL& 101G3 (5)	1-1:50pm	MTWTh	TAC 340	Young
5326 ENGL& 101JP1 (5)	Online			Davidson
5327 ENGL& 101KP1 (5)	Online			Williams M

An expository writing course encouraging students to think and write clarity and conciseness; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Students must meet mandatory placements to enroll. Prerequisite: placement into ENGL& 101 or 5 credits of ENGL 099 or WRT 105 with 2.0+ or BTEC 221. Students enrolling in 5323 ENGL& 101E3 will be auto enrolled in 6126 ENGL& 111A3 Intro to Literature.

Composition II (C)

5329 ENGL& 102A3 (5)	8-8:50am	Daily	WSC 208	Williams A
5330 ENGL& 102B3 (5)	9-9:50am	Daily	WSC 208	Erickson
5331 ENGL& 102C3 (5)	10-10:50am	Daily	WSC 206	Weil
5332 ENGL& 102D3 (5)	11-11:50am	Daily	WSC 110	Waliezer
5333 ENGL& 102E3 (5)	12-12:50pm	Daily	WSC 206	Waliezer
5334 ENGL& 102F3 (5)	1-1:50pm	Daily	WSC 206	Knott
5337 ENGL& 102N3 (5)	5-6:50pm	M	WSC 111	Williams A
5335 ENGL& 102GP1 (5)	Online			Davidson
5336 ENGL& 102HP1 (5)	Online			Davidson

A course in argumentative and persuasive writing, methods of research, development and preparation of original source-based papers and projects. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

Practicum for Engl& 102

6125 ENGL 104A3 (2) 12-12:50pm TTh TAC 332 Weil
English 104 is a practicum providing English 102 students with guided practice in key course skills in a computer laboratory setting.

Intro to Literature (H)

6126 ENGL& 111A3 (5) 10-10:50am MTWTh TAC 340 Young
+1 hour/week TBA

Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors. Students enrolling in this class will be auto enrolled in 5323 ENGL& 101E3.

Intro to Dramatic Lit (H)

6245 ENGL& 114A3 (5) 9-9:50am Daily TAC 338 Kreilkamp
Survey of dramatic literature from classical Greek to modern plays, emphasizing basic elements of plot, character, language, and the traditional genres of tragedy and comedy. Students will attend two plays at their own expense.

Intro to Creative Writing (H)

5317 ENGL 208AP1 (5) Online Foss
Writers will move beyond the traditional "academic essay" into an exploration of literary genres to include poetry, creative nonfiction, short fiction, and drama. Prerequisite: college-level writing; test into ENGL& 101.

Technical Writing (C)

5338 ENGL& 235A3 (5) 12-12:50pm Daily WSC 211 Knott
An alternative to ENGL& 102 for science and engineering majors, focused on writing with clarity, objectivity, audience awareness, proper formats as well as research techniques, problem-solving, critical thinking and development of source-based writing. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

Non-Western World Literature (H)(D)

5318 ENGL 260A3 (5) 11-11:50am Daily WSC 206 Weil
Literature of the non-western world, ancient times to the present: Middle East, India, Africa, China, Japan, Americas focusing on how literature expresses these cultures' spiritual traditions, political values, gender issues, environmental beliefs. Prerequisite: ENGL& 101 with 2.0 or better or instructor permission.

Writing in the Workplace

5605 WRT 105AP1 (5) Online Foss
Study a variety of workplace communications, along with proper use of grammar, sentence structure, mechanics and vocabulary within those communications. Prerequisite: 5 credits of ENGL 098 with 2.0+ or placement into ENGL 099/WRT 105.

ENVIRONMENTAL SCIENCE

Survey of Env Science (NS)

5343 ENV& 100A3 (5) 9-9:50am MTWTh WSC 109 Hutcheon
+1 hour/week TBA
5344 ENV& 100BP1 (5) Online Hutcheon

An interdisciplinary course for both non-science Majors and beginning science students. Topics include biodiversity, climate, pollution, energy, and food. Students cannot receive credit for both ENV& 100 and ENV& 101.

Natural Resources Mgmt (NS)

5342 ENV& 170A3 (5) CANCELED

What are Pacific Northwest forests, fishes and wildlife? Learn some common species, historical human uses, what policies drive their management, how to conserve them for future use, and how to plan for a career in the field.

GEOLOGY

Historical Geology w/Lab (NS)

☞ 5350	GEOL& 103A4	(5)	10-10:50am 1-2:50pm	MTWTh Th	WSC 105 WSC 105	Harris Harris
☞ 5351	GEOL& 103B4	(5)	10-10:50am 3-4:50pm	MTWTh Th	WSC 105 WSC 105	Harris Harris

Evolution of Earth and life as interpreted through the fossil and rock record. Includes fossils, relative and numerical-age dating, stratigraphic principles, global change, and the geologic history of the North American continent. Includes lab. Lab fee \$28.36.

Survey of Earth Sciences (NS)

☞ 6263	GEOL 106A4	(5)	9-9:50am 1-2:50pm	MTWTh W	WSC 105 WSC 105	Harris Harris
☞ 6264	GEOL 106B4	(5)	9-9:50am 3-4:50pm	MTWTh W	WSC 105 WSC 105	Harris Harris

Study of Earth as a diverse system of interconnected processes. Explores topics in: geology, oceanography, atmospheric science, and astronomy with an emphasis on the interactions between humans and Earth. Includes lab. Lab fee \$10.

Natural Hazards and Catastrophes (NS)

☞ 5347	GEOL 108A4	(5)	11-11:50am 1-2:50pm	MTWTh T	WSC 105 WSC 105	Harris Harris
☞ 5348	GEOL 108B4	(5)	11-11:50am 3-4:50pm	MTWTh T	WSC 105 WSC 105	Harris Harris

An examination of earth materials and processes through the study of earthquakes, volcanoes, landslides, floods, tsunamis, hurricanes, tornadoes, wildfires, and meteorite impacts. Examination of causes and effects on human populations and the environment; preparedness, prediction and forecasting; mitigation of risks, and case studies. Lab fee \$28.36.

Research in Geology

5349	GEOL 270A	(1-12)	ARR	ARR	ARR	Harris
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

HEALTH

Health & Wellness (HF)

☞ 5364	HLTH 130A4	(3)	9-9:50am	MWF	MSG 106	Johnson
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An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10.

Healthy Weight Control (HF)

☞ 5366	HLTH 135A4	(2)	CANCELED			
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An introduction to healthy eating that focuses on a balance of foods, including a variety of lifestyle change strategies that will enhance the maintenance of a healthy weight. Lab fee \$3.10.

Exercise & Nutrition (HF)

☞ 5367	HLTH 140AP1	(3)	Online			Johnson
☞ 5368	HLTH 140AP1	(3)	Online			Johnson

The two core components of a healthy lifestyle--a healthy diet and a safe exercise program--will be explored and developed. Students will be expected to exercise on their own.

