

Winter 2017

Advising Schedule



Winter quarter classes begin January 3, 2017.

Check our website for current class schedule information: <http://www.centralia.edu/academics/courses.html>

SCHEDULE KEY

☞ Class has online component(s)

☐ Evening courses

☐ Class is offered at Centralia College East in Morton

Class section codes:

1 = Class is fully online

2 = Class is other

3 = Class is hybrid (some class time replaced with online activities)

4 = Class is web enhanced (some class resources, files or activities are online)

5 = Class is flexible (students choose to attend class online, in the classroom or any combination)

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

COURSE DISTRIBUTION

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

Diversity

Courses designated with a "(D)" focus on experiences of people traditionally under-represented in American history. At least one D-course is required for an Associate Degree. Some are only offered once a year. See course descriptions for more details. Diversity courses offered WINTER quarter 2017:

ANTH& 206A	(5)	Cultural Anthropology (SS)(D)	9-9:50am/Daily
ANTH& 206B	(5)	Cultural Anthropology (SS)(D)	12-12:50pm/Daily
ANTH& 210AP1	(5)	Indians of North America (SS)(D)	Online
ART 201A4	(5)	Art History: 15th-17th C (D) (H)	11-11:50am/Daily
CHIN& 121A4	(5)	Chinese I (D) (H)	12-12:50pm/Daily
CMST 104A4	(3)	Racism, Sexism and the Media (D)(H)	12-12:50pm/MWF
MUSC 139A	(5)	Music of the World (H)(D)	9-9:50am/Daily
ENGL 260A3	(5)	Non-Western World Literature (H)(D)	11-11:50am/Daily
MUSC& 105AP1	(5)	Music Appreciation (D) (H)	Online
MUSC& 105BP1	(5)	Music Appreciation (D) (H)	Online
POLS& 204A		Comparative Government (SS) (D)	9-9:50am/Daily

ADULT BASIC EDUCATION

Adult Basic Education Orientation

Required orientation 10-10:50am MTWTh Kirk Library

All ABE students need to attend an orientation.

English as a Second Language

Required orientation 6-6:50pm TW Kirk Library

For daytime appointments, information is available at the Testing Center Desk by calling 360-736-9391, ext. 216.

ABE orientation and registration appointments can also be made at Centralia College East in Morton by calling 360-736-9391, ext. 380 or 360-496-5022.

Adult High School Diploma (HS21+)

Required orientation 12-12:50pm MTWTh Kirk Library

All students take reading, writing, and math classes. They also attend a study skills lab, where they finish the classes that are not on their transcripts.

GED 2014

Required orientation 12-12:50pm Daily Kirk Library

All GED students take reading, writing, and math classes. They also attend a study skills lab, where they study social studies and science.

Work Skills Development

Required orientation 12-12:50pm W Kirk Library

Students with a high school diploma or GED can take work skills development classes to prepare for job training programs or for entering the job market.

Basic Skills Improvement

Required orientation 5-8:45pm MTWTh Kirk Library

Students with a high school diploma or GED, can brush-up on their reading, writing, and math.

Reading for Civics

Required orientation ARR ARR Kirk Library

Citizenship preparation class, students' practice reading, writing, speaking, and listening in English. Students may register any time during the quarter by attending an ESL orientation. Students must also enroll in ESL classes.

ACCOUNTING

Practical Accounting I

☞☐ 5066 ACCT 110S4 (3) 5:30-6:20pm MTW MOR 101 Langrell

☐☞ 5067 ACCT 110SE4 (3) ARR MTW MOR 101 Langrell

Emphasizes fundamental principles of double-entry accounting as applied to bookkeeping systems. The course focuses on the development of the accounting cycle for small businesses and professional organizations.

Practical Accounting II

☞ 5068 ACCT 120A4 (3) 8-8:50am MWF WAH 205 Smejkal

☐☞ 6221 ACCT 120S4 (3) 5:30-6:20pm MTW MOR 101 Langrell

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.

Financial Reporting

☞ 5069 ACCT 200AP1 (5) Online Brown T

This course emphasizes the fundamentals of double-entry accounting and the preparation of financial statements for business entities. Topics include, but are not limited to, accounting for assets, liabilities, equity, revenue and expenses. Prerequisite: compass minimum score of MATH 096 or evidenced score entrance equivalent.

Prin of Accounting I

☐☞ 5076 ACCT& 201S4 (5) 6:30-8pm MTW MOR 101 Langrell

☐☞ 5077 ACCT& 201SE4 (5) ARR MTW MOR 101 Langrell

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

Prin of Accounting II

☞ 5078 ACCT& 202A4 (5) 12-1:30pm MWF WAH 113 Rabe O

☞ 5079 ACCT& 202B5 (5) Flexible Rabe O

☐☞ 6199 ACCT& 202S4 (5) 6:30-8pm MTW MOR 101 Langrell

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

☞ 5080 ACCT& 203A3 (5) 12-12:50pm MWF WSC 109 Brown T

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

Acctg Info Systems

☎ 5070 ACCT 220AP1 (5) Online Mecham

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

Business Entity Tax

☎ 5072 ACCT 240A4 (5) 1-3:20pm TTh WAH 105 Rabe O
 ☎ 5073 ACCT 240B5 (5) Flexible Rabe O

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

☎☎ 6222 ACCT 260S4 (5) 4:30-5:50pm MTW MOR 101 Langrell

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

Legal

☎ 6195 ACCT 291N3 (1) ARR ARR ARR Rabe O

Examines business professional ethic and legal requirement topics as needed to apply that knowledge. Third in a 5-part series in preparation for the Washington State CPA Exam in cooperation with Becker Professional Education. **Class meets 1/9 - 1/23.**

Tax

☎ 6196 ACCT 294NP1 (4) Online Rabe O

Examines taxation process as it applies to individuals, business, and non-profit entity topics and the skills needed to apply that knowledge. Second in a 5-part series in preparation for the Washington State CPA Exam in cooperation Becker Professional Education. **Class meets 1/30 - 3/20.**

AMERICAN SIGN LANGUAGE**American Sign Language II**

☎ 5100 ASL& 122A4 (5) 12-2:20pm TTh WSC 109 Rogers
 ☎ 6118 ASL& 122B4 (5) 2:30-4:50pm TTh WSC 109 Rogers

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

ANTHROPOLOGY**Cultural Anthropology (SS)(D)**

5081 ANTH& 206A (5) 9-9:50am Daily WSC 121 Van Alstyne
 5082 ANTH& 206B (5) 12-12:50pm Daily WSC 208 Van Alstyne

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.

Indians of North America (SS)(D)

☎ 5083 ANTH& 210AP1 (5) Online Medlin

Investigate cultural systems of beliefs, behaviors and technology practiced by native North American peoples. Learn about subsistence patterns, exchange and trading relationships, marriage and the family, political organization, the life cycle, religion, belief and knowledge.

ART**Art Appreciation (H)**

☎ 5091 ART& 100AP1 (5) Online Frey
 ☐ 6197 ART& 100R (5) 11:30am-2:20pm W MOR 101 Cantin

Introduction to the visual arts. Painting, drawing, sculpture and architecture will be examined as art forms and for their role in human history. Students will be introduced to a variety of art media and techniques.

Drawing I (H)

☎ 5084 ART 102A4 (5) 1-3:50pm MW WAH 116/108 Solomon

Study the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Lab fee \$8.96.

Drawing II

☎ 5085 ART 103A4 (5) 1-3:50pm MW WAH 116/108 Solomon

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 \$8.96.

Drawing III

☎ 5086 ART 104A4 (5) 1-3:50pm MW WAH 116/108 Solomon

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 \$8.96.

Sculpture

☎ 6126 ART 111A3 (4) 1-2:50pm TTh WAH 116 Frey

This course is an introduction to the fundamentals of three dimensional design. Assignments include a variety of subject matter and materials. All are welcome.

Computer Graphics (H)

☎ 6120 ART 130A3 (5) 9-9:50am Daily WAH 209 Solomon

An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$50.

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

☎ 5090 ART 201A4 (5) 11-11:50am Daily WSC 213 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.

Computer Graphics 2

☎ 6100 ART 230A3 (5) 10-10:50am Daily WAH 209 Solomon

A holistic approach to art creation on computers with an emphasis on preparing that art for different modalities such as videogames, films and fine art. Students will learn intermediate techniques in image editing applications and study the basic design theory behind these programs. A working knowledge of Photoshop and Illustrator is required. Students will become comfortable using multiple applications to finish a single image. Students will be introduced to 3D modeling and rendering applications. Class will include a final project with a 3D print of a model. Pre/Corequisite: ART 130. Lab fee \$50.

Tribal Art & Rhythms

☞ 6105 ART 297R (2) 11:30am-2:20pm W MOR 101 Cantin
Discover and explore the visual art of the indigenous peoples of the world through slide lectures, seminars, and creative hands-on art activities, including Afro-Cuban rhythms, mask-making and festival projects. This three-hour art workshop is designed for adults of all artistic abilities and experience. Our special focus will be the art and cultures of Africa, Oceania, and the Americas, and their influence on the contemporary art of today.

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

☞ 5101 ASTR 127N3 (5) 5-6:50pm Th WSC 208 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 (S)

☞ 5102 ASTR 128N3 (2) 7-8:50pm Th WSC 208 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**Survey of Biology (S)**

☞ 5102 BIOL& 100A4 (5) 8-8:50am MTWTh WSC 111 Jewell
1-2:50pm T WSC 303 Jewell

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

Human Biology (S)

☞ 5108 BIOL& 170A4 (5) 10-10:50am Daily WAH 103 Jewell
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

☞ 5103 BIOL 172A4 (1) 1-2:50pm Th WSC 314 Jewell
Investigate the structure and function of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 170. Lab fee \$18.46.

Majors Cell/Molecular (S)

☞ 5109 BIOL& 222A4 (5) 11-11:50am MTWTh WSC 108 Norton
2-3:50pm Th WSC 303 Norton
☞ 5110 BIOL& 222B4 (5) 11-11:50am MTWTh WSC 108 Norton
4-5:50pm Th WSC 303 Norton

Metabolism and energetics, structure and function of biomolecules, Mendelian and molecular genetics, biotechnology, cell structure and function. Second course in a three-quarter series (BIOL& 221, 222, and 223). Prerequisites: HS biology or BIOL& 100; CHEM& 121 or CHEM& 161 recommended. Lab fee \$20.96.

Human A & P I (S)

☞ 5111 BIOL& 241N3 (5)	6-6:50pm	W	WSC 215	Norton
	5-6:50pm	M	WSC 314	Norton
☞ 6273 BIOL& 241A3 (5)	6-6:50pm	W	WSC 215	Norton
	3-4:50pm	M	WSC 314	Norton

Investigate interactions between structure (anatomy) and function (physiology) essential for human health. Investigate organization and function of macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nervous system and the brain. Prerequisite: HS biology and chemistry or BIOL& 100 or BIOL& 170 and CHEM& 121. Lab fee \$18.46.

Human A & P II (S)

☞ 5112 BIOL& 242A4 (5)	12-12:50pm	MTWTh	WSC 121	Norton
	2-3:50pm	T	WSC 314	Norton
☞ 5113 BIOL& 242B4 (5)	12-12:50pm	MTWTh	WSC 121	Norton
	2-3:50pm	W	WS 0314	Norton
☞ 5114 BIOL& 242C4 (5)	12-12:50pm	MTWTh	WSC 121	Norton
	4-5:50pm	T	WSC 314	Norton

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

Research in Biology

5104 BIOL	270A	(12)	ARR	ARR	ARR	Norton
5105 BIOL	270B	(12)	CANCELED			
5106 BIOL	270C	(12)	ARR	ARR	ARR	Jewell

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

BUSINESS ADMINISTRATION**Intro to Business**

☞ 5156 BUS& 101AP1 (5) Online Smejkal
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 Math

☞ 5151 BUS 121A3 (5) 11-11:50am MWF NRA Rath
Surveys the commercial application of mathematics designed to assess and analyze business activities and their effect on cost, profitability and overall performance. Prerequisite: MATH 096 or equivalent test score.

