

WINTER 2021

Advising Schedule –updated 12/15/20

SCHEDULE KEY

☞ Class has online component(s) Enrollment in an online, hybrid, or virtual/hybrid 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.

Shaded Class is offered after 4:30pm

☐ Class is offered at Centralia College East in Morton

CLASS SECTION NUMBERS

If a class section code contains a number, then there is an online component to the class:

1 = Online section. Class is held online with no required dates/times for meeting. All activities delivered online through Canvas or similar system.

2 = Virtual section. Class meets with instructor through Zoom, WebEx, etc. (subject to instructor preference) with required dates and times.

3 = Hybrid section. Class is a combination of online and face-to-face with instructor on campus at required dates/times.

5 = Hybrid/Virtual section. Class is a combination of online and using meeting platforms like Zoom, WebEx, etc. with required dates and times specified.

A Face-to-Face class is held on campus with required dates and times. Based on the state's COVID-19 response and college scheduling, the number of these courses may be limited and/or shifted to Virtual or Hybrid/Virtual.

ACCOUNTING

Practical Accounting II

☞ 5084 ACCT 120A5 (3) 11-11:50am MTW Virtual Lazo
+2 hours/week TBA

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 (AE)

☐☞ 5092 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. Optional virtual meeting Wednesdays from 5-6pm.

Prin of Accounting II (AE)

☞ 5094 ACCT& 202A5 (5) 11-11:50am MWF Virtual Thompson
+2 hours/week TBA

☞ 6137 ACCT& 202BP1 (5) Online 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 (AE)

☞ 5095 ACCT& 203A5 (5) 12-12:50pm MWF Virtual Thompson
+2 hours/week TBA

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.

Business Entity Tax

☞ 5085 ACCT 240A5 (5) 9-9:50am TTh Virtual Thompson
+3 hours/week TBA

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

☐☞ 5086 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. Optional virtual meeting Thursdays from 5-6pm.

Payroll Accounting

☐☞ 5088 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 I (H)

☞ 6178 ASL& 121A5 (5) 2-3:30pm TTh Virtual Depuye-Phillips
An introductory course in American Sign Language (ASL). Topics covered include visual awareness, vocabulary, basic grammatical principles, comprehension skills, and the historical overview of the deaf community and its language.

Am Sign Language II (H)

☞ 5115 ASL& 122A5 (5) 10-11:20am TTh Virtual Depuye-Phillips
☞ 5116 ASL& 122B5 (5) 12-1:20pm TTh Virtual Depuye-Phillips
A continuation of ASL 121, with emphasis on developing fluency in American Sign Language.

ANTHROPOLOGY

Cultural Anthropology (D) (SS)

☞ 5096 ANTH& 206AP1 (5) Online Avalos
☞ 5097 ANTH& 206BP1 (5) Online Avalos
☞ 5098 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)

☞ 5109 ART& 100AP1 (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)

☞ 5100 ART 102A5 (5) 1-2:30pm MW Virtual Frey
An introduction to the fundamentals of drawing. Emphasis is 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

☞ 5101 ART 103A5 (5) 1-2:30pm MW Virtual 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

☞ 5102 ART 104A5 (5) 1-2:30pm MW Virtual 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.

Color Theory (H)

☞ 5104 ART 112A5 (5) 2:30-3:30pm MW Virtual 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)

☞ 5105 ART 130A5 (5) 11-11:50am TTh Virtual Solomon
☞ 6101 ART 130BP1 (5) Online Decker
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.

Introduction to Fibers (H)

☞ 6179 ART 160B5 (5) 1-2:30pm TTh Virtual Frey
An introduction to fiber art history and techniques with an emphasis on traditional, hand manipulated processes such as basketry, felting, dyeing and simple loom work. Lab fee \$48.29.

Digital Photography (H)

☞ 5106 ART 174A5 (5) 11-11:50am W Virtual Solomon
An 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 \$85.

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

☞ 5107 ART 201A5 (5) 10-11:30am MW Virtual 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 (H)

☞ 5108 ART 220A5 (5) 12-12:50pm TTh Virtual Solomon
An introduction to 3D modeling, sculpting, motion-graphics, material, 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 \$85.

ASTRONOMY

The Solar System & the Universe (NS)

☞ 5117 ASTR 127AP1 (5) Online Garcia
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)

☞ 5118 ASTR 128AP1 (2) Online Garcia
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)

☞ 5129 BIOL& 160AP1 (5) Online Hammon
Surveys the structures and functions of cells and organisms. Explores basic genetic and evolutionary processes. Outlines the characteristics of life, its history, and biodiversity.

Human Biology (NS)

☞ 5130 BIOL& 170AP1 (5) Online Jewell
☞ 5131 BIOL& 170BP1 (5) Online Ibrahim
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 (AE)

☞ 5126 BIOL 172AP1 (1) Online 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.

Majors Cell/Molecular (NS)

☞ 5132 BIOL& 222A3 (5)	ARR	ARR	ARR	Norton
	10am-12pm	Th	WSC 303	Norton
	11am-12pm	M	WSC 111	Norton
☞ 5133 BIOL& 222B3 (5)	ARR	ARR	ARR	Norton
	1-3pm	Th	WSC 303	Norton
	11am-12pm	M	WSC 111	Norton
☞ 6172 BIOL& 222C3 (5)	ARR	ARR	ARR	Norton
	4-6pm	Th	WSC 303	Norton
	11am-12pm	M	WSC 110	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)

☞ 5134 BIOL& 241N3 (5)	ARR	ARR	ARR	Hutcheon
	1-3pm	M	WSC 314	Hutcheon
	6-7pm	W	WSC 121	Hutcheon
☞ 5135 BIOL& 241NB3 (5)	ARR	ARR	ARR	Hutcheon
	3:30-5:30pm	M	WSC 314	Hutcheon
	6-7pm	W	WSC 121	Hutcheon
☞ 6173 BIOL& 241NC3 (5)	ARR	ARR	ARR	Hutcheon
	6-8pm	M	WSC 314	Hutcheon
	6-7pm	W	WSC 121	Hutcheon

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)

5136 BIOL& 242A3 (5)	ARR	ARR	ARR	Norton
	1-3pm	T	WSC 314	Norton
	12-1pm	M	WSC 121	Norton
5137 BIOL& 242B3 (5)	ARR	ARR	ARR	Norton
	4-6pm	T	WSC 314	Norton
	12-1pm	M	WSC 121	Norton
5138 BIOL& 242C3 (5)	ARR	ARR	ARR	Norton
	1-3pm	W	WSC 314	Norton
	12-1pm	M	WSC 215	Norton
6174 BIOL& 242D3 (5)	ARR	ARR	ARR	Norton
	4-6pm	W	WSC 314	Norton
	12-1pm	M	WSC 215	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.