Stress Management (HF)

☞ 5371	HLTH 143A3	(2)	11-11:50am	MW	MSG 106	Johnson
☞ 5372	HLTH 143BP1	(2)	Online			Johnson
☞ 5373	HLTH 143CP1	(2)	Online			Johnson

Understand how stress can impact quality of life. Learn methods for identifying stressors and strategies to effectively manage them. Construct a personalized stress management program.

Safety and Fitness (HF)

☞ 5375	HLTH 145BP1	(3)	Online			McMullan
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The course emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes the American Heart Association Heartsaver First Aid/CPR and AED certification. Lab fee \$47.49. **On campus lab is required. Students must attend one of the in-person training days scheduled March 9, 12:30-5pm OR March 11, 3-7:30pm in MSG 106.**

Community First Aid and CPR

5376	HLTH 154A	(1)	CANCELED			
5377	HLTH 154B	(1)	8:30am-4pm	Sa	MSG 106	Layton
5378	HLTH 154C	(1)	8:30am-4pm	Sa	MSG 106	Layton
5379	HLTH 154D	(1)	CANCELED			
5380	HLTH 154E	(1)	CANCELED			

Basic First Aid/CPR/AED class covering critical skills needed to respond to and manage first aid, choking or sudden cardiac arrest emergencies in the first few minutes until emergency medical services (EMS) arrives. Lab fee \$44.23. Section B meets 1/4/20; section C meets 2/15/20;

HISTORY

Western Civilization II (SS)

5355	HIST& 117A	(5)	10-10:50am	Daily	WSC 204	Peterson
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Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions.

US History II (SS)

5356	HIST& 147A	(5)	12-12:50pm	Daily	WSC 204	Peterson
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Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

US History III (SS)

☞ 5357	HIST& 148AP1	(5)	Online			Mayfield
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Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

Pacific NW History (SS)

☞ 5358	HIST& 214AP1	(5)	Online			Mayfield
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Study of the early exploration and settlement of the Pacific Northwest. Emphasis will be on the economic, political and social developments. The course is designed to meet state certification requirements for teachers.

HUMAN RELATIONS

Human Relations-Workplace

☞ 5352	H R 110A3	(5)	10-10:50am	MWF	WAH 115	McClain
☞ 5353	H R 110B4	(5)	11-11:50am	Daily	WAH 115	Sampson
☞ 6119	H R 110C4	(5)	1-1:50pm	MTWTh	WAH 115	King
☞ 5354	H R 110DP1	(5)	Online			McClain
☞ 6310	H R 110EP1	(5)	Online			Sampson

Study of behavior, personality, self-management, self-development, and elementary business psychology in the workplace. Focus on understanding and demonstrating skills imperative to workplace success including communications, personal attitude, motivation, and workplace etiquette.

HUMANITIES

Humanities II (H)

☎ 5392 HUM& 117A4 (5) 9-9:50am Daily WAH 109 Mitchler
A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1300 C.E. to 1800 C.E.

Survey of Film Studies (H)

☎ 5388 HUM 270A4 (5) 1-3:20pm TTh WAH 109 Mitchler
An examination of the social, historical, technical, and artistic aspects of film through viewing, study and discussion of notable motion pictures.

Lyceum II

5389 HUM 282A (1) 1-1:50pm W WAH 103 Bannish
The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

INFORMATION TECHNOLOGY

Computer Science I C++

☎ 6115 CS& 131A3 (5) Online Keane
Intended as an introduction to programming. Emphasis is on the features of the "C" programming language with an introduction to C++ object oriented programming and good programming style. Lab fee \$31.88.

Computer Science I Java

☎ 6116 CS& 141A3 (5) 9-9:50am MTWTh WAH 211 Keane
A study of rapid application development (RAD) JAVA. Development of GUIs using Swing Technology. Object Oriented Programming as it is implemented in JAVA. Introduction to graphics, animation, and multi-threading. Prerequisite: MATH 099 or equivalent. Lab fee \$25.10.

Intro to Windows OS

☎ 5393 IT 117A3 (3) 8-8:50am MWF WAH 212 Coleman
An introduction to Windows Operating System. Course will cover such things as the taskbar, Start menu, recycle bin, windows views, Window Explorer, storage devices, printing, saving, control panels, etc. Lab fee \$25.

Relational Databases

☎ 5394 IT 150A3 (5) 11-11:50am MTWTh WAH 211 Keane
☎ 6114 IT 150B3 (5) 12-12:50pm MTWTh WAH 211 Keane
Students learn the tools and processes for data modeling in Relational Database Management Systems. Topics include Structured Query Language (SQL), functional dependencies, normalization, database design methodologies and entity relationship modeling. Lab fee \$50.

Networking Fundamentals

☎ 6117 IT 201A3 (5) 10-10:50am MTWTh WAH 216 Allison
This course is based on CompTIA Network+ certification materials. Material covered includes Fundamental Concepts, Terminology, LANs, WANs, Internetworking, VLANs, Routing Basics and Wireless Networking. Prerequisite: MATH 098. Lab fee \$50.

INTENSIVE ENGLISH PROGRAM

Comprehension Language 1

☎ 5405 IEP 070A4 (1-9) 12-1:50pm Daily TSB 109 Rodriguez M
In this Level 1 Comprehension Language Skills course, Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 1

☎ 5406 IEP 071A4 (9) 9-10:50am Daily WSC 205 Burr
In this Level 1 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehensive Language 2

☎ 5407 IEP 072A4 (1-9) 12-1:50pm Daily TSB 109 Rodriguez M
Language skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 2

☎ 5408 IEP 073A4 (9) 9-10:50am Daily WSC 205 Burr
In this Level 2 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehension Language 3

☎ 5409 IEP 074A4 (1-9) 12-1:50pm Daily TSB 109 Rodriguez M
In this Level 3 Comprehension Language Skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 3

☎ 5410 IEP 075A4 (9) 9-10:50am Daily WSC 205 Burr
In this Level 3 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehension Language 4

☎ 5411 IEP 076A4 (1-9) 12-1:50pm Daily TSB 109 Rodriguez M
In this Level 4 Comprehension Language Skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Communicative Language 4

☎ 5412 IEP 077A4 (9) 9-10:50am Daily WSC 205 Burr
In this Level 4 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$44.95.

MATHEMATICS

Basic Mathematics

☎ 5425 MATH 095A4 (1-5) 9-9:50am Daily WSC 108 Spitzer
☎ 5426 MATH 095N4 (1-5) 7:30-8:50pm MTWTh TSB 001 Keahey
7:30-8:50pm T TSB 001 Keahey
☐☎ 5427 MATH 095S4 (1-5) 4-6:20pm MW MOR 112 Winkler

For students who need to review basic math concepts such as whole number, fraction and decimal operations. Appropriate placement test scores.