Business Law

☞ 5157 BUS& 201AP1 (5) Online Jasper
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.

Principles of Finance

☞ 5153 BUS 215AP1 (5) Online Rath
An introduction to the sources and uses of funds in a business. Focuses on ratio analysis, cost-volume-profit analysis, business valuation, and the relationship between risk and rate of return. Emphasizes the managerial implications of financial risk. Prerequisite: ACCT& 201, BUS 121 or instructor permission.

Principles of Management

☞ 5155 BUS 275A3 (5) 11-11:50am MWF WAH 109 McClain
 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**

☞ 5117 BTEC 101A3 (3) 9-9:50am Daily WAH 207 Copeland
 ☞ 5118 BTEC 101B4 (3) 11-11:50am Daily WAH 207 Vandegrift
 ☐ 5119 BTEC 101R (3) 12-2:30pm TTh MOR 112 Cantin
 ☐ 5120 BTEC 101RE (3) ARR TTh MOR 112 Cantin

For beginning students. Learn to keyboard to 25wpm by touch. Develop speed, accuracy and apply basic word processing techniques to letters, reports and tables.

Keyboard Skillbuilding I

☞ 5121 BTEC 102A3 (3) 9-9:50am Daily WAH 207 Copeland
 ☞ 5122 BTEC 102B4 (3) 11-11:50am Daily WAH 207 Vandegrift
 ☐ 5123 BTEC 102R (3) 12-2:30pm TTh MOR 112 Cantin
 ☐ 5124 BTEC 102RE (3) ARR TTh MOR 112 Cantin

Individualized skillbuilding program for increasing keyboarding speed and improving accuracy. Upon completion of this course, students should be able to type at a minimum of 35wpm with no more than one error per minute. Prerequisite: BTEC 101 and typing at 35wpm or instructor permission.

Business English

☞ 5125 BTEC 110A4 (5) 11-11:50am Daily WAH 205 Shultz
 Editing skills including grammar, punctuation, proofreading, and spelling for office correspondence. A basis for machine transcription, business communication, and office procedures.

Records Confidentiality-HIPAA

☞ 5126 BTEC 160AP1 (1) Online Copeland
 Overview of general confidentiality considerations and specific rules of the 1996 HIPAA law for health care/mental health professions. Explains and illustrates the law, with extensive review of security/privacy of patient information and records. Corequisite: keyboarding skill, medical terminology. Lab fee \$25.

Cooperative Work Experience

☞ 5127 BTEC 190A4 (12) ARR ARR Copeland
 See description under Cooperative Work Experience heading.

Work Experience Seminar

☐☞ 5129 BTEC 191R4 (1) ARR T MOR 112 Cantin
 ☞ 5128 BTEC 191AP1 (1) Online Copeland

Topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Co-op Work Experience.

Microsoft Outlook

☞ 6148 BTEC 205A3 (1) 12-12:50pm Th WAH 205 Shultz
 This course uses Microsoft Outlook for e-mail, scheduling meetings, maintaining appointment calendars, managing contacts, and tasks.

Word I

☞ 5130 BTEC 210A3 (5) 9-9:50am Daily WAH 205 Shultz
 ☐ 5131 BTEC 210R (5) 12-2:30pm TTh MOR 112 Cantin
 ☐☞ 5132 BTEC 210RE4 (5) ARR TTh MOR 112 Cantin

Class covers Word in depth: document preparation, formatting, graphics, WordArt, columns, sorts, charts, mail merge, and styles. Students will format business documents to business standards. Prerequisite: keyboard speed of 35wpm or instructor permission.

Access I

☞ 6149 BTEC 212A3 (3) 12-12:50pm MWF WAH 207 Copeland
 ☐ 5133 BTEC 212R (3) 2-4pm TTh MOR 112 Cantin
 ☐☞ 5134 BTEC 212RE4 (3) ARR TTh MOR 112 Cantin

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 30wpm, Word I and Excel or instructor permission. Lab fee \$10.69.

Excel

☞ 5135 BTEC 214A3 (5) 1-1:50pm MTWTh WAH 205 Alves
 ☐ 5137 BTEC 214R (5) 11:30am-1:30pm TTh MOR 112 Cantin
 ☐☞ 5138 BTEC 214RE4 (5) ARR TTh MOR 112 Cantin
 ☞ 5136 BTEC 214BP1 (5) CANCELED

A hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Prerequisite: word processing, windows, keyboard skills.

Desktop Publishing

☐ 5139 BTEC 218R (4) 12:30-2:30pm TTh MOR 112 Cantin
 ☐☞ 5140 BTEC 218RE4 (4) ARR TTh MOR 112 Cantin

Course covers desktop publishing terminology and concepts to plan, create, and design professional-looking businesses and personal documents. Prerequisite: Word, keyboard speed of 35wpm.

Word II

☐ 5141 BTEC 219R (4) 1:30-3:00pm TTh MOR 112 Cantin
 ☐☞ 5142 BTEC 219RE4 (4) ARR TTh MOR 112 Cantin

Course covers footnotes, endnotes, citations, bibliographies, table of contents, indexes, linked textboxes, multilevel lists, building blocks, fill-in forms, macros, outlines, Quick Parts, templates formal reports. Prerequisite: Word 1, keyboard speed of 35wpm.

Ten-Key Calculator

☞ 5143 BTEC 220A4 (1) 10-10:50am MW WAH 111 Vandegrift

Touch control of 10-key pad with emphasis on speed and accuracy. Addition, subtraction, multiplication, and division techniques used in solving business problems. Basic or Business Math recommended first. Lab fee \$7.15.

Business Communications

☞ 5144 BTEC 221A4 (5) 10-10:50am Daily WAH 207 Copeland
 Applying principles of effective communication in written and oral business communication: letters, memos, reports, and presentations. Upon completion students should be able to produce effective positive, negative, and routine letters, memos, and reports and graphs. Prerequisite: BTEC 110, ENGL& 101, or instructor permission.

Microsoft Office-PowerPoint Module

☞ 6150 BTEC 222A3 (1) CANCELED
 6208 BTEC 222A (1) 12-12:50pm T WAH 205 Shultz
 ☐ 5145 BTEC 222R (1) 12:30-2:30pm T MOR 112 Cantin
 ☐ 5146 BTEC 222RE (1) ARR T MOR 112 Cantin

An introduction to Microsoft PowerPoint. Upon completion of this course students should have beginning knowledge of a presentation program. Prerequisite: keyboard speed of 35wpm, Windows Workstations OS or instructor permission.

Filing

☞ 5147 BTEC 233A4 (3) 12-12:50pm MWF WAH 205 Shultz

Basic principles and procedures of records storage and management. Practice indexing, coding, and filing for alphabetic, numeric, subject, geographic filing systems, and introduction to forms design.

Insurance and Billing

☞	5148 BTEC	255A3 (5)	1-1:50pm	MTWTh	WAH 207	Copeland
☞	5149 BTEC	255B3 (5)	CANCELED			

Introduction to major insurance program information and federal healthcare legislation. Exploration of health insurance guidelines and the knowledge and skills required for billing and reimbursement. Includes hands-on practice with simulated billing software. Prerequisite: BTEC 260.

Medical Terminology

☞	5150 BTEC	260A4 (4)	10-10:50am	MTWTh	WAH 212	McClain
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Development of a medical vocabulary with emphasis on definition and spelling. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning, and understand basic medical terminology.

CHEMICAL DEPENDENCY**Treatment in Groups**

☞	5161 CDP	210AT4 (4)	10-11:20am	TTh	MSG 106	Stepp
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Group-counseling theory as applied to alcohol and drug treatment. Inpatient and outpatient treatment using groups to foster change and growth. Dynamics, interaction, composition, goals, managing tasks, role and normative boundaries, and skill practice. Prerequisite: CDP 100.

Chemical Dependency & Family

☞	5162 CDP	220AT3 (4)	1-3:30pm	F	WSC 211	Rabe S
☞	6133 CDP	220RT3 (4)	1-3:30pm	F	MOR 110	Rabe S

Family therapy: structural, functional and systems approaches of the chemically dependent family. Issues related to family stages of adaptation to chemical dependency, family roles, children and adult children of alcoholics. Emphasis: support, treatment and prevention. Prerequisite: CDP 100.

CDP Cultural Diversity

☞	5163 CDP	230AT4 (3)	1-2:20pm	TTh	WSC 211	Bailey
☞	6134 CDP	230RT4 (3)	1-2:20pm	TTh	MOR 110	Bailey

A course of study designed to improve knowledge and skills of chemical dependency professionals working with clients from diverse culture backgrounds. Prerequisite: CDP 100.

Relapse Prevention

☞	5164 CDP	240AT4 (2)	12-12:50pm	TTh	WSC 211	Bailey
☞	6135 CDP	240RT4 (2)	12-12:50pm	TTh	MOR 110	Bailey

Dynamics of post-acute withdrawal, relapse versus reoccurrence, and issues of relapse pertaining to the disease of addiction and the reuse of drugs after treatment as a separate and distinct episode not associated with treatment failure. Prerequisite: CDP 100.

Community Prevention

☞	5165 CDP	250AT3 (3)	12-12:50pm	MF	WSC 211	Stickley
			+1 hr week/TBA			
☞	6136 CDP	250RT3 (3)	12-12:50pm	MF	MOR 110	Stickley
			+1 hr week/TBA			

Child and adolescent alcohol and drug abuse prevention. Discuss the history of prevention, research, community needs assessments and best/promising prevention practices. Design and evaluate an effective prevention program. Prerequisite: CDP 100.

CHEMISTRY**Introduction to Chemistry (5)**

☞	5215 CHEM& 121A4 (5)	11-11:50am	MTWTh	WSC 121	Nagelkerke
		1-2:50pm	W	WSC 308	Nagelkerke
☞	5216 CHEM& 121B4 (5)	11-11:50am	MTWTh	WSC 121	Nagelkerke
		3:20-5:10pm	W	WSC 308	Nagelkerke
☞	5217 CHEM& 121C4 (5)	11-11:50am	MTWTh	WSC 121	Nagelkerke
		1-2:50pm	Th	WSC 308	Nagelkerke

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.

General Chem w/lab I (5)

☞	5218 CHEM& 161A4 (6)	10-10:50am	MTWTh	WSC 109	Goodwin K
		1-4:50pm	T	WSC 302	Goodwin K

First quarter of a 1-year course of general chemistry for science and engineering majors: Atoms, molecules and ions; stoichiometry; aqueous solution reactions; gases; energy; electronic structure; periodic table. Prerequisite: CHEM& 121 or HS chemistry AND MATH 099. Lab fee \$27.46.

General Chemistry w/lab II (5)

☞	5219 CHEM& 162A4 (6)	10-10:50am	MTWTh	WSC 121	Nagelkerke
		1-4:50pm	M	WSC 308	Nagelkerke
☞	5220 CHEM& 162B4 (6)	10-10:50am	MTWTh	WSC 121	Nagelkerke
		1-4:50pm	T	WSC 308	Nagelkerke

The periodic table, chemical bonding, introduction to organic chemistry, intermolecular forces and liquids and solids, physical properties of solutions and kinetics. Prerequisite: CHEM& 161, MATH 099 or equivalent. Lab fee \$27.69.

Organic Chemistry w/lab II

☞	5221 CHEM& 262A4 (6)	12-12:50pm	MTWTh	WSC 215	Goodwin K
		1-4:50pm	W	WSC 302	Goodwin K

Complex organic reactions: alkenes; alkynes; aromatics, aldehydes, ketones. Spectroscopy. Prerequisite: CHEM& 261 or equivalent. Lab fee \$26.88.