Microbiology (NS)

6115 BIOL& 260AP1 (5)	Online	Jewell
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Introductory microbiology focused on human health covering eukaryotes, prokaryotes, and viruses. Includes laboratory applications of lecture concepts. Prerequisite: both a college-level chemistry and biology course, or instructor permission.

Research in Biology (AE)

5127 BIOL 270A (1-12)	ARR	ARR	Norton
5128 BIOL 270C (1-12)	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)

5139 BOTA 110AP1 (5)	Online	Carlson L
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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.

BUSINESS ADMINISTRATION

Intro to Business (AE)

5167 BUS& 101AP1 (5)	Online	Burger
6228 BUS& 101BP1 (5)	Online	Burger

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 (AE)

5168 BUS& 201A5 (5)	8-8:50am	MWF	Virtual	Newman
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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.

Marketing

5163 BUS 220AP1 (5)	CANCELED	Lazo
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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

5164 BUS 225A5 (5)	11-11:50am	TTh	Virtual	Thompson
	+3 hours/week TBA			

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.

Entrepreneurship

5165 BUS 232AP1 (5)	Online	King
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Experience the challenge and reward of planning a new business. Topics include: development of a business plan, failure factors in small businesses, capital, accounting, financial statements, marketing, human resource management, legal/regulatory issues and management principles. Prerequisite: BUS& 101 and ACCT 200, or instructor permission.

Principles of Management

5166 BUS 275AP1 (5)	Online	McClain
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Management styles and effective management of personnel from the manager's side of business. The course is built around the five traditional functions of management and exploring management problems and practices. Real-life case problems used.

BUSINESS OFFICE TECHNOLOGY

Keyboarding for Business

5141 BTEC 101A3 (3)	9-9:50am	MW	WAH 207	O'Hern
	+3 hours/week TBA			

6205 BTEC 101BP1 (3)	Online	O'Hern
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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

5142 BTEC 102A3 (3)	9-9:50am	MW	WAH 207	O'Hern
	+3 hours/week TBA			

6206 BTEC 102BP1 (3)	Online	O'Hern
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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.

Cooperative Work Experience

5144 BTEC 190A4 (1-12)	Online	Copeland
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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

5145 BTEC 191AP1 (1)	Online	Copeland
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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

5146 BTEC 203A3 (3)	9-9:50am	MW	WAH 207	O'Hern
	+3 hours/week TBA			

6207 BTEC 203BP1 (3)	Online	O'Hern
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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

☞ 5147 BTEC 205AP1 (1) Online 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 1

☞ 5148 BTEC 210A5 (5) 9-9:50am MW Virtual Lazo
+3 hours/week TBA

☞ 6138 BTEC 210BP1 (5) Online Lazo

☞ 5149 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

☞ 5150 BTEC 212AP1 (5) Online O'Hern

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.

Excel 1

☞ 5151 BTEC 214A5 (5) 12-12:50pm MW Virtual Lazo
+3 hours/week TBA

☞ 5152 BTEC 214BP1 (5) Online Lazo

☞ 5153 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

☞ 5154 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

☞ 5155 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.

Business Communications

☞ 5157 BTEC 221AP1 (5) Online 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

☞ 5158 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

☞ 5159 BTEC 233A5 (5) 12-12:50pm MTWTh Virtual Copeland
+1 hours/week TBA

Principles and procedures of effective records management for physical and electronic systems. Practice in indexing, coding, and filing for alphabetic, numeric, subject, and geographic systems. Introduction to laws, regulations, security risks and e-discovery.

Insurance and Billing

☞ 5160 BTEC 255A5 (5) 1-1:50pm MTWTh Virtual Thomas

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.

CHEMICAL DEPENDENCY

CDP Counseling Techniques

☞ 5172 CDP 111A5 (4) 10-11:50am Th Virtual Staroff

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

☞ 5173 CDP 130A2 (5) 1-2:50pm TTh Virtual 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

☞ 5174 CDP 210A2 (4) 1-2:40pm W Virtual 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

☞ 5175 CDP 220AP1 (4) Online 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 or instructor permission.

CHEMISTRY

Chemical Concepts w/Lab (NS)

☞ 5214 CHEM& 110A3 (5) ARR ARR ARR 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. Math 096 prerequisite. Lab fee \$27.69.

Introduction to Chemistry (NS)

☞ 5215 CHEM& 121A3 (5) ARR ARR ARR Sprafka
10-11:50am W WSC 308 Sprafka

☞ 5216 CHEM& 121B3 (5) ARR ARR ARR Sprafka
1-2:50pm W WSC 308 Sprafka

☞ 6121 CHEM& 121C3 (5) ARR ARR ARR Sprafka
4-5:50pm 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

☞ 5211 CHEM 159A3 (1) ARR F ARR 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)

5217 CHEM& 161A3 (6)	ARR	ARR		Sprafka
	1-3pm	T	WSC 308	Sprafka
5218 CHEM& 161B3 (6)	ARR		ARR	Sprafka
	3:30-5:30pm	T	WSC 308	Sprafka

First of a three-quarter sequence for science and engineering majors. Includes matter, measurements, equations, stoichiometry, solution chemistry, gases, thermochemistry, quantum theory, and electronic structure. Problem solving and critical thinking are stressed. Includes lab. Prerequisite: CHEM& 139 or CHEM& 121 (>2.0) and MATH 099 or equivalent or instructor permission. Lab fee \$27.46.

General Chem w/Lab II (NS)

5218 CHEM& 162A3 (6)	ARR	ARR		Goodwin
	1:10-3pm	W	WSC 302	Goodwin
5219 CHEM& 162B3 (6)	ARR		ARR	Goodwin
	3:30-5:20pm	W	WSC 302	Goodwin
6180 CHEM& 162C3 (6)	ARR	ARR	ARR	Goodwin
	1:10-3pm	Th	WSC 302	Goodwin
6181 CHEM& 162D3 (6)	ARR	ARR	ARR	Goodwin
	3:30-5:20pm	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)

5220 CHEM& 262A3 (6)	12-12:50pm	MWTh	Virtual	Goodwin
	1:10-5pm	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 (AE)

5212 CHEM 270A (1-12)ARR	ARR	ARR	Sprafka
5213 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)

5221 CHIN& 121A5 (5) 12-12:50pm Daily Virtual 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)

5222 CHIN& 122A5 (5) 11-11:50am Daily Virtual 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)

5223 CHIN& 222AP1 (5) CANCELED 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 DRIVERS

Commercial Truck Driving

5171 CDL 100A (12) ARR Daily ARR Dunn

This course is designed to prepare students to take the State of Washington test 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; 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 \$3100.