Pre-Algebra

☞ 5428 MATH 096A4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5429 MATH 096B4 (1-5) 10-10:50am Daily WSC 211 Spitzer

☞ 5430 MATH 096C4 (1-5) 11-11:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5431 MATH 096D4 (1-5) 1-1:50pm Daily TSB 001 Staff
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 6130 MATH 096E4 (1-5) 9-9:50am Daily TSB 0001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5432 MATH 096N4 (1-5) 4:30-6:50pm MW TSB 001 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5433 MATH 096S4 (1-5) 4-6:20pm MW MOR 112 Winkler
Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement.

Algebra for Statistics

☞ 5435 MATH 097A4 (5) 11-11:50am Daily WSC 215 Brosz
An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite for other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

Algebra I

☞ 5436 MATH 098A4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5437 MATH 098B4 (1-5) 10-10:50am Daily WSC 215 Brosz

☞ 5438 MATH 098C4 (1-5) 11-11:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5439 MATH 098D4 (1-5) 1-1:50pm Daily TSB 001 Staff
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 6131 MATH 098F4 (1-5) 9-9:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5441 MATH 098N4 (1-5) 4:30-6:50pm MW TSB 001 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5442 MATH 098S4 (1-5) 4-6:20pm MW MOR 112 Winkler
☞ 5440 MATH 098EP1 (1-5) Online Ziegler

For students with good arithmetic skills and familiarity with signed numbers and basic algebraic expressions. Problem-solving skills are emphasized. Topics include: linear equations and inequalities, graphing, polynomials, and rational expressions. Prerequisite: MATH 096.

Algebra II

☞ 5443 MATH 099A4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5444 MATH 099B4 (1-5) 12-12:50pm Daily WSC 215 Brosz

☞ 5445 MATH 099C4 (1-5) 11-11:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5446 MATH 099D4 (1-5) 1-1:50pm Daily TSB 001 Staff
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 6132 MATH 099F4 (1-5) 9-9:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5448 MATH 099N4 (1-5) 4:30-6:50pm MW TSB 001 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 5449 MATH 099S4 (1-5) 4-6:20pm MW MOR 112 Winkler
☞ 5447 MATH 099EP1 (1-5) Online Ziegler

Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. Prerequisite: MATH 098 or equivalent.

Math in Society (M)

☞ 5454 MATH& 107A4 (5) 1-1:50pm Daily WSC 204 Griffith
☞ 5455 MATH& 107BP1 (5) Online Ziegler

Designed to enhance math proficiency of liberal arts students as they meet personal and professional demands. Includes mathematics in management, statistics, probability, art, and other practical applications in society. Not preparation for calculus. Prerequisite: MATH 099 or equivalent.

Math for Elem Educ 1 (M)

☞ 5457 MATH& 131A4 (5) 1-3:20pm MW WSC 109 Ziegler
Designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. Prerequisite: MATH 099 or equivalent ASSET/COMPASS score.

Pre-calc 1 Seminar

☞ 6127 MATH 140A4 (1) 10-10:30am MTThF Adams
Supports skill development in students registered in MATH& 141 Pre-Calculus 1. Topics covered in this course include those defined in MATH& 141 and/or any prerequisite skills needed by the student to be successful in MATH& 141. Corequisite: MATH& 141.

Pre-Calculus I (M)

☞ 5458 MATH& 141A4 (5) 11-11:50am Daily WSC 107 Adams
Study of elementary functions (polynomial, exponential, logarithmic), systems of equations, matrix algebra. Modeling and problem solving techniques are emphasized from a graphic, symbolic and numeric perspective. Prerequisite: MATH 099 or equivalent placement.

Pre-Calculus II (M)

☞ 5459 MATH& 142A4 (5) 8-8:50am Daily WAH 103 Adams
☞ 5460 MATH& 142BP1 (5) Online Ziegler

Graphical, numerical, symbolic development of trigonometric functions and their inverses as defined on the unit circle and right triangles; identities, equations, and applications; complex numbers, polar coordinates, parametric equations, vectors, conics, and sequences and series. Prerequisite: MATH& 141.

Statistics Prep Seminar

☎ 5450 MATH 145A3 (1) 11-11:50am MTWTh **WSC 205** Kiekel
Refreshes and enhances the necessary prerequisite skills for a college-level statistics course. Topics include algebra for statistics, spreadsheet software skills, and probabilistic reasoning. Prerequisite: MATH 097, 099 or equivalent, or instructor permission.

Introduction to Stats (M)

☎ 5461 MATH& 146A4 (5) 9-9:50am Daily WSC 213 Kiekel
☎ 5462 MATH& 146B4 (5) 12-12:50pm Daily WSC 213 Kiekel
☎ 5463 MATH& 146CP1 (5) Online Winkler

Introduction to concepts of data collection, organization and summaries. Develop the fundamental concepts of mean, median and standard deviation, probability, probability distributions, and apply these ideas to hypothesis testing, linear regression and analysis of variance. Prerequisite: MATH 097, MATH 099 or equivalent.

Calculus I (M)

☎ 5464 MATH& 151A4 (5) 9-9:50am Daily WSC 210 Adams
The first in a four-quarter sequence. Limits, derivatives of algebraic and some transcendental functions, applications of derivatives, the indefinite integral. Topics covered from numerical, analytical and graphical viewpoints. Prerequisite: MATH& 142 or equivalent.

Calculus III

☎ 5465 MATH& 163A4 (5) 11-11:50am Daily WSC 108 Taylor
Third in a four-quarter sequence. Polar coordinates, parametric equations, vectors, and vector fields, the analytic geometry of three-space, partial derivatives, and multiple integrals. Prerequisite: MATH& 152 or equivalent.

Industrial Math

☎ 5600 TMATH 116A4 (5) **CANCELED**
☎ 6243 TMATH 116B4 (5) 1-2:05pm MTWTh Adams
☎ 6244 TMATH 116C4 (5) 3:30-4:20pm Daily **TEC 105** Steidel

Application of basic mathematical operations to specific workforce programs including common fractions, decimal fractions, percentages, ratio and proportion, practical algebra, and computations involving rectangles and triangles. Emphasizes the use of mathematics in diesel and welding. Prerequisite: MATH 095.

Electronics Math 1

5601 TMATH 121A (5) 9-9:50am Daily TAC 331 Steidel
Students will be introduced to math concepts relating to electronics and robotics. Topics studied will include functions, direct and inverse relationships, unit analysis, calculator operation, linear and exponential equations, and spreadsheet math operations. Prerequisite: MATH 098.

MEDIA STUDIES**Writing the Short Film**

☎ 5416 M ST 122A4 (3) 10-10:50am MWF WAH 140 Fisher
An introduction to the basics of writing the short screenplay. Corequisite MST 261.