Research in Chemistry

	5213 CHEM	270A (12)	ARR	ARR	ARR	Nagelkerke
	5214 CHEM	270B (12)	ARR	ARR	ARR	Goodwin K

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.

CHILD & FAMILY STUDIES**Learning and Playing**

☞	5168 CFS	110MOR(1-2)	9:30-11:30am	Th	MOR	Hanson
	5167 CFS	110ELL (1-2)	ARR	ARR	ARR	Burkhart

Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities. Lab fee \$11.

Learning with Infants and Toddlers

	5169 CFS	121A (2)	10-11:50am	W	ARR	Hastings
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Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities, music, discussion and art.

Positive Parenting Children in Childcare

☞	5172 CFS	131AP1 (1-4)	ARR	ARR	ARR	Miller
☞	5199 CFS	141AP1 (1-4)	ARR	ARR	ARR	Miller
☞	5207 CFS	151AP1 (1-4)	ARR	ARR	ARR	Miller

Positive Parenting Children in ECEAP

	5173 CFS	131BEC (1-4)	ARR	ARR	ARR	Martin
	5200 CFS	141BEC (1-4)	ARR	ARR	ARR	Martin
	5208 CFS	151BEC (1-4)	ARR	ARR	ARR	Martin
	5175 CFS	131CEC (1-4)	ARR	ARR	CDC	Chapman
	5201 CFS	141CEC (1-4)	ARR	ARR	CDC	Chapman
	5209 CFS	151CEC (1-4)	ARR	ARR	CDC	Chapman
	5177 CFS	131CHE (1-4)	ARR	ARR	ARR	Osborne
	6110 CFS	141CHE (1-4)	ARR	ARR	ARR	Osborne
	5192 CFS	131SEC (1-4)	ARR	ARR	ARR	Scannell
	6111 CFS	141SEC (1-4)	ARR	ARR	ARR	Scannell

Positive Parenting Children in Head Start

	5182 CFS	131H (1-4)	ARR	Daily	CEN	Hood
	5203 CFS	141H (1-4)	ARR	Daily	CEN	Hood
	6236 CFS	151H (1-4)	ARR	Daily	CEN	Smith

Positive Parenting in Cooperative Preschool

	5202 CFS	141FDL (1-4)	ARR	ARR	CEN	Chapman
	5210 CFS	151FDL (1-4)	ARR	ARR	CEN	Chapman
	5179 CFS	131FDL (1-4)	ARR	ARR	ARR	Chapman
☐	5186 CFS	131MOR(1-4)	ARR	ARR	MOR	Hanson
☐	5204 CFS	141MOR(1-4)	ARR	ARR	MOR	Hanson
☐	5211 CFS	151MOR(1-4)	ARR	ARR	MOR	Hanson
	5191 CFS	131ROC (1-4)	ARR	ARR	ROC	Chapman
	5205 CFS	141ROC (1-4)	ARR	ARR	ROC	Chapman
	5212 CFS	151ROC (1-4)	ARR	ARR	ROC	Chapman

Positive Parenting as a Grandparent

	5180 CFS	131GAP (1-4)	6-7:50pm	M	HFL	Rearden
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Positive Parenting with Children in Social Skills

	5195 CFS	131SSK (1-4)	10-11:30am	Sa	HFL	Quinlan
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Strengthening Families in Positive Parenting

	5194 CFS	131FW (1-4)	ARR	ARR	CEN	Mendez
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Positive Parenting in Recovery

	5190 CFS	131REC (1-4)	ARR	ARR	ARR	Osborne
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Training in Positive Parenting Skills - T.I.P.S.

	5185 CFS	131M (1-4)	5:30-7:30pm	TTh	HFL	Osborne
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Positive Parenting with Love and Logic

	5183 CFS	131LLW (1-4)	ARR	ARR	WIN	Kinnaman
			ARR	ARR	WIN	Morlin

Positive Parenting Incredible Years

	5188 CFS	131PIY (1-4)	CANCELED			
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Dynamic Dads Positive Parenting

	5178 CFS	131DAD (1-4)	9-11:50am	Sa	TEE 103	Kauano
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Parents & Adolescents

	6131 CFS	131NHS (1-4)	CANCELED			
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Guiding Good Choices

	6130 CFS	131GGC (1-4)	CANCELED			
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CHINESE**Chinese I (D) (H)**

☞	5222 CHIN&	121A4 (5)	12-12:50pm	Daily	WSC 210	Wynder
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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)

☞	5223 CHIN&	122A4 (5)	11-11:50am	Daily	WSC 210	Wynder
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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)

☞	5224 CHIN&	222A4 (5)	1-1:50pm	Daily	WSC 210	Wynder
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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.

COMMUNICATION STUDIES**Introduction to Mass Media (H)**

☞	5236 CMST&	102A4 (5)	11-11:50am	Daily	WAH 103	Fisher
☞	5237 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)

☞	5234 CMST	104A4 (3)	12-12:50pm	MWF	WAH 115	Fisher
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Examine issues of race and gender in the media from both an historical and a current perspective.

Public Speaking (H)

☞	5238 CMST&	220A4 (5)	8-8:50am	Daily	WSC 213	McQuarrie
☞	5239 CMST&	220B4 (5)	9-9:50am	Daily	WSC 213	McQuarrie
☞	5240 CMST&	220C4 (5)	11-11:50am	Daily	WSC 204	Williams M
☞	5241 CMST&	220D4 (5)	12-12:50pm	Daily	KMP 104	McQuarrie

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

COMMUNICATIONS**Dragon NaturallySpeaking**

	5243 COMM	100A (2)	8-8:50am	T	WSC 101	Hoel
☞	5244 COMM	100BP1 (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.

COOPERATIVE WORK EXPERIENCE

Cooperative Work Experience

□ 5245 COOP 190RE (12) ARR ARR MOR Barnes

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

CRIMINAL JUSTICE

Intro to Law Enforcement

☎ 5225 CJ 104A3 (5) 9-9:50am MTWTh WAH 105 Gilbertson
☎ 5226 CJ 104BP1 (5) Online Belden

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

☎ 5227 CJ 107A3 (5) 10-10:50am MTWTh WAH 105 Gilbertson

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.

Criminal Law

☎ 5233 CJ& 110AP1 (5) Online Belden

A broad survey of the common criminal laws and statutes of Washington and the other 49 United States. Pre/corequisite: CJ& 101 or instructor permission.

Criminal Justice Ethics

☎ 6151 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.

Community Corrections

☎ 6152 CJ 116AP1 (5) Online Belden

Community corrections, alternative sentencing, intermediate sanctions, probation and diversion concepts studied. Explores technology innovations pertaining to community supervision. Pre/corequisite: CJ& 101 or instructor permission.

Homicide Investigation

☎ 5229 CJ 126N3 (5) **CANCELED**

Tactics, procedures, and forensic techniques of homicide investigation are examined. Various tools and processes systematically employed to identify, arrest, and convict perpetrators are studied. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.44.

Intro to Victimology

☎ 5230 CJ 129A3 (5) 12-1:50pm MW WAH 111 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

☎ 5231 CJ 224A3 (5) 11-11:50am MTWTh 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

5246 DET 102A (1) 8am-5pm Sa TEC 104 Fay
5247 DET 102B (1) 8am-5pm Sa TEC 104 Fay

A comprehensive classroom training along with practical, hands-on instruction on forklift operation and safety. Course covers state and federal regulations and proper operator training. Students are awarded a certification card upon successful completion. Prerequisite: DET 100. Lab fee \$40.

Mobile Electrical Systems I

☎ 5248 DET 110A3 (7) 8-8:50am MTWTh TEC 104 McCarthy
10am-2:30pm MTWTh TEC 106 McCarthy

The exploration and application of fundamental principles of direct current electrical systems found on mobile equipment. Prerequisite: DET 100 or instructor permission. Lab fee \$85.69.

Class meets 1/3 - 2/2.

Mobile Hydraulic Systems

☎ 5249 DET 130A3 (7) 8-8:50am MTWTh TEC 104 Conrad/McCarthy
10am-2:30pm MTWTh TEC 106 Conrad/McCarthy

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. Lab fee \$68.01. **Class meets 2/6 - 3/16.**

Power Transmission II

☎ 5250 DET 210A3 (7) 9-9:50am MTWTh TEC 104 Conrad
10am-2:30pm MTWTh TEC 106 Conrad

The study of power shift and automatic transmissions as used in diesel powered equipment. Prerequisite: DET 125. Lab fee \$85.69. **Class meets 2/6 - 3/16.**

Heavy-Duty Chassis Systems

☎ 5251 DET 225A3 (7) 9-9:50am MTWTh TEC 104 Lucas
10am-2:30pm MTWTh TEC 106 Lucas

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 1/3 - 2/2.**

DRAMA

Applied Drama

5256 DRMA 100A (3) 2-3:50pm TTh WAH 148 Petzold

Provides credit for participation in either the artistic or technical aspects of the college's quarterly play productions. This course May be repeated for credit.

Intermediate Acting (H)

☎ 6119 DRMA 108A4 (5) 1-2:50pm MW WAH 150 Kreilkamp
1-1:50pm F WAH 150 Kreilkamp

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

Dramatic Performance (H)

☎ 5259 DRMA 115A4 (5) ARR ARR ARR Kreilkamp

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

Introduction to Playwriting (H)

☎ 6121 DRMA 120A4 (5) 10-10:50am Daily MSG 115 Kreilkamp

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

ECONOMICS**Comparative Economic Systems**

☎ 6125 ECON 180A4 (5) CANCELED

Course seeks to explore the major economic systems of history and their ramifications in terms of immigration, labor unions, money, taxes and trade, to name some.

Microeconomics (SS)

☎ 5269 ECON& 201AT4 (5) 10-10:50am Daily WSC 211 Suozzo

☎ 5270 ECON& 201N3 (5) 5-6:50pm W WSC 206 Suozzo

☐☎ 5271 ECON& 201RT4 (5) 10-10:50am Daily MOR 110 Suozzo

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

Macroeconomics (SS)

☎ 5272 ECON& 202A4 (5) 9-9:50am Daily WSC 109 Suozzo

☎ 5273 ECON& 202B4 (5) 1-1:50pm Daily WSC 208 Suozzo

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**

☎ 5276 EDUC& 115A4 (5) 2-3:50pm W WSC 213 Spain

2-3:50pm W WSC 213 Kirkpatrick

An in-depth study of the physical, emotional, social and mental development of children from conception through age eight. An understanding of family structures, interaction and function will be integrated throughout the developmental process.

Guiding Behavior

☎ 5278 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.

School Age Care

☎ 5279 EDUC& 136AW1 (3) Online Staff

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

Intro to Education

☎ 5280 EDUC& 201A4 (3) 10-10:50am MWF KMP 104 Spain

Explore the role of education in our society and investigate teaching as a career. Both the historical perspective and current trends in education will be discussed.

Classroom Observation

5274 EDUC 202A (2) 10-10:50am T KMP 104 Spain

Students review teaching as a career. Students observe classrooms in action and attend seminars to discuss their findings. Students may make arrangements with the instructor to start observations before quarter begins.

Exceptional Child

6109 EDUC& 203A (3) 4-6:50pm Th WSC 108 Quentin

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

EDUCATION-EARLY CHILDHOOD**Child Care Basics**

☎ 5260 ECED& 100AW1 (3) Online Staff

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

Health/Safety/Nutrition

☎ 5261 ECED& 107AW1 (5) Online Staff

Develop knowledge and skills to ensure good health, nutrition, and safety of children in group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources.

Infants/Toddlers Care

☎ 5262 ECED& 132AW1 (3) Online Staff

Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care.