COMMUNICATION STUDIES

Intro to Mass Media (H)

5240 CMST& 102AP1 (5) Online Fisher
5241 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.

Racism, Sexism and the Media (D) (H)

5238 CMST 104AP1 (3) Online Fisher

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

Social Media Comm. (H)

5239 CMST 110AP1 (5) Online Staff

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)

5242 CMST& 220AP1 (5) Online McQuarrie
5243 CMST& 220BP1 (5) Online McQuarrie
5244 CMST& 220DP1 (5) Online McQuarrie
5246 CMST& 220GP1 (5) Online Staff
5245 CMST& 220F5 (5) 2-3:50pm W Virtual Majors
+3 hours/week TBA

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

5247 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

5169 CAD 110A3 (3) CANCELED Staff

Introduces students to the art and science of reading 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

📍 5170 CAD 115A5 (3) 9-11:50am TTh Virtual Hitch
+1 hour/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.

CRIMINAL JUSTICE

Intro to Criminal Justice (AE)

📍 5237 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 (AE)

📍 5230 CJ 104A3 (5) 8-10:20am M WSC 121 Gilbertson
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

📍 5231 CJ 107A3 (5) 10:30am-12:50pm TAC 122 Gilbertson
📍 6116 CJ 107CP1 (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

📍 5233 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

📍 5234 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

📍 5235 CJ 129A3 (5) 8-10:20am T WAH 103 Gilbertson
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

📍 5236 CJ 224A3 (5) 10:30am-12:50pm T WAH 105 Gilbertson
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

5251 DET 102A (1) ARR ARR 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

📍 5253 DET 110A3 (7) Online Lipp
7am-3:30pm MT TEC 154 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 2/8 -3/16.**

Mobile Hydraulic Systems

📍 5254 DET 130A3 (7) Online Lipp
7am-3:30pm MT TEC 154 Lipp

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 110 or instructor permission. Corequisite: DET 110. Lab fee \$68.01. **Class meets 1/4 - 2/4.**

Power Transmission II

📍 5255 DET 210A3 (7) Online Dunn
7am-3:30pm MT TEC 135 Dunn

The study of power shift and automatic transmissions as used in diesel powered equipment. Prerequisite: DET 125. Lab fee \$85.69. **Class meets 2/8 - 3/16.**

Heavy-Duty Chassis Systems

📍 5256 DET 225A3 (7) Online Dunn
7am-3:30pm MT TEC 135 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 1/4 - 2/4.**

DRAMA

Beginning Acting (H)

📍 6208 DRMA 107R3 (5) CANCELED Hartman
Introduction with emphasis on concentration, imagination, movement, and characterization via vocal, physical, emotional exercises, improvisation, and scene work. Students will be expected to attend two plays during the quarter at their own expense.

Dramatic Performance (H)

📍 5261 DRMA 115A3 (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.

Multicultural Theatre (D) (H)

📍 6123 DRMA 210A5 (5) 10-11:50am MW Virtual Kreilkamp
An introduction to the dramatic literature and contemporary theatre practices of people of color; the study of the intersections of cultures in American society as portrayed in American theatre and performance.

ECONOMICS

Microeconomics (SS)

📍 5271 ECON& 201AP1 (5) Online Rodriguez L
Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition.

Macroeconomics (SS)

📍 5272 ECON& 202AP1 (5) Online 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 (SS)

☎ 5279 EDUC& 115AP1 (5) Online Spain/Kirkpatrick
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 1/7 – 3/17.**

School Age Care

☎ 5283 EDUC& 136AW1 (3) Online Staff
Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. **Class meets 1/7 – 3/17.**

Exceptional Child

☎ 5284 EDUC& 204A3 (5) 1-2:40pm T WAH 103 Spain
Introductory course in recognition and identification of exceptionalism in children from birth through high school (age 21).

EDUCATION-EARLY CHILDHOOD

Intro Early Child Ed

☎ 6176 ECED& 105AP1 (5) Online Spain
Explore the foundations of early childhood education. Examine theories defining the field, issues, trends, best practices, and program models. Observe children, professionals and programs in action. **Students will complete 3 hours per week of field experience.**

Practicum-Nurturing Rel

☎ 5263 ECED& 120N3 (2) 5-5:50pm M WAH 103 Spain
+3 hours/week TBA

In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health and safety, promoting growth and development, and creating a culturally responsive environment.

Family Child Care

☎ 5265 ECED& 134AW1 (3) Online Staff
Learn how to manage a family childcare program. Topics include: licensing requirements, record-keeping, relationship building, communication strategies, guiding behavior, and promoting growth and development. **Class meets 1/7 – 3/17.**

Home Visiting & Fam Eng

☎ 6142 ECED& 138AW1 (5) Online Staff
Plan and provide home visits and group activities. Promote secure parent-child relationships. Support families to provide high-quality early learning opportunities embedded in everyday routines and experiences. **Class meets 1/7 – 3/17.**

Administration of ECE

☎ 5266 ECED& 139AW1 (3) Online Staff
Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards. **Class meets 1/7 – 3/17.**

Environments-Young Child

☎ 5267 ECED& 170AP1 (3) Online Kirkpatrick/Keahey
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.

Lang/Literacy Develop

☎ 6177 ECED& 180AP1 (3) Online Spain
Teaching strategies for language acquisition and literacy skill development are examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

Observation & Assessment

☎ 5268 ECED& 190AP1 (3) Online Kirkpatrick
Online Keahey

Collect and record 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

Robotic Controllers

5343 ERA 230A (4) CANCELED 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

5344 ERA 240A (5) 12-12:50pm Daily TAC 331 Kelley
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.

ENERGY TECHNOLOGY

Blueprint Reading

☎ 5624 PPO 120A3 (5) 1-3:20pm W Virtual 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. Students will attend class sessions online at set times and days using Zoom.