Sports Announcing for Basketball

☎ 5417 M ST 127A4 (1) 2-2:50pm W WAH 115 Fisher
Learn and apply the basic skills and knowledge required of today's basketball announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality basketball announcer.

Advanced Radio Broadcasting

☎ 5418 M ST 231A4 (3) 12-12:50pm TTh WAH 115 Fisher
Learn strategies to research and prepare material for broadcast. The use of promotions and contests to increase station ratings also will be covered. Lab fee \$17.94.

Adv TV & Video Production for Electronic Media

☎ 5419 M ST 261A4 (5) 1-1:50pm MWF WAH 140 Fisher
1-2:50pm TTh WAH 140 Fisher

Improve editing skills while producing documentary and music videos. Advanced camera, editing, studio and field production techniques will be covered. Students will also take part in producing live college basketball games. Lab fee \$17.94.

Radio Broadcasting Internship

☎ 5420 M ST 271A4 (1) ARR ARR WAH 140 Fisher
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or instructor permission.

Radio Broadcasting Internship

☎ 5421 M ST 272A4 (2) ARR ARR WAH 140 Fisher
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: MST 230, 231 or instructor permission.

Radio Broadcasting Internship

☎ 5422 M ST 273A4 (3) ARR ARR WAH 140 Fisher
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or instructor permission.

Radio Broadcasting Internship

☎ 5423 M ST 274A4 (4) ARR ARR WAH 140 Fisher
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or permission of the instructor.

TV Broadcasting Internship

☎ 5424 M ST 281A4 (1) ARR ARR WAH 140 Fisher
Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: M ST 260, 261, 262.

MEDICAL ASSISTANT**Medical Math**

5413 MA 130A (5) 8-8:50am Daily WAH 105 Steidel
A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for Medical Assistant AAS. Prerequisite: MATH 096 or equivalent.

Medical Administration

5414 MA 242A (7) 8:30-10:50am MTWTh WAH 146 Boerner
An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Prerequisite: acceptance into 2nd year MA program. Lab fee \$65.

MA Laboratory Procedures

5415 MA 246A (10) 11:30am-2:30pm MTWTh WAH 146 Boerner
9-11:50am F WAH 146 Boerner
Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Prerequisite: acceptance into 2nd year MA program. Lab fee \$53.16.

MUSIC

Music Appreciation (D)(H)

☞ 5520 MUSC&105AP1 (5) Online May
Developing an understanding of music through the study of musical elements and cultural contexts.

Jazz Ensemble I - VI

5472	MUSC	124N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser
5473	MUSC	125N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser
5474	MUSC	126N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser
5475	MUSC	127N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser
5476	MUSC	128N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser
5477	MUSC	129N	(2)	6-8:30pm	W	WAH 152	Blaser
				ARR	W	WAH 152	Blaser

Performing ensemble made up of students and community members. The ensemble's instrumentation is flexible, depending on availability of musicians. One evening rehearsal and one evening concert will be required. Off campus performances may be required. Lab fee \$17.49.

Beginning Guitar

5478 MUSC 135A (2) 1:30-2:50pm TTh WAH 107 Tillinghast
Presents the basic skills for reading and techniques needed to play the guitar. Intended for students with little or no background in guitar performance. Students must supply their own acoustic guitar.

Music of the World (D)(H)

5479 MUSC 139A (5) 9-9:50am Daily WAH 103 ODonel
A music survey of diversity found in music around the world. Examines music as accompaniment to ceremony and ritual, aid to work and routine, and an expression of universal unchanging human emotions. Prior musical experience is not necessary. Prerequisite: proficiency in reading, grammar skills.

History of American Music (D)(H)

☞ 5480 MUSC 140AP1 (5) Online May/Walker
This course offers students a thorough and general study of American Music from Tin Pan Alley to the first part of the 21st Century.

Music Theory II (H)

☞ 5521 MUSC&142A4 (5) 10-10:50am Daily WAH 125 May
A study of musical concepts, including 16th and 18th century counterpoint, part writing, and musical phrases. Prerequisite: MUSC& 141.

Concert Choir I - VI

5481	MUSC	144N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	
5482	MUSC	145N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	
5483	MUSC	146N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	
5484	MUSC	147N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	
5485	MUSC	148N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	
5486	MUSC	149N	(2)	6:30-9pm	Th	WAH 103,Jardine-Tobin	
				ARR	Th	WAH 107,Jardine-Tobin	

A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. Lab fee \$17.49.

Functional Piano II

☞ 5488 MUSC 152A4 (1) 4-4:50pm T WAH 125 Tillinghast
Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Prerequisite: MUSC 151 or instructor permission (audition required). Corequisite: simultaneous enrollment in music theory class.

Applied Flute

5487 MUSC 150A (1) ARR ARR ARR ODonel

Applied French Horn

5489 MUSC 154A (1) ARR ARR ARR Blaser

Applied Trumpet

5490 MUSC 155A (1) ARR ARR ARR Blaser

Applied Trombone

5491 MUSC 156A (1) ARR ARR ARR Blaser

Applied Tuba

5492 MUSC 157A (1) ARR ARR ARR Blaser

Applied Euphonium

5493 MUSC 158A (1) ARR ARR ARR Blaser

Applied Percussion

5494 MUSC 159A (1) ARR ARR ARR Blaser

Applied Piano

☞ 5495 MUSC 160A4 (1) ARR ARR ARR May

Applied Violin

5496 MUSC 161A (1) ARR ARR ARR Scarborough

Applied Viola

5497 MUSC 162A (1) ARR ARR ARR Scarborough

Applied Cello

5498 MUSC 163A (1) ARR ARR ARR Staff

Applied Double Bass

5499 MUSC 164A (1) ARR ARR ARR Staff

Applied Guitar

5500 MUSC 165A (1) ARR ARR ARR Tillinghast

Applied Saxophone

5501 MUSC 166A (1) ARR ARR ARR Blaser

Applied Voice

5502 MUSC 167A (1) ARR ARR ARR Colgan

6259 MUSC 167B (1) ARR ARR ARR Jardine-Tobi

Applied Composition

☞ 5503 MUSC 168A4 (1) ARR ARR ARR May

Applied Clarinet

5504 MUSC 169A (1) ARR ARR ARR Blaser

Applied Oboe

5505 MUSC 170A (1) ARR ARR ARR Blaser

Applied Bassoon

5506 MUSC 171A (1) ARR ARR ARR Staff

Applied Harp

5507 MUSC 172A (1) ARR ARR ARR Scott

These Applied Music courses teach performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor permission and/or audition required. Corequisite: ensemble and/or music theory. Lab fee \$300.

Community Band I - VI

5508	MUSC	175N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
5509	MUSC	176N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
5510	MUSC	177N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
5511	MUSC	178N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
5512	MUSC	179N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
5513	MUSC	180N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser

Performance ensemble consisting of students and community members. Repertoire will vary and be selected by the band director(s). The ensemble consists of band instrumentation and meets weekly for three hours. Lab fee \$10.