Family Child Care

☎ 5263 ECED& 134AW1 (3) Online Staff

Learn the basics of home/family child care program management. Topics include licensing requirements; business management, relationship building, health, safety, and nutrition, guiding behavior and promoting growth and development.

Admin Early Lrng Prog

☎ 5264 ECED& 139AW1 (3) Online Staff

Establish administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available that meet Washington State licensing and NAEYC standards.

Curriculum Development

☎ 6225 ECED& 160AW1 (5) Online Staff

Investigate learning theories and create curriculum that enhances the development of language, fine/gross motor, social-emotional, cognitive and creative skills in young children.

Environments-Young Child

☎ 5265 ECED& 170A4 (3) 4-6:50pm T WSC 213 Burkhart

4-6:50pm T WSC 213 Scannell

4-6:50pm T WSC 213 Kirkpatrick

Design and evaluate indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimize the development of young children.

Observation/Assessment

☎ 5267 ECED& 190A4 (3) 1-2:50pm T WSC 213 Spain
1-2:50pm T WSC 213 Kirkpatrick

Collect data to assess children. Use this data to plan for group and individual needs. Lab fee \$10.

ELECTRONICS/ROBOTICS

CAD for Electronics

☎ 5158 CAD 110A4 (3) 11am-12:50pm TTh WAH 212 Alves

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.

Communication Systems

6154 ERA 235A (3) 9-9:50am MWF KMP 129 Peterson D
9-9:50am TTh KMP 125 Peterson D

Survey of communication systems used in electronics. Wired systems will include Serial, Parallel, Ethernet, fiber optic, industrial communication protocols and others. Wireless systems will include RF, IR, Bluetooth and wi-fi including basic applications in robotics. Lab fee \$50.25.

ENERGY TECHNOLOGY

Power Generation

☎ 5595 PPO 102AT3 (5) 1-3:20pm M KMP 121 Crawford

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

BluePrint Reading

☎ 5597 PPO 120AT3 (5) 1-3:20pm W KMP 121 Crawford

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.

Plant Maintenance

☎ 5598 PPO 202AT3 (5) 1-3:20pm T KMP 121 Steidel
ARR Th ARR Steidel

Provides a background in refrigeration, heating, ventilation and air conditioning; and lighting. Prerequisite: PPO 201.

Power System Operator I

☎ 5599 PPO 205AT3 (5) 1-3:20pm Th KMP 121 Steidel

First in a two-class series: provides background to operate the American electrical grid system under North American electrical Reliability Corporation (NERC) required standards and prepares for NERC exam. Prerequisite: minimum 2.5 grade in PPO 201 or instructor permission.

ENGINEERING

Applied Numerical Methods

☎ 5320 ENGR 203A4 (5) 9-9:50am MTWTh WSC 106 Threapleton
12-1:50pm F WSC 106 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

☎ 5322 ENGR& 215A4 (5) 10-10:50am Daily WSC 108 Threapleton

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

Research in Engineering

5321 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

5282 ENGL 094N (1-5) 5-7:20pm TTh KMP 104 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

5283 ENGL 095N (1-5) 5-7:20pm TTh KMP 104 Shriver

☐☎ 5284 ENGL 095R4 (1-5) CANCELED

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

5285 ENGL 096N (1-5) 5-7:20pm MW KMP 104 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

5286 ENGL 097N (1-5) 5-7:20pm MW KMP 104 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

5287 ENGL 098A (1-5) 10-10:50am Daily WAH 113 Shriver

5288 ENGL 098N (1-5) 5-7:20pm TTh KMP 104 Shriver

☎ 6127 ENGL 098TC3 (1-5) 11:30am-12:50pm TWTh CTC Johnson R

☐☎ 5289 ENGL 098R4 (1-5) 8:30-11:20am MW MOR 108 Nellis
+ 2.5 lab hours/week

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. Section TC3 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

Fundamentals of English

5290 ENGL	099A	(1-5)	11-11:50am	Daily	WAH 113	Burr
5291 ENGL	099B	(1-5)	12-12:50pm	Daily	WAH 103	Shriver
5293 ENGL	099N	(1-5)	5-7:20pm	TTh	KMP 104	Shriver
☞ 6128 ENGL	099TC3	(1-5)	11:30am-12:50pm	TWTh	CTC	Johnson R
☐☞ 5294 ENGL	099R4	(1-5)	8:30-11:20am	MW	MOR 108	Nellis

+ 2.5 lab hours/week

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. Section TC3 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

English Composition I (C)

☞ 5298 ENGL&	101A4	(5)	8-8:50am	Daily	WSC 109	Rice
☞ 5299 ENGL&	101B4	(5)	9-9:50am	Daily	WAH 113	Rice
☞ 5300 ENGL&	101C4	(5)	9-9:50am	Daily	MSG 115	Hampton
☞ 5301 ENGL&	101D3	(5)	10-10:50am	Daily	WAH 109	Williams A
☞ 5302 ENGL&	101E4	(5)	11-11:50am	Daily	KMP 104	Hampton
☞ 5303 ENGL&	101F3	(5)	11-11:50am	Daily	MSG 115	Williams A
☞ 5304 ENGL&	101G3	(5)	12-12:50pm	Daily	WSC 110	Waliezer
☞ 5305 ENGL&	101H4	(5)	1-1:50pm	Daily	WSC 111	Erickson
☞ 5307 ENGL&	101N3	(5)	5-6:50pm	M	WSC 109	Williams M
☐☞ 5308 ENGL&	101R3	(5)	12-2:30pm	M	MOR 108	Barnes
☞ 5309 ENGL&	101TC3	(5)	11:30am-12:50pm	TWTh	CTC	Johnson
☞ 5306 ENGL&	101JP1	(5)	Online			Erickson

Expository writing course which encourages students to think and write with clarity, conciseness, and enjoyment; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Prerequisite: students must meet mandatory placement requirements to enroll. A minimum score of 83 on the COMPASS test, a minimum score of 46 on the ASSET test, or completion of five credits of ENGL 099 with a minimum grade of 2.0. Section TC4 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

Composition II (C)

☞ 5310 ENGL&	102A4	(5)	8-8:50am	Daily	WSC 208	Young
☞ 5311 ENGL&	102B3	(5)	9-9:50am	Daily	WSC 208	Weil
☞ 5312 ENGL&	102C3	(5)	10-10:50am	Daily	WSC 206	Waliezer
☞ 5313 ENGL&	102D3	(5)	11-11:50am	Daily	WSC 110	Waliezer
☞ 5314 ENGL&	102E3	(5)	12-12:50pm	Daily	WSC 206	Weil
☞ 5315 ENGL&	102F4	(5)	1-1:50pm	Daily	WSC 206	Young
☞ 5316 ENGL&	102GP1	(5)	Online			Foss

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.

Short Fiction (H)☐☞ 6107 ENGL 180R4 (5) **CANCELED**

Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, magical realism. Primarily American in focus; includes cross-cultural comparisons. College-level reading, writing skills expected. Creative writing options. Prerequisite: college level reading and writing skills.

Intro to Creative Writing (H)

☞ 5296 ENGL 208AP1 (5) Online Foss

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

Technical Writing (C)

☞ 5318 ENGL&	235A3	(5)	12-12:50pm	MTWTh	TEC 159	Williams M
☞ 5319 ENGL&	235BP1	(5)	Online			Williams M

An alternative to ENGL& 102 for science and engineering majors, focused on writing with clarity, objectivity, audience awareness, proper formats as well as research techniques, problem-solving, critical thinking and development of source-based writing. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

Non-Western World Literature (H)(D)

☞ 5297 ENGL 260A3 (5) 11-11:50am Daily WSC 206 Weil

Literature of the non-western world, ancient times to the present: Middle East, India, Africa, China, Japan, Americas focusing on how literature expresses these cultures' spiritual traditions, political values, gender issues, environmental beliefs. Prerequisite: ENGL& 101 w/2.0 or better or instructor permission.

Writing in the Workplace

☞ 5652 WRT	105A4	(5)	10-10:50am	Daily	WAH 205	Erickson
☞ 5653 WRT	105BP1	(5)	Online			Foss

Study a variety of workplace communications, along with proper use of grammar, sentence structure, mechanics and vocabulary within those communications. Prerequisite: ENGL 098 or equivalent score on Compass/Asset test.

ENVIRONMENTAL SCIENCE**Survey of Env Science (S)**

☞ 5324 ENV&	100A3	(5)	11-11:50am	MTWTh	WSC 111	Melmore
☐☞ 6108 ENV&	100R4	(5)	8:30-9:50am	MWF	MOR 101	Fagin
☞ 6101 ENV&	100BP1	(5)	Online			Melmore

An introduction to the interactions between humans and the natural world. Topics include structure and function of ecosystems; populations growth; mineral, water, forest, food and energy resources, waste management, pollution. Local and global environmental issues will be discussed.

Introduction to Natural Resources (S)

☞ 5323 ENV 170A3 (5) 12-12:50pm Daily WSC 111 Melmore

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.

GEOGRAPHY**Introduction to Physical Geography (S)**

☞ 5333 GEOG	201A4	(5)	10-10:50am	MTWTh	WSC 101	Pringle
			1-2:50pm	Th	WSC 103	Pringle
☞ 5334 GEOG	201B4	(5)	10-10:50am	MTWTh	WSC 101	Pringle
			3-4:50pm	Th	WSC 103	Pringle

Explore the characteristics of and relationships between Earth's natural system: lithosphere, hydrosphere, atmosphere, and biosphere. Introduction to landforms, climates, vegetation, soils, mineral and water resources, plate tectonics, and maps. Course work will include some college level writing and math.

GEOLOGY

Intro Physical Geology (S)

☎ 5336 GEOL& 101A4 (5)	9-9:50am	MTWTh	WSC 101	Pringle
	1-2:50pm	T	WSC 105	Pringle
☎ 5337 GEOL& 101B4 (5)	9-9:50am	MTWTh	WSC 101	Pringle
	3-4:50pm	T	WSC 105	Pringle

Explore and recognize earth materials, processes and structures within a plate tectonics framework; origin and structure of the Earth, rocks and minerals, geologic time, earthquakes and volcanoes, ocean basins, formation of landscapes, special topics. Lab fee \$28.36.

Research in Geology

5335 GEOL 270A (12)	ARR	ARR	ARR	Pringle
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

HEALTH

Health & Wellness (HF)

☎ 5355 HLTH 130A4 (3)	9-9:50am	MWF	MSG 106	Johnson
☎ 5356 HLTH 130RP1 (3)	Online			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.

Healthy Weight Control (HF)

☎ 5357 HLTH 135A4 (2)	9-9:50am	TTh	MSG 106	Oien
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An introduction to healthy eating that focuses on a balance of foods, including a variety of lifestyle change strategies that will enhance the maintenance of a healthy weight. Lab fee \$3.10.

Exercise & Nutrition (HF)

☎ 5358 HLTH 140AP1 (3)	Online			Johnson
☎ 6241 HLTH 140BP1 (3)	Online			Sanchez

Two core components of a healthy lifestyle - a healthy diet and a safe exercise program - will be explained and developed. Students are expected to exercise outside of class time.

Stress Management (HF)

☎ 5359 HLTH 143A3 (2)	1-1:50pm	TTh	MSG 106	Wilson
☎ 6122 HLTH 143B3 (2)	8:30am-12:30pm	Sa	MSG 106	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. **Section A meets 1/3 - 3/2; section B3 meets on Saturdays, 1/28 AND 2/11.**

Technology in Health

☎ 6123 HLTH 144A4 (2)	11-11:50am	MW	MSG 106	Johnson C
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Explore current uses of technology for adherence, motivation and monitoring of health and fitness behaviors. Areas covered will be digital coaching, fitness monitors and trackers, downloadable applications and peer to peer or social apps.