Power Plant Prime Movers

5625 PPO 202A2 (5) 1-3:20pm T Virtual Steidel
ARR Th ARR Steidel

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 (AE)

☎ 5338 ENGR 203AP1 (5) Online 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 (AE)

5340 ENGR& 215AP1 (5) Online 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 (AE)

5339 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

5302 ENGL 094NP1 (1-5) Online 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

5304 ENGL 095NP1 (1-5) Online 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

5305 ENGL 096NP1 (1-5) Online 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

5306 ENGL 097NP1 (1-5) Online 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

6167 ENGL 098A5 (1-5) **CANCELED** Burr
This is a bucket class.
6233 ENGL 098D5 (1-5) 9-9:50am MTWTh Virtual Burr
This is a bucket class.
5307 ENGL 098BP1 (1-5) Online Shriver
This is a bucket class.
5308 ENGL 098NP1 (1-5) Online Shriver
This is a bucket class.

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

6168 ENGL 099D5 (1-5) 9-9:50am MTWTh Virtual Burr
This is a bucket class.
5313 ENGL 099NP1 (1-5) Online Shriver
This is a bucket class.

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)

5317 ENGL& 101A5 (5) 10-10:50am MWF Virtual Williams A
5318 ENGL& 101BP1 (5) Online Knott
5319 ENGL& 101CP1 (5) Online Waliezer
5320 ENGL& 101DP1 (5) Online Erickson
5321 ENGL& 101EP1 (5) Online Knott
5322 ENGL& 101FP1 (5) Online Erickson
5323 ENGL& 101GP1 (5) Online Young
5325 ENGL& 101HP1 (5) Online Foss
5324 ENGL& 101JP1 (5) Online Erickson
6102 ENGL& 101KP1 (5) Online Young

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.

Composition II (C)

5328 ENGL& 102C5 (5) 11-11:50am W Virtual Williams A
5326 ENGL& 102AP1 (5) Online Knott
5327 ENGL& 102BP1 (5) Online Davidson
5329 ENGL& 102DP1 (5) Online Waliezer
5330 ENGL& 102EP1 (5) Online Waliezer
5331 ENGL& 102FP1 (5) Online Williams A
5332 ENGL& 102GP1 (5) Online Davidson
5333 ENGL& 102HP1 (5) Online Davidson
6103 ENGL& 102JP1 (5) Online Weil
5334 ENGL& 102KP1 (5) Online Weil

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.

Intro to Literature (H)

5335 ENGL& 111AP1 (5) Online Young
Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors.

Introduction to Shakespeare (H)

6117 ENGL 204A5 (5) 10-11:50am Th Virtual Kreilkamp
Learn about the life, times and works of William Shakespeare. Emphasis will be placed upon the lives of Elizabethans - their likes and dislikes, superstitions and social order as they pertained to this golden age of the theatre. Additionally, students will develop an understanding of and appreciation for Shakespeare's plays by studying 6 of the 37 plays that the Bard wrote.

Intro to Creative Writing (H)

5315 ENGL 208AP1 (5) **CANCELED** 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.

Science Fiction (H)

6175 ENGL 251AP1 (5) Online Weil
Surveys rise and development of science fiction, focusing on short stories; students may address novels in course projects. Explores common themes: Science fiction as social commentary; technology; war; relationships; race; gender; defining "human." Creative writing options.

African American Lit

6209 ENGL 257AP1 (5) **CANCELED** Knott
Connect African American history from the Emancipation Proclamation and Civil Rights Movement to current events through literature: from slavery narratives, Harlem Renaissance and Black Arts Era to current works, podcasts and other new fiction/nonfiction literatures.

Writing in the Workplace

5664 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)

☞ 5341 ENVS& 100AP1 (5) Online Hammon
☞ 5342 ENVS& 100BP1 (5) Online Carlson L

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 ENVS& 100 and ENVS& 101.

Natural Resources Mgmt (NS)

☞ 6113 ENVS 170AP1 (5) Online Carlson L

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& 103A3 (5) 12:30-2:30pm Th WSC 105 Harris
+3.5 hours/week TBA
☞ 5351 GEOL& 103B3 (5) 3-5pm Th WSC 105 Harris
+3.5 hours/week TBA

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)

☞ 5346 GEOL 106B3 (5) 12:30-2:30pm W WSC 105 Harris
+3.5 hours/week TBA
☞ 6110 GEOL 106A4 (5) 3-5pm W WSC 105 Harris
+3.5 hours/week TBA

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 & Catastrophes

☞ 6118 GEOL 108A5 (5) 10-11:30am W Virtual Harris
+4 hours/week TBA
☞ 6119 GEO 108B5 (5) 10-11:30am Th Virtual Harris
+4 hours/week TBA

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 (AE)

5349 GEOL 270A (1-12)ARR ARR ARR Harris
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)

☞ 5368 HLTH 130A3 (3) 9-9:50am T WSC 107 Johnson
☞ 5369 HLTH 130R3 (3) CANCELED Jones

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.

Exercise & Nutrition (HF)

☞ 6108 HLTH 140A3 (3) 11-11:50am T WSC 101 Johnson
☞ 5370 HLTH 140BP1 (3) Online Johnson
☞ 5371 HLTH 140CP1 (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. Lab fee \$3.10.

Global Health Issues (D) (HF)

☞ 5372 HLTH 141RP1 (3) Online Jones

Introduction to global health issues, with a current events focus. Explore factors impacting the health of people around the world, including biological, socio-economic and environmental factors. Examine issues of water, disease, nutrition, and maternal-child health.

Stress Management (HF)

☞ 5373 HLTH 143A3 (2) 11-11:50am W WSC 111 Johnson
☞ 5374 HLTH 143BP1 (2) Online Johnson
☞ 5375 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)

☞ 5376 HLTH 145BP1 (3) Online McMullan

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. **Class meets Wed, 1/20/21, 2:00-6:30pm, WSC 208**

Community First Aid and CPR

5377 HLTH 154C (1) CANCELED Staff

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.

HISTORY

Western Civilization II (SS)

☞ 5357 HIST& 117A5 (5) 10-11:50am MW Virtual Peterson
10-10:50am F Virtual Peterson

Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions.

US History II (SS)

☞ 5358 HIST& 147A (5) 12-1:50pm TTh Virtual Peterson
12-12:50pm F Virtual Peterson

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)

☞ 5359 HIST& 148AP1 (5) Online Mayfield

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)

☞ 5360 HIST& 214AP1 (5) Online Mayfield

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 110A5 (5) 10-10:50am MW Virtual McClain
+3 hours/week TBA

☎ 5354 H R 110C5 (5) **CANCELED** McClain
+3 hours/week TBA

☎ 5355 H R 110DP1 (5) Online McClain

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)

☎ 5458 HUM& 117AP1 (5) Online 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)

☎ 5454 HUM 270A5 (5) 1-2pm T Virtual Mitchler

An examination of the social, historical, technical, and artistic aspects of film through viewing, study and discussion of notable motion pictures.