Community Orchestra I - VI

5514	MUSC	185N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
5515	MUSC	186N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
5516	MUSC	187N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
5517	MUSC	188N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
5518	MUSC	189N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
5519	MUSC	190N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander

Performing ensemble made up of students and community members. Repertoire will vary and will be selected by the orchestra director. The ensemble consists of orchestral instrumentation and meets weekly for three hours. Lab fee \$10.

NURSING

Common Alterations I

☞	5523	NURS	102A4	(12)	ARR	Daily	WSC 202	Team Teach
					ARR	Daily	WSC 202	Capen
					ARR	Daily	WSC 202	Staff
					ARR	Daily	WSC 202	Ormrod

Progressive competencies reflecting program themes are applied to nutrition; cardiac, respiratory, and endocrine systems; and medication and fluid administration. On-campus theory, skills labs and off-campus clinical experiences are provided. Prerequisite: NURS 101 or equivalent. Lab fee \$38.10.

Complex Alterations

☞	5524	NURS	202A4	(12)	ARR	ARR	WSC 202	Team Teach
					ARR	ARR	WSC 202	Gustafson
					ARR	Daily	WSC 202	Logalbo
					ARR	Daily	WSC 202	Schuchmann

Progressive competencies reflecting program themes are applied to the care of clients with complex alterations in health. Women's Health and Pediatric and Adult acute care clinical opportunities are provided at regional facilities. NURS 201 and 220 or equivalent. Lab fee \$42.95.

NURSING ASSISTANT

Nursing Assistant Certification

5359	HLSV	131A	(9)	8am-12pm	MTWTh	TEC 115	Speer
				5:45am-12pm	ARR	SCC	Speer
6113	HLSV	131B	(9)	1-5pm	MTWTh	TEC 115	Speer
				12:45-7pm	ARR	SCC	Speer

Awareness of the role of the nursing assistant in nursing care and skill development. Topics: maintain a safe environment, provide restorative care, communication, and practice basic concepts of care. Background check is required for clinical. Lab fee \$191.30.

Nurse Delegation

5360	HLSV	132A	(2)	1-4:50pm	ARR	TEC 115	Speer
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Class for Washington caregivers who work or will work with specific populations in community-based care settings. Course covers laws pertaining to delegation and hands-on skills. Lab fee \$45.

Mental Health 1

5361	HLSV	133A	(1)	1-5pm	ARR	TEC 115	Speer
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Course identifies types of mental illness and common signs and symptoms. Learn capable caregiving for mental wellness. A DSHS curriculum that meets population specific training requirements. Lab fee \$15.

Dementia 1

5362	HLSV	134A	(1)	1-5pm	ARR	TEC 115	Speer
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Learn how dementia affects a person's body and mind. This basic understanding is the foundation on which to build skills needed to provide the best care for people with dementia. Lab fee \$15.

NUTRITION

Nutrition (NS)

☞	5525	NUTR&	101A4	(5)	9-9:50am	Daily	WSC 110	Jewell
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An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. Prerequisite: HS level biology or chemistry.

OCEANOGRAPHY

Intro to Oceanography (NS)

☞	5526	OCEA&	101AP1	(5)	Online			Khandro
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Meets requirement for lab course.

Explore the physical, geological, chemical and biological characteristics of the ocean: waves and tides, ocean and atmosphere circulation, coastal features and beach processes, ocean basins, sediments, ocean chemistry and physics, plate tectonics, and marine life.

PHILOSOPHY

Intro to Philosophy (H)

☞	5554	PHIL&	101AP1	(5)	Online			Diamant
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Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

Introduction to Ethics (H)

☞	5553	PHIL	103AP1	(5)	Online			Diamant
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Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHLEBOTOMY

Intro to Phlebotomy Tech

☎ 6241 PHLE 131B3 (5) 7-8:20am Daily WAH 146 Jenkins
+1 hour/week TBA

Overview of laboratory procedures and regulations for the medical office laboratory. Prerequisites: BIOL 170 and 172, MA 139 with a 2.5 GPA or higher. Lab fee \$49.07.

PHYSICAL EDUCATION

Physical Fitness (HF)

☐ 5527 P E 110R (1) 9:30-10:30am TTh MOR 101 Jones

Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10. **Class meets 1/7 - 3/12.**

Volleyball

5528 P E 115A (1) 12-12:50pm TTh MSG 103 Ewings

This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee \$3.10.

Lifestyle Mgmt & Exercise (HF)

☎ 5529 P E 120A3 (2) 9-9:50am MW MSG 125 Goss
+1 hour/week TBA

Designed to assist individual in making life style changes associated with health and fitness. Lab fee \$3.10.

Stretching & Flexibility (HF)

☎ 5530 P E 121A4 (1) 12-12:50pm TTh MSG 200 Johnson

Learn and perform safe stretches to increase flexibility and range of motion. Understand how stretching can help decrease injury, recover after other workouts and calm the mind and body. Lab fee \$3.10.

Basic Weight Training/Conditioning (HF)

☎ 5531 P E 123A4 (1) 10-10:50am MW MSG 125 Goss

Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10.

Free Weights (HF)

5532 P E 125A (1) 10-10:50am TTh MSG 130 Bower

Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee \$3.10.

Basketball Applications

5533 P E 130A (3) ARR Daily MSG 103 Moir
5534 P E 130B (3) ARR ARR MSG 103 Sells

A course designed to provide experience in advanced strategies, fundamental skills, and team concepts of basketball. Prerequisite: PE 103, 167 or instructor permission. Lab fee \$3.10.

Cardio Conditioning (HF)

☎ 5535 P E 142A4 (1) 10-10:50am TTh MSG 200 Goss

A combination of current cardio experiences to improve cardiovascular endurance, body composition, muscle fitness and flexibility. A variety of movements will be explored, including step aerobics, kickboxing, HIIT, Zumba and circuits. Lab fee \$3.10.

Yoga (HF)

☎ 5536 P E 150A4 (1) 9-9:50am TTh MSG 200 Goss
☎ 5537 P E 150N4 (1) 6-6:50pm TTh MSG 200 Goss

An exercise class integrating components of flexibility, muscular strength and endurance, and relaxation. Students will be encouraged to work at their own level of fitness. Lab fee \$3.10.

Aerobic Fitness/Walking (HF)

☐☎5538 P E 151R3 (1) 9am-4pm Sa MOR 108 Johnson

A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility and body composition. Lab fee \$3.10. **Class meets 1/11, 1/25, 2/8.**

Pilates/Core (HF)

☎ 5539 P E 152A4 (1) 11-11:50am MW MSG 200 May

☎ 5540 P E 152B4 (1) 4-4:50pm MW MSG 200 May

An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$3.10.

Tai Chi Basics (HF)

5541 P E 153A (1) 8-8:50am MW MSG 200 Barr

Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness. Lab fee \$3.10.