Safety and Fitness (HF)

☎ 5360 HLTH 145A4 (3)	8-8:50am	MWF	MSG 115	Sanchez
☎ 5361 HLTH 145BP1 (3)	Online			Johnson
☎ 5362 HLTH 145CP1 (3)	Online			Johnson

Emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes American Red Cross Community First Aid and Community CPR certification. Lab fee \$47.49. **Online class sections have an on-campus lab requirement. Online students must attend one of the on-campus training days scheduled 2/28, 1-5:30pm OR 3/8, 1-5:30pm in MSG 106.**

Community First Aid and CPR

5363 HLTH 154A (1)	8:30am-4pm	Sa	MSG 106	Layton
5364 HLTH 154B (1)	8:30am-4pm	Sa	MSG 106	Layton
5365 HLTH 154C (1)	8:30am-4pm	Sa	MSG 106	Layton
5366 HLTH 154D (1)	8:30am-4pm	Sa	MSG 106	Layton

Basic First Aid/CPR/AED class covering critical skills needed to respond to and manage first aid, choking or sudden cardiac arrest emergencies in the first few minutes until emergency medical services (EMS) arrives. Lab fee \$44.23. **Section A meets 11/11; section B meets 12/10; section C meets 1/21; section D meets 2/18.**

HISTORY

Western Civilization II (SS)

5343 HIST& 117A (5)	10-10:50am	Daily	WSC 204	Peterson J
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Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions.

US History II (SS)

5344 HIST& 147A (5)	12-12:50pm	Daily	WSC 204	Peterson J
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Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

US History III (SS)

☎ 5345 HIST& 148AP1 (5)	Online			Mayfield
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Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

Pacific NW History (SS)

☎ 5346 HIST& 214AP1 (5)	Online			Mayfield
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Study of the early exploration and settlement of the Pacific Northwest. Emphasis will be on the economic, political and social developments. The course is designed to meet state certification requirements for teachers.

HUMAN RELATIONS

Human Relations-Workplace

☎ 5339 H R 110A3 (5)	8-8:50am	MWF	WAH 113	Crawford
	+2 hrs/tba			
☎ 5341 H R 110B3 (5)	12-12:50pm	MWF	WAH 109	Vandergrift
☎ 5340 H R 110C3 (5)	10-10:50am	Daily	WSC 111	Smejkal
☎ 5342 H R 110DS1 (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. Lab fee \$5.

HUMANITIES

Humanities II (H)

☎ 5402 HUM& 117A4 (5)	9-9:50am	Daily	WAH 109	Mitchler
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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)

☎ 5399 HUM 270A4 (5)	1-3:20pm	TTh	WAH 109	Mitchler
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An examination of the social, historical, technical, and artistic aspects of film through viewing, study and discussion of notable motion pictures.

Lyceum V

5400 HUM 285A (1) 1-1:50pm W WAH 103 Bannish

The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

INFORMATION TECHNOLOGY**Computer Science I C++**

☎ 6166 CS& 131A4 (5) 2-2:50pm MTWTh WAH 211 Gul

Intended as an introduction to programming. Emphasis is on the features of the "C" programming language with an introduction to C++ object oriented programming and good programming style. Lab fee \$31.88.

Intro to Windows OS☎ 5404 IT 117A4 (3) 8-8:50am MWF WAH 212 Alves
☐ 5405 IT 117R (3) ARR TTh MOR 112 Burres

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.

IT Apps Internship

☎ 5409 IT 130A3 (2) ARR ARR ARR Gul

Students will get hands on, full life cycle software development experience working on projects for the department and college. Projects will include web and database application design, development, maintenance and support. Prerequisite: IT 101 and IT 119 or CST 101 and CST 119.

IT Support Internship5410 IT 140A (2) ARR ARR ARR Allison
6220 IT 140B (2) ARR ARR ARR Allison

This course is designed to provide students with an introduction to and experience in Help Desk operations. Students will learn the fundamentals of Tier 1 call taking and customer service. Prerequisite: IT 123 and IT 124 or CNT 123 and CNT 124.

Relational Databases☎ 6164 IT 150A3 (5) 9-9:50am MTWTh WAH 211 Small
+1 lab hour/week
☎ 6165 IT 150B3 (5) 10-10:50am MTWTh WAH 211 Small
+1 lab hour/week

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☎ 5411 IT 201A4 (5) 11-11:50am MTWTh KMP 121 Whalen
10-11:50am F KMP 129 Whalen
☎ 6168 IT 201B3 (5) 9-9:50am MTWTh WAH 216 Allison
+1 lab hour/week
☎ 6169 IT 201C3 (5) 10-10:50am MTWTh WAH 216 Allison
+1 lab hour/week

This course is based on CompTIA Network+ certification materials. Material covered includes Fundamental Concepts, Terminology, LANs, WANs, Internetworking, VLANs, Routing Basics and Wireless Networking. Prerequisite: MATH 098. Lab fee \$50.

Network Technology 2☎ 5412 IT 202A3 (4) 11-11:50am MTWTh WAH 216 Allison
+1 lab hour/week

A second course in Network Technology focusing on configuring, managing and troubleshooting Cisco devices using Cisco IOS. Prerequisite: IT 201 or CNT 201. Lab fee \$25.

Server OS 2☎ 5413 IT 219A3 (4) 1-1:50pm MTWTh WAH 216 Allison
+1 lab hour/week

This is the second course on server installation, configuration and management. Coverage includes server content management systems, PHP, Microsoft Exchange and Office 365. Prerequisite: IT 218 or CNT 218. Lab fee \$25.

JAVA 2☎ 5414 IT 228A3 (5) 12-12:50pm MWTh WAH 211 Carlson C
12-1:50pm T WAH 211 Carlson C

Second course in the introduction to JAVA programming sequence. These topics include: abstract data structures, lists, stacks, queues, linked lists, maps, recursion, interfaces, encapsulation, serialization, file access, sorting and computational complexity. Prerequisite: IT 224 or CST 224. Lab fee \$25.

INTENSIVE ENGLISH PROGRAM**Comprehensive Language 1**

☎ 6277 IEP 070A4 (1-9) 2-3:50pm Daily WSC 101 Lovelett

In this Level 1 Comprehension Language Skills course, Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Communicative Language Skills 1 - 4☎ 6278 IEP 071A4 (1-9) 8-9:50am Daily WSC 211 Burr
☎ 6279 IEP 073A4 (1-9) 8-9:50am Daily WSC 211 Burr
☎ 6280 IEP 075A4 (1-9) 8-9:50am Daily WSC 211 Burr
☎ 6281 IEP 077A4 (1-9) 8-9:50am Daily WSC 211 Burr

Students will develop listening skills and work on activities to improve their reading comprehension, vocabulary, and analyzing skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Comprehensive Language 2

☎ 6276 IEP 072A4 (1-9) 2-3:50pm Daily WSC 101 Lovelett

In this Level 2 Comprehension Language Skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Comprehensive Language 3

☎ 6275 IEP 074A4 (1-9) 2-3:50pm Daily WSC 101 Lovelett

In this Level 3 Comprehension Language Skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Comprehensive Language 4

☎ 6274 IEP 076A4 (1-9) 2-3:50pm Daily WSC 101 Lovelett

In this Level 4 Comprehension Language Skills course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Intensive English Speaking Level I-IV

☞	5417 IEP	084A4	(1-5)	CANCELED
☞	5421 IEP	088A4	(1-5)	CANCELED
☞	5425 IEP	092A4	(1-5)	CANCELED
☞	5429 IEP	096A4	(1-5)	CANCELED

Multi-level language course with emphasis on communicative oral proficiency. Instruction includes use of multimedia to enhance the learning of the English language and American culture. Lab fee \$24.95.

Intensive English Listening Level I-IV

☞	5418 IEP	085A4	(1-5)	CANCELED
☞	5422 IEP	089A4	(1-5)	CANCELED
☞	5426 IEP	093A4	(1-5)	CANCELED
☞	5430 IEP	097A4	(1-5)	CANCELED

This course provides students with reciprocal listening training. They will also be introduced to non-reciprocal listening tasks both in a formal and non-formal method of communication.

Intensive English Reading Level I-IV

☞	5419 IEP	086A4	(1-5)	CANCELED
☞	5423 IEP	090A4	(1-5)	CANCELED
☞	5427 IEP	094A4	(1-5)	CANCELED
☞	5431 IEP	098A4	(1-5)	CANCELED

Multi-level reading course for non-native English Speakers that emphasizes the acquisition of reading skills at a post-secondary level, including vocabulary, comprehension, reading rate, and study skills.

Intensive English: Writing and Grammar Level I-IV

☞	5420 IEP	087A	(1-5)	CANCELED
☞	5424 IEP	091A	(1-5)	CANCELED
☞	5428 IEP	095A	(1-5)	CANCELED
☞	5432 IEP	099A	(1-5)	CANCELED

This is a multi-level class to prepare non-native English students for writing in college level academic and technical courses. Difficulty and length of writing assignments increase with each level. Students write about themselves, their culture or other familiar topics, discuss and write about American and world culture, and academic topics. Writing fluency is stressed, and correction focuses on structural and grammatical errors appropriate to each level. Paragraph development and short essay organization are emphasized. Writing includes description, narration, comparison/contrast, with some analysis and summarizing of short reading passages. Students keep a daily journal.

MATHEMATICS**Basic Mathematics**

☞	5451 MATH	095A4	(1-5)	7-8:50am	Daily	LIB 003B/LIB 112	Spitzer
☞	5452 MATH	095B4	(1-5)	9-9:50am	Daily	LIB 003B	Spitzer
☞	5453 MATH	095C4	(1-5)	1-3:20pm	MTWTh	LIB 003B/LIB 112	Spitzer
				1-3:20pm	MTWTh	LIB 003	Keahey
☞	5454 MATH	095N4	(1-5)	4:30-6:50pm	MTWTh	LIB 112	McLeod A
				4:30-6:50pm	MTWTh	LIB 112	Hemond
☞	5457 MATH	095S4	(1-5)	4:30-6:50pm	MW	MOR 108	Goodwin D
							+ 2 lab hours/week

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

Pre-Algebra

☞	5458 MATH	096A4	(1-5)	7-8:50am	Daily	LIB 003B/LIB 112	Spitzer
☞	5459 MATH	096B4	(5)	9-9:50am	Daily	WSC 107	Ziegler
☞	5460 MATH	096C4	(5)	10-10:50am	Daily	WSC 215	Brosz
☞	5461 MATH	096D4	(1-5)	1-3:20pm	MTWTh	LIB 003B/LIB 112	Spitzer
				1-3:20pm	MTWTh	LIB 003	Keahey
☞	5462 MATH	096N4	(1-5)	4:30-6:50pm	MTWTh	LIB 112	McLeod A
				4:30-6:50pm	MTWTh	LIB 112	Hemond
☞	5465 MATH	096S4	(1-5)	4:30-6:50pm	MW	MOR 108	Goodwin D
							+ 2 lab hours/week

Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement.

Algebra for Statistics

☞	5466 MATH	097A4	(5)	8-8:50am	Daily	WSC 215	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 or other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

Algebra I

☞	5467 MATH	098A4	(1-5)	7-8:50am	Daily	LIB 003B/LIB 112	Spitzer
☞	5468 MATH	098B4	(5)	10-10:50am	Daily	WSC 107	Ziegler
☞	5469 MATH	098C4	(5)	11-11:50am	Daily	WSC 215	Brosz
☞	5470 MATH	098D4	(1-5)	1-3:20pm	MTWTh	LIB 003B/LIB 112	Spitzer
				1-3:20pm	MTWTh	LIB 003	Keahey
☞	5472 MATH	098N4	(1-5)	4:30-6:50pm	MTWTh	LIB 112	McLeod A
				4:30-6:50pm	MTWTh	LIB 112	Hemond
☞	5475 MATH	098S4	(1-5)	4:30-6:50pm	TTh	MOR 108	Goodwin D
							+ 2 lab hours/week

☞	5471 MATH	098EP1	(5)	Online			Ziegler
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For students with good arithmetic skills and familiarity with signed numbers and basic algebraic expressions. Problem-solving skills are emphasized. Topics include: linear equations and inequalities, graphing, polynomials, and rational expressions. Prerequisite: MATH 096.