INFORMATION TECHNOLOGY

Computer Science I C++

☎ 5249 CS& 131AP1 (5) **CANCELED** Staff

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.

Computer Science I Java

☎ 5250 CS& 141A3 (5) **CANCELED** Staff

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.

Programming I

☎ 6211 I T 111A5 (5) 9-9:50am MT Virtual Hagen

A course in event-driven programming concepts. Students will develop event-driven programs that utilize a GUI. Topics include GUI libraries, event handling, delegation, and threading basics. Version control and unit testing will also be introduced. Lab fee \$50.

Intro to Windows OS

☎ 5459 I T 117AP1 (3) Online 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.

Introduction to Web Development

☎ 6212 I T 119A5 (5) 8-8:50am MT Virtual Chaney

An introductory course for developing web content. Students will create and publish static web pages that meet industry design and accessibility standards. Topics include HTML, CSS, validation, accessibility, responsiveness, and design standards. Lab fee \$50.

Relational Databases

☎ 5460 I T 150A3 (5) **CANCELED** Staff

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.

Network Technology 1

☎ 5461 I T 201A5 (5) ARR ARR Virtual Allison

This is the first course based on CompTIA Network+ certification materials. Material covered includes fundamental concepts, implementation and terminology relating to LANs, WANs, Internet-working, VLANs, Routing Basics and Wireless Networking. Prerequisite: MATH 098. Lab fee \$50.

Web Development III

☎ 6213 I T 213A5 (5) 11-11:50am MT Virtual Chaney

Students will frameworks to develop, test, and debug web applications. Topics include full-stack web frameworks (e.g., NET), WebForms and MVC Frameworks, authentication techniques. Representational State Transfer (REST), and Application Program Interfaces (APIs), and testing techniques. Lab fee \$50.

Software Development I

☎ 6214 I T 220A5 (5) 1-2:50pm MW Virtual Harlan

A course in software development strategies and tools. Students will work in teams to complete software applications. Topics include the Software Development Life-Cycle, Agile development strategies, Version Control Systems, and issue tracking tools. Lab fee \$50.

INTENSIVE ENGLISH PROGRAM

Comprehension Language 1 - 4

☎ 5466 IEP 070A3 (1-9) 12-1:50pm M TSB 109 Rodriguez M
+8 hours/week

☎ 5468 IEP 072A3 (1-9) 12-1:50pm M TSB 109 Rodriguez M
+8 hours/week

☎ 5470 IEP 074A3 (1-9) 12-1:50pm M TSB 109 Rodriguez M
+8 hours/week

☎ 5472 IEP 076A3 (1-9) 12-1:50pm M TSB 109 Rodriguez M
+8 hours/week

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 - 3

☎ 5467 IEP 071A3 (9) 9-10:50am M TSB 109 Wearer
+8 hours/week

☎ 5469 IEP 073A3 (9) 9-10:50am M TSB 109 Wearer
+8 hours/week

☎ 5471 IEP 075A3 (9) 9-10:50am M TSB 109 Wearer
+8 hours/week

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.

Communicative Language 4

☎ 5473 IEP 077A3 (9) 9-10:50am M TSB 109 Wearer
+8 hours/week

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

☎ 5486 MATH 095A2 (1-5) 9-9:50am Daily Virtual Spitzer

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

Pre-Algebra

☞	5489 MATH	096A5	(1-5)	8-8:50am	MWF	Virtual	Spitzer
							This is a bucket class.
☞	5491 MATH	096D5	(1-5)	11-11:50am	MWF	Virtual	Spitzer
							This is a bucket class.
☐☞	5495 MATH	096S4	(1-5)	CANCELED			Winkler
☞	5493 MATH	096BP1	(1-5)	Online			Brosz
							This is a bucket class.

Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement. Section S4, math lab is available face-to-face, however, students have the option to complete their work online or attend one day a week.

Algebra for Statistics

☞	5497 MATH	097AP1	(5)	Online			Brosz
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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

☞	5498 MATH	098A5	(1-5)	8-8:50am	Daily	Virtual	Spitzer
							This is a bucket class.
☞	5500 MATH	098D5	(1-5)	1-1:50pm	MWF	Virtual	Spitzer
							This is a bucket class.
	5505 MATH	098S4	(1-5)	CANCELED			Winkler
☞	5503 MATH	098BP1	(1-5)	Online			Brosz
							This is a bucket class.
☞	5499 MATH	098CP1	(1-5)	Online			Brosz

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. Section S4, math lab is available face-to-face, however, students have the option to complete their work online or attend one day a week.

Algebra II

☞	5506 MATH	099A2	(1-5)	8-8:50am	MWF	Virtual	Spitzer
							This is a bucket class.
☞	5508 MATH	099C4	(1-5)	1-1:50pm	MWF	Virtual	Spitzer
							This is a bucket class.
☞	5513 MATH	099S4	(1-5)	CANCELED			Winkler
☞	5511 MATH	099BP1	(1-5)	Online			Brosz
							This is a bucket class.

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. Section S4, math lab is available face-to-face, however, students have the option to complete their work online or attend one day a week.

Math in Society (M)

☞	5518 MATH&	107A3	(5)	1-1:50pm	MTWTh	WSC 111	Griffith
				1-1:50pm	F	Virtual	Griffith
☞	5519 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)

☞	5520 MATH&	131A5	(5)	1-3:20pm	MW	Virtual	Ziegler
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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

☞	5514 MATH	140A5	(1)	10-10:55am	MW	Virtual	Ziegler
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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)

☞	5521 MATH&	141A5	(5)	11-11:50am	Daily	Virtual	Ziegler
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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)

☞	5321 MATH&	142A5	(5)	CANCELED			Adams
				8-8:50am	W	WSC 215	Adams
☞	5523 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

☞	5515 MATH	145A5	(1)	11-11:50am	MTWTh	Virtual	Kiekel
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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)

☞	5524 MATH&	146A5	(5)	9-9:50am	Daily	Virtual	Kiekel
☞	5525 MATH&	146B5	(5)	12-12:50pm	MTWTh	Virtual	Taylor
☐	5527 MATH&	146R	(5)	12-2:20pm	MW	MOR 108	Winkler
☞	5526 MATH&	146CP1	(5)	Online			Kiekel

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)

☞	5528 MATH&	151A5	(5)	9-9:50am	MTThF	Virtual	Adams
				9-9:50am	W	WSC 208	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 (AE)

☞	5529 MATH&	163A5	(5)	11-11:50am	MTThF	Virtual	Adams
				11-11:50am	W	WSC 210	Adams

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

☞	5658 TMATH	116AP1	(5)	Online			Adams
☞	5659 TMATH	116C4	(5)	CANCELED			

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

	5660 TMATH	121A2	(5)	9-9:50am	Daily	Virtual	Steidel
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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.