Beginning Tae Kwon Do (HF)

5542 P E 158N (2) 6-8pm MW MSG 200 Newkirk

Develop balance, coordination, agility, spatial awareness, strength, and flexibility through the Korean art of Tae Kwon Do. Students will work at their own level of fitness. Lab fee \$3.10.

Intermediate Tae Kwon Do

5543 P E 159N (2) 6-8pm MW MSG 200 Newkirk

Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Advanced Tae Kwon Do

5544 P E 160N (2) 6-8pm MW MSG 200 Newkirk

Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Lifetime Fitness (HF)

☎ 5546 P E 168A3 (2) 10-10:50am F MSG 106 Johnson
+2 hours/week TBA

Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week. Lab fee \$3.10.

Theory of Baseball

5547 P E 172A (3) ARR MWF MSG 115 Emsley

A practical course with emphasis on the coaching of offensive and defensive strategies, theory, psychology and basic rules. First class meets in Gym. Lab fee \$3.10.

Advanced Volleyball

5548 P E 215A (1) 12-12:50pm TTh MSG 103 Ewings

Advanced techniques and skills included in competitive volleyball. Advanced offensive and defensive tactics and strategy will be covered. Prerequisite: PE 115 or instructor permission. Lab fee \$3.10.

Physical Fitness Concepts (HF)

☎ 5549 P E 229AP1 (3) Online Johnson

A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week.

Advanced Basketball Applications

5550 P E 230A (3) ARR Daily MSG 103 Moir
5551 P E 230B (3) ARR ARR MSG 103 Sells

A course designed to provide experiences in advanced strategies, advanced fundamental skills, and advanced team concepts of basketball. Prerequisite: PE 130 or instructor permission. Lab fee \$3.10.

PHYSICS

Phys: Non-Sci Majrs w/Lab (NS)

☎ 5557 PHYS& 110A4 (5)	12-12:50pm	MTWTh	WSC 108	Threapleton
	1-2:50pm	Th	WSC 106	Threapleton
☎ 5558 PHYS& 110B4 (5)	12-12:50pm	MTWTh	WSC 108	Threapleton
	3-4:50pm	Th	WSC 106	Threapleton

A survey of physics with applications in everyday life for non-science majors. Basic concepts in Newtonian mechanics, thermodynamics, electricity, magnetism, optics, and modern physics. Requires knowledge of basic algebra. Includes a 2 hour lab. Lab fee \$16.26.

Engineering Physics II (NS)

☎ 5559 PHYS& 222A4 (5)	8-8:50am	MTWTh	WSC 108	Threapleton
	1-2:50pm	M	WSC 106	Threapleton

Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Prerequisite: PHYS& 221 and MATH& 152; corequisite: MATH& 153. Lab fee \$18.68.

Research in Physics

5556 PHYS 270A (12)	ARR	ARR	ARR	Threapleton
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

POLITICAL SCIENCE

American Government (SS)

☎ 5560 POLS& 202AP1 (5)	Online			McCullough
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Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates.

Comparative Government (D)(SS)

5561 POLS& 204A (5)	9-9:50am	Daily	WSC 204	Peterson
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Examine political theory and application within a comparative framework: ideology, nature of participation, as well as a variety of governmental structures, and functions. Contemporary situations will provide the cases for example and analysis.

PSYCHOLOGY

General Psychology (SS)

☎ 5565 PSYC& 100A4 (5)	11-11:50am	Daily	WSC 204	MacNamara
☎ 5566 PSYC& 100B4 (5)	1-3:20pm	TTh	WSC 107	MacNamara
☎ 5567 PSYC& 100CP1 (5)	Online			MacNamara
☎ 5568 PSYC& 100DP1 (5)	Online			MacNamara
☎ 6316 PSYC& 100C4 (5)	11-11:50am	Daily	WAH 214	Starroff

An introduction to the scientific study of behavior: history, research methods, biology of behavior, lifespan development, sensation and perception, learning, memory, intelligence, motivation, emotion, personality, psychological disorders and therapies, and social psychology.

Lifespan Psychology (SS)

☎ 5570 PSYC& 200A4 (5)	9-9:50am	Daily	WSC 107	MacNamara
☎ 5571 PSYC& 200BP1 (5)	Online			Starroff

Human development from conception to death. Basic concepts and principles of biological, cognitive, and psychosocial development are integrated for each age period. Typical developmental tasks as well as problems are emphasized. Prerequisite: PSYC& 100.

Abnormal Psychology

☎ 5572 PSYC& 220A4 (5)	1-3:20pm	MW	WSC 211	Starroff
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An introduction to the study of abnormal behavior, including behavioral problems, personality disorders and maladjustment, and the study of the causes, diagnoses, and treatment. Prerequisite: PSYC& 100 or instructor permission.

READING

Independent Study

5573 READ 096N (1-5)	5-7:20pm	MW	WSC 101	Shriver
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Individualized instruction for the student whose needs are not currently being met by the available course offerings. Specialized curriculum and instruction are developed to meet each students needs. Permission of instructor only.

Specific Reading Skill Development

5574 READ 097A (1-3)	11-11:50am	Daily	MSG 115	Shriver
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This course is designed to provide students with opportunities to improve their reading specifically identified areas of need. Comprehension building, word attack skills, and content area reading are a few of the specific areas that can be targeted by this class.

Improvement of Reading

5575 READ 099A (1-5)	11-11:50am	Daily	MSG 115	Shriver
5576 READ 099N (1-5)	5-7:20pm	MW	WSC 101	Shriver
☐ 5577 READ 099R (1-5)	1-3:20pm	MW	MOR 101	Nellis

Students strengthen thinking, reading comprehension, and vocabulary skills in learning to read and study textbooks, writing summaries, note taking, and test taking. Completion of course satisfies the basic skill deficiency in reading. Prerequisite: COMPASS placement (reading) 49.

Technical Reading

5578 READ 100A (3)	11-11:50am	Daily	MSG 115	Shriver
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Designed to teach discipline-specific reading strategies useful to students in both vocational and academic areas. It will also teach awareness of academic though processes and present skills to enhance that thinking process.

Speed Reading

5579 READ 110A (3)	ARR	ARR	ARR	Shriver
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Self-paced course for students wishing to increase reading rate and comprehension using proper eye movements, improved vocabulary, and correct reading methods based on reading material. Prerequisite: college level reading and vocabulary skills.

SCIENCE -see GEOLOGY

Survey of Earth Sciences (NS)

☎ 5580 SCIE 103A4 (5)				CANCELED
				CANCELED
☎ 5581 SCIE 103B4 (5)				CANCELED
				CANCELED

Explores topics in earth sciences: geology, oceanography, meteorology, astronomy. Earthquakes, volcanoes, glaciers, streams, floods, landslides, tides, coastal features, weather and climate, planets and stars. Integrates information about the relationship between humans and the physical environment. SCIE 103L must be taken concurrently or a later quarter to satisfy the requirement for a science course with a lab. Designed for students with little or no science background. Lab fee \$10.