Algebra II

☞	5477 MATH	099A4	(1-5)	7-8:50am	Daily	LIB 003B/LIB 112	Spitzer
☞	5478 MATH	099B4	(5)	9-9:50am	Daily	WSC 215	Brosz
☞	5479 MATH	099C4	(5)	11-11:50am	Daily	WSC 107	Ziegler
☞	5480 MATH	099D4	(1-5)	1-3:20pm	MTWTh	LIB 003B/LIB 112	Spitzer
				1-3:20pm	MTWTh	LIB 003	Keahey
☞	5482 MATH	099N4	(1-5)	4:30-6:50pm	MTWTh	LIB 112	McLeod A
				4:30-6:50pm	MTWTh	LIB 112	Hemond
☞	5485 MATH	099S4	(1-5)	4:30-6:50pm	TTh	MOR 108	Goodwin D
							+ 2 lab hours/week

☞	5481 MATH	099EP1	(5)	Online			Ziegler
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Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. Prerequisite: MATH 098 or equivalent.

Math in Society (M)

☞	5487 MATH&	107A4	(5)	1-1:50pm	Daily	WSC 204	Griffith
☞	6230 MATH&	107TC4	(5)	10:15-11:20am	MTWTh	CTC	Griffith
☞	5488 MATH&	107BP1	(5)	Online			Tonn

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. **Section TC3 meets at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.**

Math for Elem Educ 1 (M)

☎ 6117 MATH& 131A4 (5) 12-1:50pm MWF WAH 105 Taylor
 ☎ 5489 MATH& 131BP1 (5) Online Tveten

Designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. Prerequisite: MATH 099 or equivalent ASSET/COMPASS score.

Pre-Calculus I (M)

☎ 5490 MATH& 141A4 (5) 11-11:50am Daily WSC 208 Tonn

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)

☎ 5493 MATH& 142A4 (5) 8-8:50am Daily WAH 103 Carlson C
 ☎ 5494 MATH& 142BP1 (5) Online Kiekel

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

☎ 6229 MATH 145A3 (1) 8-8:50am Daily WAH 207 Kiekel

Refreshes and enhances the necessary prerequisite skills for a college-level statistics course. Topics include algebra for statistical, spreadsheet software skills, and probabilistics reasoning. Prerequisite: MATH 097, MATH 099 or equivalent, or instructor permission. **Class meets 1/3/17 - 1/20/17.**

Introduction to Stats (M)

☎ 5495 MATH& 146A4 (5) 9-9:50am Daily WSC 206 Taylor
 ☎ 5496 MATH& 146B4 (5) 12-12:50pm Daily WSC 213 Kiekel
 ☎ 5497 MATH& 146CP1 (5) Online Kostick
 ☎ 5498 MATH& 146DP1 (5) Online Kostick

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)

☎ 5499 MATH& 151A4 (5) 9-9:50am Daily WSC 111 Carlson C

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

☎ 5500 MATH& 163A4 (5) 11-11:50am Daily WSC 101 Carlson C

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

☎ 5642 TMATH 116A4 (5) 9-9:50am Daily WAH 115 Kiekel/Steidel

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

Electronics Math 1

5643 TMATH 121A (5) 8-8:50am Daily KMP 121 Peterson D

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**

6153 MEC 116A (4) 9-9:50am MWF KMP 121 Whalen
 9-9:50am TTh KMP 125 Whalen

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.

Power Transmission

6186 MEC 152A (3) 12-12:50pm MTWTh KMP 121 Whalen

Continuation of MEC 151. Course includes study of power transmission components including bearings, brakes and gear systems. Concepts will also include vibration analysis, heat control and maintenance, and gear/cam systems. Prerequisite: MEC 151. Lab fee \$50.25.

Hydraulic Systems

6187 MEC 153A (5) 11-11:50am MT KMP 129 Peterson D
 10-11:50am WThF KMP 129 Peterson D

Introduction to fluid power - hydraulics and pneumatics. Safe operation of fluid systems will be emphasized. Course covers fluid characteristics, component symbols, control valves, pumps and reservoirs. Lab fee \$83.75.

Preventative Maintenance

6188 MEC 155A (3) 1-1:50pm MTWTh KMP 129 Whalen

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

Allen Bradley PLCs

6155 MEC 260A (5) 12-12:50pm MWF KMP 129 Peterson D
 12-1:50pm TTh KMP 128 Peterson D

Study of Allen Bradley programmable logic controllers. Input and output modules will communicate with peripheral devices such as sensors, motors, lights and relays. Heavy emphasis on ladder logic, safety, troubleshooting and efficiency. Lab fee \$83.75.

Industrial Robotics

6156 MEC 270A (5) 8-8:50am Daily KMP 129 Whalen

Survey of robotics used in industry. Heavy emphasis on safe handling and work cell safety. Programming features include teaching points, program structure and device interfaces. Course includes Fanuc Corporation Certified Education Robot Training (CERT) Certification. Lab fee \$83.75.

MEDIA STUDIES**Sports Announcing for Basketball**

☎ 5443 M ST 127A4 (1) 2-2:50pm W WAH 115 Fisher

Learn and apply the basic skills and knowledge required of today's basketball announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality basketball announcer.

Advanced Radio Broadcasting

☎ 5444 M ST 231A4 (3) 12-12:50pm TTh WAH 115 Fisher
Learn strategies to research and prepare material for broadcast. The use of promotions and contests to increase station ratings also will be covered. Lab fee \$17.94.

Adv TV & Video Production for Electronic Media

☎ 5445 M ST 261A4 (5) 1-1:50pm MWF WAH 140 Fisher
1-2:50pm TTh WAH 140 Fisher
Improve editing skills while producing documentary and music videos. Advanced camera, editing, studio and field production techniques will be covered. Students will also take part in producing live college basketball games. Lab fee \$17.94.

Radio Broadcasting Internship I-IV

☎ 5446 M ST 271A4 (1) ARR ARR WAH 140 Fisher
☎ 5447 M ST 272A4 (2) ARR ARR WAH 140 Fisher
☎ 5448 M ST 273A4 (3) ARR ARR WAH 140 Fisher
☎ 5449 M ST 274A4 (4) ARR ARR WAH 140 Fisher

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

TV Broadcasting Internship

☎ 5450 M ST 281A4 (1) ARR ARR WAH 140 Fisher
Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: M ST 260, 261, 262.

MEDICAL ASSISTANT

Medical Math

5437 MA 130A (5) 8-8:50am Daily WAH 105 Steidel
A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for Medical Assistant AAS. Prerequisite: MATH 096 or equivalent.

Medical Assisting Intro

5440 MA 140A (5) 1-2:50pm MTW TEC 115 Speer
An introduction to the profession of medical assisting in the ambulatory health care setting. Designed to explore the medical assistant as a valuable member of the health care team. Prerequisite: MA 139 with a 2.5 gpa. Lab fee \$33.

Medication Administration

5441 MA 242A (7) 8:30-10:50am MTWTh WAH 146 Boerner
An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Prerequisite: MA 241, MA 249 with a 2.5 GPA or higher. Lab fee \$65.

MA Laboratory Procedures

5442 MA 246A (10) 11:30am-2:30pm MTWTh WAH 146 Boerner
9-11:50am F WAH 146 Boerner
Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Prerequisite: MA 241, MA 249 with a 2.5 GPA or higher. Lab fee \$53.16.

MUSIC

Music Appreciation (D) (H)

☎ 5549 MUSC& 105AP1 (5) Online May
☎ 6112 MUSC& 105BP1 (5) Online May
Developing an understanding of music through the study of musical elements and cultural contexts.

Jazz Ensemble I

6213 MUSC	124A4 (2)	5-6:50pm	MW	WAH 107	Lopez
6214 MUSC	125A4 (2)	5-6:50pm	MW	WAH 107	Lopez
6215 MUSC	125A4 (2)	5-6:50pm	MW	WAH 107	Lopez
6216 MUSC	125A4 (2)	5-6:50pm	MW	WAH 107	Lopez
6217 MUSC	125A4 (2)	5-6:50pm	MW	WAH 107	Lopez
6218 MUSC	125A4 (2)	5-6:50pm	MW	WAH 107	Lopez

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

Beginning Guitar

5503 MUSC 135A (2) 1:30-3pm TTh WAH 107 Tillinghast
Presents the basic skills for reading and techniques needed to play the guitar. Intended for students with little or no background in guitar performance. Students must supply their own acoustic guitar.

Music of the World (H)(D)

5504 MUSC 139A (5) 9-9:50am Daily WAH 103 Woodcock
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.

Music Theory I (H)

☎ 5550 MUSC& 141A4 (5) 9-9:50am Daily WAH 125 May
A technical study of musical architecture. Emphasis on aural and written skill of signatures, chords, intervals, musical notation. Piano proficiency of basic scales and five-finger patterns. Finale is used for computer generated manuscript. Prerequisite: music reading skill.

Music Theory II

☎ 5551 MUSC& 142A4 (5) 10-10:50am Daily WAH 125 May
Designed for music majors and minors. Emphasis on aural and written skill of part-writing, harmonization of melody and harmonic analysis. Piano proficiency of grade three piano studies. Finale is used for computer generated manuscript. Prerequisite: MUSC& 141.

Choir I-VI

☎ 5505 MUSC	144A4 (2)	12-12:50pm	MWF	WAH 107	May
☎ 5506 MUSC	145A4 (2)	12-12:50pm	MWF	WAH 107	May
☎ 5507 MUSC	146A4 (2)	12-12:50pm	MWF	WAH 107	May
☎ 5508 MUSC	147A4 (2)	12-12:50pm	MWF	WAH 107	May
☎ 5509 MUSC	148A4 (2)	12-12:50pm	MWF	WAH 107	May
☎ 5510 MUSC	149A4 (2)	12-12:50pm	MWF	WAH 107	May

A vocal group consisting of the part distribution: soprano, alto, tenor, and bass. Will perform both sacred and secular music literature. Participation in one evening concert per quarter is mandatory. Previous choral experience not necessary. Prerequisite: by audition only. Lab fee \$17.49.