MECHATRONICS

AC/DC Electronics

5530 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

5531 MEC 155A2 (3) 1-1:50pm MTWTh Virtual Kelley
Basic Preventive and predictive maintenance procedures. Topics include facility upkeep, safety monitoring and risk management, teardown and inspection techniques, and technologies used in PM procedures. Prerequisite: MEC 151. Lab fee \$50.25.

MEDIA STUDIES

Writing the Short Film

5477 M ST 122AP1 (3) Online Fisher
An introduction to the basics of writing the short screenplay. Co-requisite MST 261.

Basketball Announcing

5478 M ST 127A4 (3) 2-2:50pm W WAH 115 Fisher
Learn and apply the basic skills and knowledge required of today's basketball play-by-play and color analysis announcers. Students will announce men's and women's basketball games. Lab fee \$15.

Advanced Radio Broadcasting

5479 M ST 231AP1 (3) Online Fisher
Learn strategies to research and prepare material for broadcast. The use of promotions and contests to increase station ratings also will be covered.

Introduction to Editing

5480 M ST 261A3 (5) ARR ARR ARR Fisher
1-2:50pm TTh WAH 140 Fisher
An introduction to editing for film and video. Basic audio and video editing will be covered during the quarter. Prerequisite: MST 260.

Radio Broadcasting Internship

5481 M ST 271A4 (1) ARR ARR WAH 140 Fisher
5482 M ST 272A4 (2) ARR ARR WAH 140 Fisher
5483 M ST 273A4 (3) ARR ARR WAH 140 Fisher
5484 M ST 274A4 (4) ARR ARR WAH 140 Fisher

Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: MST 230, 231 or permission of the instructor.

TV Broadcasting Internship

5485 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: MST 260, 261, 262.

MEDICAL ASSISTANT

Medical Math

5474 M A 130A2 (5) 8-8:50am Daily Virtual 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

5475 M A 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

5476 M A 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 History (D) (H)

6112 MUSC 101AP1 (5) CANCELED May
An overview of music in its historical context, including both the Western Classical canon and musical traditions from Asia, Africa, the Middle East, the Pacific Islands, and the Americas.

Music Appreciation (D) (H)

5585 MUSC& 105AP1 (5) Online May
Developing an understanding of music through the study of musical elements and cultural contexts.

Music of the World (D) (H)

5543 MUSC 139AP1 (5) Online 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)

5544 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.

Applied Music Classes

These 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.

Applied Flute (AE)

5551 MUSC 150A (1) ARR ARR ARR Odonel

Applied French Horn (AE)

5553 MUSC 154A (1) ARR ARR ARR Blaser

Applied Trumpet (AE)

5554 MUSC 155A (1) ARR ARR ARR Blaser

Applied Trombone (AE)

5555 MUSC 156A (1) ARR ARR ARR Blaser

Applied Tuba (AE)

5556 MUSC 157A (1) ARR ARR ARR Blaser

Applied Euphonium (AE)

5557 MUSC 158A (1) ARR ARR ARR Blaser

Applied Percussion (AE)

5558 MUSC 159A (1) ARR ARR ARR Blaser

Applied Piano (AE)

5559 MUSC 160A4 (1) ARR ARR ARR May

Applied Violin (AE)

5560 MUSC 161A (1) ARR ARR ARR Scarborough

Applied Viola (AE)

5561 MUSC 162A (1) ARR ARR ARR Scarborough

Applied Cello (AE)

5562 MUSC 163A (1) ARR ARR ARR Staff

Applied Double Bass (AE)

5563 MUSC 164A (1) ARR ARR ARR Staff

Applied Guitar (AE)

5564 MUSC 165A (1) ARR ARR ARR Staff

Applied Saxophone (AE)

5565 MUSC 166A (1) ARR ARR ARR Blaser

Applied Voice (AE)

5566 MUSC 167A (1) ARR ARR ARR Colgan
5567 MUSC 167B (1) ARR ARR ARR Jardine-Tobi

Applied Composition (AE)

5568 MUSC 168A4 (1) ARR ARR ARR May

This course teaches composition skills to students majoring in music. Students will study musical literature from various style periods and composers and will complete works based on guidelines set out by the instructor. Instructor permission

Applied Clarinet (AE)

5569 MUSC 169A (1) ARR ARR ARR Blaser

Applied Oboe (AE)

5570 MUSC 170A (1) ARR ARR ARR Blaser

Applied Bassoon (AE)

5571 MUSC 171A (1) ARR ARR ARR Staff

NURSING

Common Alterations I

5587 NURS 102A4 (12) ARR ARR WSC 202/203 Capen
ARR Daily WSC 202 Schuchmann
ARR Daily WSC 202 Gustafson
ARR Daily WSC 202 Staloch
ARR Daily WSC 202 Bannon

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

5588 NURS 202A4 (12) ARR ARR WSC 202 Gustafson
ARR ARR WSC 202 Capen
ARR ARR WSC 202 Schuchmann
ARR ARR WSC 202 Jeffries

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

5361 HLSV 131A (9) 8am-12pm MTWTh TEC 115 Speer
ARR ARR TBA Speer
5362 HLSV 131B (9) 1-5pm MTWTh TEC 115 Dibble
ARR ARR TBA Dibble

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 \$191.85.

Nurse Delegation

5363 HLSV 132A (2) 8am-5pm Sa TEC 115 Speer

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. **Class meets 2/27.**

Mental Health 1

5364 HLSV 133A (1) 8am-12pm Sa TEC 115 Speer

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. **Class meets 3/6.**

Dementia 1

5365 HLSV 134A (1) 12:30-5pm Sa TEC 115 Speer

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. **Class meets 3/6.**

Emergency Medical Technician

5366 HLSV 160A4 (12) 6-10pm TThSa ARR Layton/Goff

Techniques of emergency medical care presently considered as the responsibilities of a technician in his/her role. Designed to assure a uniformly high level of knowledge and skills among those involved in emergency care. Prerequisite: healthcare provider CPR, instructor permission. Lab fee \$235.16.

NUTRITION

Nutrition (NS)

5589 NUTR& 101AP1 (5) Online Jewell
6114 NUTR& 101BP1 (5) Online Ibrahim

An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. Prerequisite: high school-level biology or chemistry.