SOCIOLOGY

Intro to Sociology (SS)

☞	5589	SOC&	101A4	(5)	8-8:50am	Daily	WSC 107	Lytle
☞	5590	SOC&	101B4	(5)	9-9:50am	Daily	WSC 111	Bryant
☞	5591	SOC&	101C4	(5)	11-11:50am	Daily	WSC 211	Lytle
☞	6311	SOC&	101E3	(5)	12-1:50pm	TTh	WSC 101	Seabert
☞	5592	SOC&	101DP1	(5)	Online			Tate

Study of society and human interaction. Topics include social ranking, change, deviance, social control, the creation of thought and personality, groups, institutions, political and economic power, social movements, and how to gather valid sociological information.

Social Problems (SS)

☞	5593	SOC&	201A4	(5)	10-10:50am	Daily	WSC 110	Bryant
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Investigate problems within society and how we view certain social conditions as social problems. Topics include technology, environment, population, economy, class, race/ethnic relations, sexism, ageism, family problems, education, cities, deviance, crime, mental health, physical health.

SPANISH

Spanish I (H)

☞	5594	SPAN&	121A4	(5)	1-1:50pm	Daily	WSC 210	Martinez
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First class in 100 level sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures.

Spanish II (H)

☞	5595	SPAN&	122A4	(5)	8-8:50am	Daily	WSC 210	Gorecki
☞	5596	SPAN&	122B4	(5)	10-10:50am	Daily	WSC 210	Gorecki
☞	5597	SPAN&	122CP1	(5)	Online			Martinez

Second class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: SPAN& 121 or instructor permission.

Spanish V (H)

☞	5598	SPAN&	222A4	(5)	11-11:50am	Daily	WSC 109	Gorecki
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Fifth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: Spanish IV or equivalent amount of high school Spanish.

STUDENT DEVELOPMENT

Study Skills

☞	5582	SDEV	099N4	(1-5)	5-7:20pm	MW	WSC 101	Shriver
☞	6200	SDEV	099R3	(3)	1-2:20pm	TTh	MOR 108	Kiehn

Students learn essential skills needed for effective study. Course includes learning style assessment, time management, study reading, memory techniques, test-taking strategies, and research techniques.

Career Planning

☞	5583	SDEV	105A4	(2)	1-1:50pm	MTWTh	WSC 111	Rauscher
☞	5584	SDEV	105BP1	(2)	Online			Rauscher
☞	5585	SDEV	105C4	(2)	1-1:50pm	MTWTh	WSC 111	Rauscher

Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects. Lab fee \$26. **Section A4 meets 1/8 - 2/11; section CP1 meets 2/12 - 3/20.**

Student Success

☞	5586	SDEV	150A3	(3)	12-12:50pm	Daily	WSC 210	Hafezi
☞	5587	SDEV	150B3	(3)	12-12:50pm	Daily	WSC 210	Hafezi
☞	5588	SDEV	150C3	(3)	1-1:50pm	Daily	WSC 208	Burr

Students learn and put into practice concepts related to college success. Topics include exploration of self, learning style, degree and career planning, culture, academic, personal and financial resources, academic skills, and campus involvement. **Section A3 meets 1/2 - 2/7; section B3 meets 2/10 - 3/19; and section C3 meets 1/2 - 2/7.**

WELDING

GMAW Welding

5602	WELD	164A	(12)	11-11:50am	Daily	TEC 105	Hegsted
				12-2:50pm	Daily	TEC 103	Hegsted

Gas metal-arc welding (GMAW) and flux-cored arc welding (FCAW) safety, setup, operation and troubleshooting. Lab practice includes butt, lap, tee and corner joints in all positions. Also includes GMAW with aluminum and AWS weld testing. Prerequisite: GPA 2.0 or higher in WELD 161 or instructor permission. Lab fee \$143.09.

Gas Metal Arc Welding

6118	WELD	182N	(5)	5-8:30pm	TTh	TEC 103	Hegsted
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Safety, setup, and welding in all positions using AC/DC arc welding equipment on carbon steel. Lab fee \$73.78.

Adv. Gas Shielded Arc Welding

5604	WELD	267A	(12)	8-8:50am	Daily	TEC 105	Peters
				9-11:50am	Daily	TEC 103	Peters

Advanced Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW) techniques for all position plate and pipe welding. This course prepares welders for WABO certification. Prerequisite: WELD 164 or permission of instructor. Lab fee \$138.75.

MORTON SPECIAL INTEREST

Fitness for Health

□ 5102 ASI 012R (1) 9am-4pm Sa MOR 108 Johnson
 Designed to help improve the five areas of health-related physical fitness-cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Participants will be encouraged to work at their own level of fitness. Class fee \$25. **Class meets 1/11, 1/25, 2/8.**

Middle Eastern Dance

□ 5103 ASI 014R (1) 6:30-7:30pm T MOR Nixon
 Learn and practice dance postures, flexibility, and dance movements traditional to Middle Eastern cultures. Discover rich and varied music and movement inherent in Middle Eastern dance. Dress for exercise. Class fee \$30.

Better Bones and Balance

□ 5104 ASI 015R (1) 9:30-10:30am TTh MOR 101 Jones
 Reap the benefits OSU Bone Research studies have shown: this exercise program can significantly slow loss of bone density in adults of all ages as well as improve balance, flexibility, coordination, muscle tone and overall body fitness. Class fee \$25. **Class meets 1/7 - 3/12.**

Technical Aspects of Community Theatre

□ 6202 ASI 054R3 (2) 10am-12:20pm TTh MOR 108 Hartman
 Develop skills needed to participate in technical aspects of community theatre production; explore volunteer opportunities in community theatre. Class fee \$65.

BACHELOR OF APPLIED SCIENCE CLASSES

To learn more about the Bachelor of Applied Science Programs offered at Centralia College, please go to
<http://bachelors.centralia.edu/>

Intermediate Accounting I

☎ 6102 ACCT 301N3 (5) 6-7:50pm Th WSC 111 Brodersen

The first installment of a two-part course designed to teach a professional level understanding of financial accounting and reporting as it applies to business entities both publicly traded and privately held. Prerequisite: ACCT& 202 or by permission.

Acctg Prin for Mgrs

☎ 5085 ACCT 310A4 (5) 9-9:50am Daily WAH 105 Crawford

☎ 5086 ACCT 310N3 (5) 6-7:50pm Th WSC 215 Crawford
+3 hours/week TBA

Foundation course in accounting principles from a management perspective. Analyze the interrelationships of financial statements and cost behavior to measure and control the performance of a business entity, and make decisions based on this information.