Applied Instruments:

These applied 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

5511 MUSC 150A (1) ARR ARR ARR Odonel

Applied French Horn

5512 MUSC 154A (1) ARR ARR ARR Blaser
6264 MUSC 154B (1) ARR ARR ARR Blaser

Applied Trumpet

5513 MUSC 155A (1) ARR ARR ARR Blaser

Applied Trombone

5514 MUSC 156A (1) ARR ARR ARR Blaser

Applied Tuba

5515 MUSC 157A (1) ARR ARR ARR Blaser

Applied Euphonium

5516 MUSC 158A (1) ARR ARR ARR Blaser

Applied Percussion

5517 MUSC 159A (1) ARR ARR ARR Blaser

Applied Piano

☞ 5518 MUSC 160A4 (1) ARR ARR ARR May

☞ 6246 MUSC 160B4 (1) ARR ARR ARR May

☞ 6284 MUSC 160C4 (1) ARR ARR ARR May

Applied Violin

5519 MUSC 161A (1) ARR ARR ARR Scarborough

Applied Viola

5520 MUSC 162A (1) ARR ARR ARR Scarborough

Applied Cello

5521 MUSC 163A (1) ARR ARR ARR Staff

Applied Double Bass

5522 MUSC 164A (1) ARR ARR ARR Staff

Applied Guitar

5523 MUSC 165A (1) ARR ARR ARR Tillinghast

Applied Saxophone

5524 MUSC 166A (1) ARR ARR ARR Blaser

6266 MUSC 166B (1) ARR ARR ARR Blaser

Applied Voice

5525 MUSC 167A (1) ARR ARR ARR Colgan

Applied Composition

☞ 5526 MUSC 168A4 (1) ARR ARR ARR May

Applied Clarinet

5527 MUSC 169A (1) ARR ARR ARR Blaser

Applied Oboe

5528 MUSC 170A (1) ARR ARR ARR Blaser

Applied Bassoon

5529 MUSC 171A (1) ARR ARR ARR Staff

Community Band I-VI

5530 MUSC 175A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser
5531 MUSC 176A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser
5532 MUSC 177A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser
5533 MUSC 178A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser
5534 MUSC 179A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser
5535 MUSC 180A (2)	7-9pm	T	WAH 150	Blaser
	ARR	T	WAH 150	Blaser

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

Community Orchestra I-VI

5536 MUSC 185A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D
5537 MUSC 186A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D
5538 MUSC 187A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D
5539 MUSC 188A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D
5540 MUSC 189A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D
5541 MUSC 190A (2)	7-9pm	M	WAH 150	LeDuc D
	ARR	M	WAH 150	LeDuc D

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

Music Theory V

☞ 6113 MUSC& 242A4 (5) 2-2:50pm Daily WAH 125 May

An advanced technical study of music including aural skill and analysis of late 19th century western music. Piano proficiency of chromatic chord progressions and beginning score reading. Prerequisite: MUSC& 241.

NURSING

Common Alterations I

☞ 5552 NURS 102A4 (12) ARR ARR WSC 202 Gustafson
ARR ARR WSC 202 Schuchmann

☞ 5553 NURS 102B4 (12) ARR ARR WSC 202 Ormrod

Progressive competencies reflecting program themes are applied to nutrition; cardiac, respiratory, and endocrine systems; and medication and fluid administration. On-campus theory, skills labs and off-campus clinical experiences are provided. Prerequisite: NURS 101 or equivalent. Lab fee \$50.58.

Complex Alterations

☞ 5554 NURS 202A4 (12) ARR ARR WSC 202 Sullivan
ARR ARR WSC 202 Schuchmann

☞ 5555 NURS 202B4 (12) ARR ARR WSC 202 Capen

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 \$55.23.

NURSING ASSISTANT

Nursing Assistant Certification

5347 HLSV 131A (9)	8am-12pm	MTWTh	TEC 115	Speer
	ARR	ARR	SCC	Speer
5348 HLSV 131B (9)	8am-12pm	MTWTh	TEC 115	Speer
	5:45am-12pm	MTWTh	SCC	Speer
5349 HLSV 131N (9)	4-8pm	MTWTh	TEC 115	Holifield
	ARR	MTWTh	SCC	Holifield

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 \$194.58.

NUTRITION

Nutrition (S)

☞ 5556 NUTR& 101A4 (5) 9-9:50am Daily WSC 110 Jewell

An exploration of the six basic nutrients with diet planning principles, human metabolism, weight control and digestion also being studied. Some chemistry or biology background is helpful. Prerequisite: prior knowledge of chemistry or biology would be helpful.

OCEANOGRAPHY

Intro to Oceanography (S)

☞ 5557 OCEA& 101AP1 (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. Meets requirement for lab course.

PHLEBOTOMY

Intro to Phlebotomy Tech

6189 PHLE 131A (5) 11:30am-12:50pm MW WAH 146 Boerner
11:30am-2:30pm TTh WAH 146 Boerner

Overview of laboratory procedures and regulations for the medical office laboratory. Lab fee \$52.35.

PHILOSOPHY

Intro to Philosophy (H)

☞ 5588 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)

☞ 5587 PHIL 103AP1 (5) Online Diamant

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

PHYSICAL EDUCATION

Physical Fitness (HF)

☐ 6203 P E 110R (1) 9:30-10:30am TTh MOR 101 Jones

Study of all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10.

Volleyball

5559 P E 115A (1) 12-12:50pm TTh MSG 103 Ewings

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

Lifestyle Management and Exercise (HF)

☞ 5560 P E 120A3 (2) 9-9:50am MWF MSG 125 Oien

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

Basic Weight Training/Conditioning (HF)

☞ 5561 P E 123A4 (1) 11-11:50am MW MSG 125 Sanchez

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

Free Weights (HF)

5563 P E 125A (1) 10-10:50am TTh MSG 130 Oien

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

Basketball Applications

5564 P E 130A (3) ARR Daily MSG 103 Moir

5565 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.

Boot Camp Basics (HF)

5566 P E 140A (1) 12-12:50pm TTh MSG 200 Oien

A high-impact exercise class designed to improve muscle strength, endurance, flexibility and aerobic capacity. Lab fee \$3.10.

Cardio Combo (HF)

☞ 5568 P E 142A4 (1) 10-10:50am MW MSG 200 Oien

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

Yoga (HF)

☞ 5569 P E 150A4 (1) 9-9:50am TTh MSG 200 Goss

☞ 5570 P E 150N4 (1) 6-6:50pm TTh MSG 200 Goss

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

Aerobic Fitness/Snowshoeing (HF)

☐☞ 5571 P E 151R3 (1) 9am-4pm Sa MOR 108 Johnson

A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility, and body composition. Aerobic activities for this class will be snowshoeing. This is a hybrid class which includes an online component to cover safety and winter weather preparedness. Students need to either provide their own equipment, or pay to rent equipment. Classes will be held at various outdoor locations, including Mount Rainier National Park and White Pass. Transportation will be provided from Centralia and from the Morton campus. Previous snowshoeing experience is not required, however, students need to be able to snowshoe/hike a minimum of 2 miles on uneven terrain. If snow conditions do not allow for snowshoeing, students will hike on forest trails. ORIENTATION: 1/3, 5pm in Centralia (MSG 106), 1/4, 5pm in Morton (MOR 101). **Class meets 1/7, 1/21, and 2/4.**

Pilates/Core (HF)

☞ 5572 P E 152A4 (1) 11-11:50am TTh MSG 200 Oien

☞ 6124 PE 152B4 (1) 4-4:50pm TTh MSG 200 May

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

Tai Chi Basics (HF)

5574 P E 153A (1) 8-8:50am MW MSG 200 Barr

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

Beginning Tae Kwon Do (HF)

5575 P E 158N (2) 6-8pm MW MSG 200 Grove

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

5576 P E 159N (2) 6-8pm MW MSG 200 Grove

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

5577 P E 160N (2) 6-8pm MW MSG 200 Grove

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.

Softball Theory

5578 P E 164A (3) ARR MWF MSG 103 Slorey

An analysis of the mental approach to the game of softball. An emphasis will be placed on the theories and strategies of fastpitch. Lab fee \$3.10.

Lifetime Fitness (HF)

5579 P E 168A3 (2) 10-10:50am F WSC 109 Sanchez

5580 P E 168B3 (2) 12-12:50pm W MSG 106 Sanchez

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

Theory of Baseball

5581 P E 172A (3) ARR MWF MSG 115 LeDuc J

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

Advanced Volleyball

5582 P E 215A (1) 12-12:50pm TTh MSG 103 Ewings

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

Physical Fitness Concepts (HF)

5583 P E 229A3 (3) 12-12:50pm MWTh MSG 115 Johnson

A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week. Lab fee \$3.10.

Advanced Basketball Applications

5584 P E 230A (3) ARR Daily MSG 103 Moir

5585 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.

Advanced Softball Theory

5586 P E 264A (3) ARR MWF MSG 103 Slorey

An advanced analysis of the mental approach to the game of softball. An emphasis will be placed on the theories and strategies of fastpitch. Prerequisite: PE 164. Lab fee \$3.10.

PHYSICS**Phys: Non-Sci Majrs w/Lab (S)**5590 PHYS& 110A4 (5) 12-12:50pm MTWTh WSC 108 Threapleton
1-2:50pm Th WSC 106 Threapleton

A survey of physics with applications in everyday life for non-science majors. Basic concepts in Newtonian mechanics, thermodynamics, electricity, magnetism, optics, and modern physics. Requires knowledge of basic algebra. Includes a 2 hour lab. Lab fee \$15.62.

Engineering Physics II (S)5591 PHYS& 222A4 (5) 8-8:50am MTWTh WSC 108 Threapleton
1-2:50pm M WSC 106 Threapleton

Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Prerequisite: PHYS& 221 and MATH& 152 and corequisite: MATH& 153. Lab fee \$17.94.

Research in Physics

5589 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)**

5592 POLS& 202AP1 (5) Online Hollenbeck

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 (SS) (D)

5593 POLS& 204A (5) 9-9:50am Daily WSC 204 Peterson J

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)**

5600 PSYC& 100A4 (5) 8-8:50am Daily WAH 109 Staroff

5601 PSYC& 100B4 (5) 11-11:50am Daily WSC 107 MacNamara

5602 PSYC& 100C4 (5) 1-3:20pm TTh WSC 107 MacNamara

5603 PSYC& 100DP1 (5) Online MacNamara

6207 PSYC& 100EP1 (5) Online MacNamara

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)

5604 PSYC& 200A4 (5) 9-9:50am Daily WSC 107 MacNamara

5605 PSYC& 200BP1 (5) Online 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

5606 PSYC& 220AT4 (5) 1-3:20pm MW WSC 211 Kiekel

6209 PSYC& 220RT4 (5) 1-3:20pm MW MOR 110 Kiekel

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**

5608 READ 096N (1-5) 5-7:20pm MW KMP 104 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 students needs. Permission of instructor only.

Specific Reading Skill Development

5609 READ 097A (1-3) 11-11:50am Daily WAH 115 Shriver

This course is designed to provide students with opportunities to improve their reading specifically identified areas of need. Comprehension building, word attack skills, and content area reading are a few of the specific areas that can be targeted by this class.

Improvement of Reading

5610 READ 099A (1-5) 11-11:50am Daily WAH 115 Shriver

5611 READ 099N (1-5) 5-7:20pm MW KMP 104 Shriver

☐☎ 5612 READ 099R4 (1-5) **CANCELED**☐☎ 5613 READ 099RE4 (1-5) **CANCELED**

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

Technical Reading

5614 READ 100A (3) 11-11:50am Daily WAH 115 Shriver

Designed to teach discipline-specific reading strategies useful to students in both vocational and academic areas. It will also teach awareness of academic thought processes and present skills to enhance that thinking process.

Speed Reading

5615 READ 110A (3) ARR ARR WAH 115 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.

SCIENCE**Intro to Physical Science (S)**

☎ 5616 SCIE 104AP1 (5) Online Brown D

☎ 6247 SCIE 104BP1 (5) Online Brown D

Study the basic concepts of physical science, learn to apply the scientific method to problem solving and popular science, and apply the scientific methods to a project. Meets requirement for lab course.

Weather and Climate (S)

☎ 5617 SCIE 115AP1 (5) Online Brown D

Study of Earth's atmosphere, atmospheric processes, weather, climate, and climate history. Experience will be provided in weather map interpretation, use of instruments, forecasting, interpretation of past climate conditions, and hands-on dendrochronology. Prerequisite: MATH 098 or equivalent. Meets requirement for lab course.