OCEANOGRAPHY

Intro to Oceanography (NS)

5590 OCEA& 101AP1 (5) Online Khandro
Meets requirement for lab course.

6221 OCEA& 101BP1 (5) Online Khandro

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)

5615 PHIL& 101AP1 (5) Online Diamant

Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

Introduction to Ethics (H)

5614 PHIL 103AP1 (5) Online Diamant

Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHLEBOTOMY

Intro to Phlebotomy Tech

5616 PHLE 131B3 (5) 7-8:20am Daily WAH 146 Jenkins

Overview of laboratory procedures and regulations for the medical office laboratory. Prerequisite: healthcare provider license, MA, RN, NA-C or instructor permission. Lab fee \$49.62.

PHYSICAL EDUCATION

Lifestyle Mgmt & Exercise (HF)

☞ 5593 P E 120AP1 (2) Online Goss
Designed to assist individual in making life style changes associated with health and fitness.

Stretching & Flexibility (HF)

☞ 5594 P E 121A2 (1) 12-12:50pm TTh Virtual 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)

☞ 5595 P E 123AP1 (1) CANCELED Goss
Designed to condition the musculature of the body using machine and free weights.

Free Weights (HF)

☞ 5596 P E 125AP1 (1) CANCELED Bower
Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience.

Basketball Applications

5597 P E 130A (3) ARR Daily MSG 103 Moir
5598 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)

☞ 5599 P E 142AP1 (1) Online 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.

Yoga (HF)

☞ 5600 P E 150A4 (1) 9-9:50am 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.

Pilates/Core (HF)

☞ 5603 P E 152A5 (1) CANCELED MW Virtual May
An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$3.10.

Beginning Tae Kwon Do (HF)

5606 P E 158N (2) CANCELED 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

5607 P E 159N (2) CANCELED 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

5608 P E 160N (2) CANCELED 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.

Theory of Baseball

5610 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.

Physical Fitness Concepts (HF)

☞ 6106 P E 229AP1 (3) Online McMullan
A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week.

Advanced Basketball Applications

5612 P E 230A (3) ARR Daily MSG 103 Moir
5613 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)

☞ 5618 PHYS& 110AP1 (5) Online Threapleton
☞ 5619 PHYS& 110BP1 (5) Online 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.

Engineering Physics II (NS)

☞ 5620 PHYS& 222AP1 (5) Online Threapleton
Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Prerequisite: PHYS& 221 and MATH& 152 and corequisite: MATH& 153.

Research in Physics (AE)

5617 PHYS 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.

POLITICAL SCIENCE

American Government (SS)

☞ 5621 POLS& 202AP1 (5) Online McCulloch
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)

☞ 5622 POLS& 204A5 (5) 9-10:50am TTh Virtual Peterson
9-9:50am F Virtual Peterson

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)

☞ 5626 PSYC& 100AP1 (5) Online MacNamara
☞ 5627 PSYC& 100BP1 (5) Online MacNamara
☞ 5628 PSYC& 100CP1 (5) Online MacNamara
☞ 5629 PSYC& 100DP1 (5) Online Osawa
☞ 5630 PSYC& 100EP1 (5) Online Osawa

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)

☞ 5631 PSYC& 200AP1 (5) Online MacNamara
☞ 5632 PSYC& 200BP1 (5) CANCELED Osawa

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

☎ 5633 PSYC& 220AP1 (5) Online Starroff

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

☎ 5634 READ 096NP1 (1-5) Online Shriver

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 student's needs. Permission of instructor only.

Improvement of Reading

☎ 5637 READ 099NP1 (1-5) Online Shriver

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.

Speed Reading

☎ 5640 READ 110NP1 (3) Online Shriver

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.

SOCIOLOGY

Intro to Sociology (SS)

☎ 5649 SOC& 101C5 (5) 9-9:50am Daily Virtual Seabert

☎ 5647 SOC& 101AP1 (5) Online Lytle

☎ 5650 SOC& 101DP1 (5) Online Tate

☎ 5651 SOC& 101EP1 (5) Online Bryant

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.

Sociology of the Family (SS)

☎ 6109 SOC 125AP1 (5) Online Bryant

Introduction to the study of the family as a social institution. An overview of social theories and methodological underpinnings will be included.

Social Problems (SS)

☎ 5652 SOC& 201AP1 (5) Online Lytle

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)

☎ 5653 SPAN& 121A5 (5) 1-1:50pm TTh Virtual Martinez

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)

☎ 5655 SPAN& 122B5 (5) 10-10:50am TTh Virtual Gorecki

☎ 5654 SPAN& 122AP1 (5) Online Gorecki

☎ 5656 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)

☎ 5657 SPAN& 222A4 (5) CANCELED Gorecki

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

Career Planning

☎ 5643 SDEV 105A5 (2) 12-12:50pm MT Virtual Rauscher

☎ 5644 SDEV 105B5 (2) ARR ARR Virtual Rauscher

Students identify interests, skills, personality, and values to evaluate their career goals. Activities: interest inventory, personality assessment, resume writing, mock interview, informational interviews, and online career research. Lecture, discussions, and individual projects are included. Lab fee \$26. **Section A5 meets 2/8 – 3/16.**

Student Success

☎ 6169 SDEV 150B5 (2) 12-12:50pm MTTh Virtual Burr

☎ 5646 SDEV 150C5 (2) 12-12:50pm MTTh Virtual Burr

☎ 6210 SDEV 150D5 (2) 5-5:50pm MW Virtual Hafezi

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, financial resources, academic skills, and campus involvement. **Section B5 meets 1/4 – 2/5; section C5 meets 1/4 – 2/5; section D5 meets 2/10 - 3/12.**

WELDING

GMAW Welding

☎ 5661 WELD 1645 (12) 8-8:50am TTh Virtual Hegsted

8am-2:30pm MW 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

☎ 5662 WELD 182N5 (5) 6-6:50pm MW Virtual Hegsted

6-8:30pm TTh TEC 103 Hegsted

Safety, setup, and welding in all positions using gas metal arc and flux cored arc welding equipment. Lab fee \$73.78

Adv. Gas Shielded Arc Welding

☎ 5663 WELD 267A5 (12) 8-8:50am MW Virtual Peters

8am-2:30pm TTh 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

Snowshoeing

☐ 5110 ASI 012R3 (1) 9am-4pm Sa MOR Johnson
☐ 6125 ASI 012S3 (1) 9am-4pm Sa MOR 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. Lab fee \$5. **Required orientation 1/11/21 at 7pm; with section S3 meeting 2/6; section R3 meeting 2/27.**

BACHELOR OF APPLIED SCIENCE

Acctg Prin for Mgrs

☞ 5089 ACCT 310A5 (5) 9-10:50am M Virtual Crawford
+3 hours/week TBA

☞ 5090 ACCT 310BP1 (5) Online Crawford
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.