Material Science of Fluids

☎ 5247 DET 325A3 (5) 8-8:50am MTWTh TEC 159 Lucas
9-11:50am MTWTh TEC 154 Lucas

Covers: oil, fuel, and coolant properties and functions. Students will perform field sampling and laboratory testing of fluids. Results of testing will be interpreted and explained at a customer level. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$100. **Class meets 1/2 - 2/4.**

Regulatory Issues

☎ 5248 DET 335A3 (5) 9-11am MTWTh TEC 133 Lipp
+1 hour/week TBA

Studies the requirements set forth by governing agencies, such as: DOE/EPA, MSHA, OSHA, and Labor and Industries relating to diesel fueled automotive and industrial equipment. Prerequisite: enrollment in BAS-DT or instructor permission. **Class meets 2/5 - 3/16.**

Hydraulics II

☎ 5249 DET 435A3 (5) 8-8:50am MTWTh TEC 154 Conrad
9-11:50am MTWTh TEC 135 Conrad

The study and application of complex hydraulic systems with an emphasis on troubleshooting and system design. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 1/2 - 2/4.**

Combustion Engine Fuels

☎ 5250 DET 445A3 (5) 8-8:50am MTWTh TEC 159 Lucas
9-11:50am MTWTh TEC 154 Lucas

Identify and comprehend a variety of alternative power sources used in internal combustion engines. Power sources to be included are: diesel fuel, bio-diesel, gasoline, ethanol, propane, and CNG fueled engines. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 2/5 - 3/16.**

Managerial Economics (SS)

☎ 6109 ECON 305A4 (5) 10-10:50am Daily WSC 101 Rodriguez L
☎ 6108 ECON 305N3 (5) 5-6:50pm T WSC 206 Rodriguez L

This class applies the principles of microeconomics to management decisions. Topics include consumer theory, supply & demand, efficiency, elasticity along with how firms contend with costs and competition.

Teaching Science

☎ 6265 EDUC 315N3 (5) 5-6:50pm T WSC 101 Thompson
+3 hours/week TBA

While reviewing fundamental content in life, earth, physical and space sciences, participants will develop skills for integrating Next Generation Science Standards into highly engaging relevant, and age appropriate STEM or STEAM lessons. Prerequisite: admission into BASTE program or administrator approval.

Emergent Reading

☎ 6266 EDUC 355A3 (5) 7-7:50pm T WSC 110 Douay
+4 hours/week TBA

Explores reading, comprehension, and literacy as it pertains to beginning readers. Prerequisite: admission into BASTE program or administrator approval.

Issues of Abuse

☎ 5271 EDUC 351N3 (3) 7-8:50pm T WSC 108 Jager

Develop skills for working with children from abusive and/or neglectful home environments, including potential behavioral consequences of abuse or neglect and corresponding intervention strategies.

Assessment and Evaluation

☎ 6103 EDUC 360N3 (5) 5-6:50pm Th WSC 110 Smith
+3 hours/week TBA

☎ 6104 EDUC 360NA3 (5) 5-6:50pm T WSC 110 Grande
+3 hours/week TBA

Participants will explore principles of sound assessment using grade level expectations, teaching frameworks, and individual education plans as tools. Participants will design assessment strategies for individual needs of students in classrooms.

Practicum 2

☎ 5275 EDUC 482N3 (2) 7-7:50pm Th WSC 110 Smith

This course allows students to apply the content and strategies learned in Classroom Management as they participate in 33 hours of classroom activities in the elementary classroom. Corequisite: EDUC 421. Lab fee \$6.19.

Student Teaching Elem 1

☎ 5276 EDUC 497N3 (10) ARR ARR ARR Grande

Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned. Prerequisite: ENGL& 102, 2.0 or higher in EDUC 300, 330, 345, 350, 355, 370, 400, 410, 420, and 421. Lab fee \$6.19.

Ethics (H)

☎ 5390 HUM 315A4 (5) 11-11:50am Daily WAH 207 Copeland
☎ 5391 HUM 315N3 (5) 7-8:50pm T WSC 109 King

Foundation course in ethics as applied to businesses and organizations related to management issues. Students will explore theoretical concepts in business ethics and apply them to real-world situations based on challenges managers face.

BACHELOR OF APPLIED SCIENCE CLASSES

Software Engineering I

☎ 5397 I T 330A3 (5) 11am-12:50pm MW WAH 216 Hagen

An introduction course in software engineering. Software modeling using Unified markup language (UML) diagramming, systems (business) analysis, requirements gathering, analysis, and design are the focus of this course. Lab fee \$50.

Advanced Databases

☎ 5398 I T 350A3 (5) 2-3:50pm MW WAH 216 Hagen

This class will focus on advanced relational database tools and techniques such as data models, entities, normalization and denormalization, SQL, stored procedures, and general database design. Though MS SQL Server will be used for the class, a survey of modern database systems such as NOSQL, Postgres and MongoDB will be included. Lab fee \$50.

Business Intelligence App

☎ 5399 I T 420A3 (5) 2-3:50pm TTh WAH 216 Hagen

Students gain practical experience and skills to develop business intelligence solutions. Students will create reports, dashboards, set-up and perform statistical analysis, data mining, and classification/clustering of data using both programming and tools. Prerequisite: BAS-IT:AD admittance or permission of the instructor. Lab fee \$50.

Internship 2

☎ 5400 I T 450A3 (5) 1-1:50pm MTWTh WAH 211 Keane

Students enrolled in this internship will have opportunities to serve on a software development team in some capacity, gaining practical experience in the software development life cycle, stakeholder communication, collaboration, and software development. Prerequisite: BAS-IT:AD admittance or permission of the instructor. Lab fee \$50.

Managerial Statistics (M)

☎ 6105 MATH 350A4 (5) 10-10:50am Daily WSC 213 Kiekel
☎ 5453 MATH 350N3 (5) 7-8:50pm T WSC 213 Kiekel

Statistical analysis techniques will be examined and applied in case studies involving real-world management issues. Students will examine difficulties, subjective decisions, and pitfalls when analyzing data and making inferences from numbers. Prerequisite: lower division Quantitative Skills course.

Project Management Application

☎ 6107 MGMT 410A4 (5) 8-8:50am Daily WAH 113 Burger
☎ 5470 MGMT 410N3 (5) 6-7:50pm Th WSC 210 Sampson
+3 hours/week TBA

The theory and practice of project management as it relates to managers. Planning, organizing, securing and managing the human, financial, and physical inputs required to meet project objectives will be covered.

Strategic Management

☎ 6106 MGMT 490A4 (5) 9-9:50am Daily WAH 115 McClain
☎ 5471 MGMT 490N3 (5) 5-6:50pm T WSC 107 Schimelpfenig

A capstone course which focuses on the key aspects that must be addressed for sustained organizational success, effective problem solving, and the capture of opportunities from the perspective of the general manager or the entrepreneur. Prerequisite: BAS 460 or instructor permission.