SOCIOLOGY**Intro to Sociology (SS)**

☎ 5628 SOC& 101A4 (5) 8-8:50am Daily WSC 107 Coffman

☎ 5629 SOC& 101B4 (5) 9-9:50am Daily KMP 104 Coffman

☎ 5630 SOC& 101C4 (5) 11-11:50am Daily WSC 211 Coffman

☐☎ 6198 SOC& 101R4 (5) 2:30-3:50pm MWF MOR 108 St Clare

☎ 5631 SOC& 101DP1 (5) Online Medlin

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

Social Problems (SS)

5633 SOC& 201A (5) 10-10:50am Daily WSC 208 van Alstyne

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)**

☎ 5635 SPAN& 121A4 (5) 1-1:50pm Daily WSC 110 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)

☎ 5636 SPAN& 122A4 (5) 8-8:50am Daily WSC 210 Gorecki

☎ 5637 SPAN& 122B4 (5) 10-10:50am Daily WSC 210 Gorecki

☎ 5638 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.

Heritage Spanish I (H)

☎ 5634 SPAN 201A4 (5) 9-9:50am Daily WSC 210 Gorecki

Introduction to academic Spanish for heritage/native speakers. Course is first sequence designed to prepare speakers for more advanced study. Areas of focus included grammar terminology, spelling, accentuation, reading, writing and discussion of cultural topics. Prerequisite: native or heritage speaker of Spanish, instructor permission required.

Spanish V (H)

☎ 5640 SPAN& 222A4 (5) 11-11:50am Daily WSC 109 Gorecki

Discuss Hispanic cultures in Spanish, develop oral and written skills, review and expand essential points of grammar, and build vocabulary. Prerequisite: SPAN& 221 or permission from the instructor.

SPEECH**Fundamentals of Public Speaking (H)**

☎ 5641 SPEE 101A4 (3) 10-10:50am MWF WAH 115 Fisher

A course focusing on development, preparation, and delivery skills for beginning public speakers. Attention given to anxiety reduction techniques in addition to the preparation and use of visual aids in informative and persuasive speeches.

STUDENT DEVELOPMENT**Study Skills**

5618 SDEV 099A (1-5) 5-7:20pm MW KMP 104 Shriver

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

Career Planning

☎ 5619 SDEV 105AP1 (2) Online Mercer

☎ 5620 SDEV 105BP1 (2) Online Mercer

Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects. Lab fee \$17.94.

Student Success

☎ 5621 SDEV 150A4 (3) 12-12:50pm MWF LIB 003A Burr

College success strategies; goal-setting, time management, memory improvement, textbook reading strategies, note-taking, test-taking, project management. Taught by lecture, group and individual work. Includes Saturday field trip for challenge course activities. Lab fee \$36.91.

WELDING**CAD for Industry**

☎ 5160 CAD 115A4 (3) 3-3:50pm MTWTh WAH 212 Alves

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.

MIG Welding

6190 WELD 164A (12) 11am-2:50pm Daily TEC 103 Peters

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. Lab fee \$143.09.

Oxyacetylene and Gas Tungsten Arc Welding

5646 WELD 180N (5) 5-8:50pm TTh TEC 103 Bhagwandin

Safety, setup, brazing, cutting, and welding in all positions using oxyacetylene and gas tungsten arc welding equipment. Lab fee \$73.78.

Shielded Metal Arc Welding

5648 WELD 181N (5) 5-8:50pm TTh TEC 103 Bhagwandin

Safety, setup, and welding in all positions using AC/DC arc welding equipment. Lab fee \$73.78.

Gas Metal Arc Welding

5649 WELD 182N (5) 5-8:50pm TTh TEC 103 Bhagwandin

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

Designed to help improve the five areas of health-related physical fitness-cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Participants will be encouraged to work at their own level of fitness. Class fee \$25. Class meets 1/7, 1/21, and 2/4.

Adv. Gas Shielded Arc Welding

5650 WELD 267A (12) 8-11:50am Daily TEC 105 Driscoll

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. WABO certification testing is included. Prerequisite: WELD 164 or instructor permission. Lab fee \$138.75.

BACHELOR OF APPLIED SCIENCE CLASSES

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

Acctg Prin for Mgrs

☎ 5074 ACCT 310N3 (5) 7-8:50pm T WSC 109 Bragg

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.

Federal Taxation Issues

☎ 5075 ACCT 403N3 (5) 7-8:50pm T WSC 213 Rabe O

The application of tax law and internal revenue code used to complete tax returns associated with not-for-profit entities, estates, and trusts. Prerequisite: ACCT& 202 or by permission.

Prof & Org Communication

☎ 5235 CMST 330N3 (5) 6-7:50pm Th WSC 206 McClain

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.

Hydraulics II

☎ 5252 DET 330A4 (5) 8-10:50am MTWTh TEC 159 Conrad
1:30-2:50pm MTW TEC 159 Conrad

The study and application of complex hydraulic systems with an emphasis on troubleshooting and system design. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 1/3 - 2/2.**

Combustion Engine Fuels

☎ 5253 DET 340A4 (5) 8-10:50am MTWTh TEC 154 Lucas
1:30-2:50pm MTW TEC 154 Lucas

Identify and comprehend a variety of alternative power sources used in internal combustion engines. Power sources to be included are: diesel fuel, bio-diesel, gasoline, ethanol, propane, and CNG fueled engines. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 2/6 - 3/16.**

Material Science of Fluids

☎ 5255 DET 400A3 (5) 8-10:50am MTWTh TEC 154 Fay
1:30-2:50pm MTW TEC 154 Fay

Oil, fuel, and coolant properties and functions. Field sampling and laboratory testing of fluids will be performed. Results of testing will be interpreted and explained at a customer level. Prerequisite: enrollment in BAS-DT or by permission. Lab fee \$100. **Class meets 1/3 - 2/2.**

Regulatory Issues

☎ 6191 DET 410A4 (5) 8:30-10:50am MTWTh TEC 159 McCarthy

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 by permission. **Class meets 2/6 - 3/16.**

Ethics

☎ 5401 HUM 315N3 (5) 5-6:50pm T WSC 109 Mitchler

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. Prerequisite: BMGMT 300 or DET 300.

Software Engineering I

☎ 6104 IT 330A3 (5) 1-2:50pm MWF WAH 214 Small

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

Advanced Databases

☎ 6192 IT 350A4 (5) 1-3:30pm TTh WAH 214 Small

A second course in Application/Software Engineering. Introduces test-driven development. Coding exercises include building unit tests and application code based on the requirements documentation of a project. Lab fee \$50.

Managerial Statistics

☎ 5486 MATH 350N3 (5) 6-7:50pm Th WSC 213 Kiekel

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

Foundations of Management

☎ 6114 MGMT 300N3 (5) 5-6:50pm M WSC 110 Smejkal

Foundation course that explores organizational theory and introduces the principles and concepts of effective management including planning, organizing, leading, and controlling. Effective decision-making, conflict resolution, change management and motivating employees will be discussed. Prerequisite: ENGL& 101 or instructor permission.

Practicum in Management

☎ 6115 MGMT 370N3 (5) 7-8:50pm M WSC 109 Bruhn

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.

Marketing for Managers

☎ 6116 MGMT 380N3 (5) 6-7:50pm W WSC 109 Crawford

A core course designed to develop the marketing knowledge and skills necessary for the successful manager of a profit or non-profit organization. Students will develop and present a comprehensive marketing plan.

Project Mgmt Application

☎ 5501 MGMT 410N3 (5) 7-8:50pm T WSC 107 Ward

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

Strategic Management

☎ 5502 MGMT 490N3 (5) 5-6:50pm T WSC 206 McClain

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

MORTON -SPECIAL INTEREST

Middle Eastern Dance

□ 6204 ASI 014R (1) 6:30-7:30pm T MOR Nixon

Learn and practice dance postures, flexibility, and dance movements traditional to Middle Eastern cultures. Discover rich and varied music and movement inherent in Middle Eastern dance. Dress for exercise. Class fee \$25. This class is held at the Tiller Art Center on Main Street in Morton.

Better Bones and Balance

□ 5094 ASI 015R (1) 9:30-10:30am TTh MOR 101 Jones

Reap the benefits OSU Bone Research studies have shown: this exercise program can significantly slow loss of bone density in adults of all ages as well as improve balance, flexibility, coordination, muscle tone and overall body fitness. Class fee \$25.

Tai Chi Basics

□ 6206 ASI 018R (1) 6:30-7:20pm M MOR 101 Abe

Develop balance, strength, and relaxation in motion with Tai Chi stances and exercises focusing on body alignment and body mechanics. Students will work at their own level of fitness. Class fee \$25.

Alternative Medicine

6224 ASI 036R (2) 1-2:50pm M MOR 101 Nixon

The concept of wellness versus disease treatment, self-care, and the mind-body connection will be explored through this overview of alternative medicine which will include herbal medicine, homeopathy, nutritional therapy, aromatherapy, and reflexology. Class fee \$45.

Natural Hazards of the Northwest

6210 ASI 047S (1) 6:30-7:50pm W MOR 101 Fagin

Students will be introduced to the geologic hazards within our PNW tectonic setting including earthquakes and volcanic processes. Students will also explore the causes of landslides, floods, and other local hazards. Class fee \$30.

Tribal Art & Rhythms

□ 6106 ASI 050R (2) 11:30am-2:20pm W MOR 101 Cantin

Discover and explore the visual art of the indigenous peoples of the world through slide lectures, seminars, and creative hands-on art activities, including Afro-Cuban rhythms, mask-making and festival projects. This three-hour art workshop is designed for adults of all artistic abilities and experience. Our special focus will be the art and cultures of Africa, Oceania, and the Americas, and their influence on the contemporary art of today. Class fee \$51.

Introductory Spanish I

6262 ASI 060R (2) 3:30-5pm Th MOS Martinez

Beginning Spanish language skills: pronunciation, grammar, conversation, culture, and history. Class fee \$45.

Exploring Literature

6211 ASI 065R (2) CANCELED

Exploration (through reading and writing) of various literary genres to include poetry, creative nonfiction, short fiction and drama in an interactive workshop environment. Class fee \$45.

MORTON - BUSINESS MANAGEMENT

Microsoft Excel-Brief

□ 5623 SMGT 120R (2) 1:30-3pm Th MOR 112 Cantin

Courseware incorporates an accelerated, step-by-step, project-based approach, students develop an introductory level competency in Excel learning to create, edit, format, calculate and add special features to spreadsheets. Prerequisite: some computer experience. Class fee \$45.13.

Social Media Tools

□ 6212 SMGT 124S4 (2) 6-8:30pm Th MOR 112 Martin

Develop the skills to launch and maintain a personal, business-related, or organizational web site or social media presence; introduction to web tools to personal, cause-related or business related audiences; and overview of marketing and community building efforts via the internet. Class fee \$45.

Put Yourself on the Map

6235 SMGT 126A (2) 6-8:30pm Th MOR 112 Martin

Use web tools to effectively share crucial information about your business. Understand the importance of an internet presence and learn the basic skills for launching, maintaining and updating a business-related website or social media presence. Class meets 3/9, 16, 23, and 30. Class fee \$45.33.

Introduction to Bookkeeping I

□ 5624 SMGT 152S4 (3) 5:30-6:20pm MTW MOR 101 Langrell

Fundamentals of double-entry accounting as applied to bookkeeping systems and the development of the accounting cycle for small businesses. The first in a series of two classes. Prerequisite: Basic math skills. Class fee \$65.13.

Computer Keyboarding

□ 5625 SMGT 157R (2) 12:30-1:30pm TTh MOR 112 Cantin

Beginning keyboarding. Upon completion of this class, students should be able to type at 20 wpm. Class fee \$45.13.

Microsoft Word

□ 5626 SMGT 197R (3) 2-3:50pm T MOR 112 Cantin

Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft Word learning to create, edit, format, and add graphics to documents. In addition to effectively plan, research, write and publish documents. Prerequisite: General understanding of personal computers and Windows. Class fee \$65.13.

Microsoft PowerPoint

□ 5627 SMGT 298R (3) 2-3:30pm T MOR 112 Cantin

Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft PowerPoint learning to create, edit, and format professional presentations using tables, graphics, sound, animation, SmartArt and other common features. Class fee \$65.13.