Audit & Fraud

☞ 5091 ACCT 402AP1 (5) Online Brodersen
This course is designed to teach the audit environment of professional financial accounting and reporting as it applies to fraud and internal controls. Prerequisite: ACCT& 202 or permission.

Prof. & Org. Comm (H)

☞ 6136 CMST 330AP1 (5) Online McQuarrie
Foundation course designed to develop effective written and verbal communication skills in organizational settings. Students will gain an appreciation for the crucial role communication plays in organizations and how to improve their employability.

Material Science of Fluids

☞ 5257 DET 325A3 (5) **CANCELED** 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 BASDT or by permission. Lab fee \$100.

Regulatory Issues

☞ 5258 DET 335A3 (5) **CANCELED** Lipp
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.

Hydraulics II

☞ 5259 DET 435A3 (5) Online Lucas
7am-12:50pm MT **TEC 159** Lucas

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 2/8 – 3/16.**

Combustion Engine Fuels

☞ 5260 DET 445A3 (5) Online Lucas
7am-12:50pm MT **TEC 159** 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 1/4 – 2/4.**

Managerial Economics (SS)

☞ 5269 ECON 305A5 (5) 10-11:50am F Virtual Rodriguez L
+3 hours/week TBA

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

☞ 5273 EDUC 315N5 (5) 7-8:50pm Th **Virtual** 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 in BAS-TE program or administrator approval. **Students meet with instructor using ZOOM.**

Issues of Abuse

☞ 5274 EDUC 351N5 (3) 5-6:20pm T Virtual Jager
+1 hour/week TBA

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. Prerequisite: admittance into BAS-TE program or administrator approval. Students will attend class sessions online at set times and days using Zoom.

Emergent Reading

☞ 5275 EDUC 355N3 (5) 5-6:50pm T Virtual Douay

Explores reading, comprehension, and literacy as it pertains to beginning readers. Prerequisite: admittance into BAS-TE program or administrator approval. Students will attend class sessions online at set times and days using Zoom.

Assessment and Evaluation

☞ 5276 EDUC 360N5 (5) 5-6:50pm Th **Virtual** Grande
+3 hours/week TBA

Participants will explore principles of sound formative and summative assessment using grade level expectations, best grading practices, technology platforms, and individual education plans as tools. Participants will design assessments for individual needs of students in classrooms. Prerequisite: admittance into BAS-TE program or administrator approval. **Students meet with instructor using ZOOM.**

Practicum 2

☞ 5277 EDUC 482N5 (2) 7-7:50pm T Virtual Smith
+1 hour/week TBA

While participants spend 33 hours in the field, they will apply principles of sound formative and summative assessment using grade level expectations, best grading practices, technology platforms, and individual education plans as tools. Prerequisite: admittance into BAS-TE program or administrator approval; EDUC 360. Lab fee \$68.60. Students will attend class sessions online at set times and days using Zoom.

Student Teaching Elem 1

☞ 5278 EDUC 497AP1 (10) Online Grande
Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned. Prerequisite: Admittance into BAS-TE program or administrator approval; ENGL& 102; 2.0 or higher in EDUC 300, 330, 345, 350, 355, 370, 400, 410, 420, and 421. Lab fee \$68.60.

Ethics (H)

☞ 5456 HUM 315A5 (5) 9-10:50am W Virtual Copeland
+3 hours/week TBA

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.

Software Engineering I

☞ 5462 I T 330A5 (5) 11am-12:50pm MW **Virtual** 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 Database Design

☞ 5463 I T 350A5 (5) 2-3:50pm MW **Virtual** Harlan

Class will focus on data models, entities, normalization/denormalization, SQL, stored procedures, and general design. MS SQL Server is used for the class. Includes survey of other modern database systems such as NOSQL and Postgres. Requisite: admittance into BAS program or administrator approval. Lab fee \$50.

Adv Data Access Techniques

6215 | T 410A5 (5) 12-12:50pm MT Virtual Hagen
This course examines utilization of advanced database systems such as NOSQL systems, dimensional cubes and hypercubes (OLAP), ODBC connections, and relational database systems for data analysis and development of data driven applications. Prerequisite: IT 350 or permission of instructor.

Business Intelligence App

5464 | T 420A3 (5) CANCELED Hagen
Students gain practical experience and skills to develop business intelligence solutions. Students will create reports, dashboards, setup 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.

Current Topics in Computing

6216 | T 435A5 (5) 1-2:50pm TTh Virtual Hagen
A course in emerging topics on computing. Course includes current industry changes, new development trends, game development trends, skills, and knowledge pertinent to the technology/occupation and relevant to the professional development of the student. Prerequisite: IT 301 or instructor permission. Lab fee \$50.

Internship 2

5465 | T 450A3 (5) CANCELED Staff
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)

5516 MATH 350A5 (5) 10-11:50am W Virtual Kiekel
+3 hours/week TBA
5517 MATH 350N5 (5) 5-6:50pm T Virtual Kiekel
+3 hours/week TBA

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

Practicum in Management

5532 MGMT 370A5 (5) 9-10:50am T Virtual King
+3 hours/week TBA
5533 MGMT 370N5 (5) 7-8:50pm T Virtual Staff

This course will explore and build student comprehension of the application of management functions covered in BAS-AM courses via direct interaction between students and local managers and entrepreneurs from private, public and non-profit sectors.

Project Mgmt Application

5534 MGMT 410A5 (5) 9-10:50am M Virtual Burger
+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.

Operations Management

6120 MGMT 435N5 (5) 6-7:50pm Th Virtual Burger
+3 hours/week TBA

Introduction to the key ideas and techniques used to plan, analyze, measure and improve an organization's production of goods and services. Topics explored include process/system modeling, product design/quality, inputs, processes, supply-chains, inventory, and people management. Prerequisite: enrollment in BAS-AM or by permission.

Leadership & Org. Behavior (SS)

6124 PSYC 320AP1 (5) Online MacNamara
Relate theory and research to organizational problems by reviewing advanced concepts in motivation, perception, leadership, decision-making, communication and influence, group behavior, diversity, conflict and cooperation, politics, corporate culture, organizational structure, and environmental influences.