

**USING THE CLASS SCHEDULE**

This class schedule lists all credit-bearing courses offered at Grays Harbor College for Winter Quarter 2010. Arranged alphabetically by department, each course listing includes the line number, department, course number, section, credits, day(s), time and location along with any special type of class. Here is an example of a day course from our Mathematics Department (evening courses are **Highlighted**):

D862	MATH	107	A	Daily	10:00AM-10:50AM	800	I-TV	Koskela J
Item No.	Dept	Course	Section	Days	Time	Room	Course type	Instructor

**ACCOUNTING**

**ACCT 113 Introduction to Accounting I** 5  
*Prerequisites: READ 090, completion of or current enrollment in MATH 070 or instructor permission.*

Theory and practice of double-entry bookkeeping and accounting for professional, service and merchandising business organizations. Coverage of both cash and accrual systems with preparation of worksheets, adjusting and closing entries, reversing entries, and financial statements. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

A400	ACCT	113	A	MTWTh	9:00AM-9:50AM	308	H5	Jones D
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**ACCT& 201 Principles of Accounting I** 5  
*Recommended Preparation: CIS 102. Prerequisites: MATH 098 or placement in MATH& 107 or higher. Completion of ENGL 095 or placement in ENGL& 101 or instructor permission.*

A foundation course for accounting program students and students planning to transfer to a four-year institution. The theory and practice of financial accounting are introduced and developed. Involves the measuring of business income and expenses, the accounting cycle, merchandising transactions, the sole proprietorship form of business organization and the relationship and preparation of the accounting statements. Includes emphasis on the accounting for current assets, property, plant and equipment. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

A410	ACCT&	201	A	MTWTh	12:00PM-12:50PM	308	H5	Jones D
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**ADULT BASIC EDUCATION**

**BASED 023 Basic Skills III** 1-25  
 Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score 211-220 on a CASAS test (grade equivalents 4.0-5.9).

J703	BASED	023	317	MTWTh	9:00AM-1:00PM	2207	Aiken S
J723	BASED	023	327	MWTh	2:00PM-3:30PM	2207	Ferry B

**BASED 024 Basic Skills IV** 1-25  
 Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score 221-235 on a CASAS test (grade equivalents 6.0-8.9).

J704	BASED	024	317	MTWTh	9:00AM-1:00PM	2207	Aiken S
J724	BASED	024	327	MWTh	2:00PM-3:30PM	2207	Ferry B

**BASED 025 GED Prep I** 1-25  
 Non-transfer credit instructional course for adult and family literacy students who have a goal of earning the General Educational Development (GED) equivalency certificate who, at intake, score 236-245 on a CASAS test.

J705	BASED	025	317	MTWTh	9:00AM-1:00PM	2207	Aiken S
J725	BASED	025	327	MWTh	2:00PM-3:30PM	2207	Ferry B

**BASED 026 GED Prep II** 1-25  
 Non-transfer credit instructional course for adult and family literacy students who have a goal of earning the General Educational Development (GED) equivalency certificate who, at intake, score 246-255 on a CASAS test.

J706	BASED	026	317	MTWTh	9:00AM-1:00PM	2207	Aiken S
J726	BASED	026	327	MWTh	2:00PM-3:30PM	2207	Ferry B

**AIDS**

**AIDS 102 Health Care Perspective on AIDS** 0.8  
*NOTE: This course is offered on an independent study basis. Students can enroll at any time through the end of the quarter.*

A workshop meeting WAMI, HIV, core curriculum requirements aimed at health care professionals to meet licensing requirements related to AIDS training.

X703	AIDS	102	37	ARR	ARR ARR		Woodruff P
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**ALCOHOL/SUBSTANCE ABUSE**

**ALSA 125 The Dysfunctional Family** 3  
 Examines major family counseling theories and their application to the family system that is being affected by and is affecting the chemically dependent person. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

X705	ALSA	125	17	T	6:00PM-8:20PM	2103	Kahl L
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**ALLIED HEALTH**

**AHLTH 130 Medical Terminology** 3  
*Prerequisite: READ 090 or placement in college level reading.*

A self-programmed, module course designed to build a basic knowledge of medical vocabulary. The material presents a logical step-by-step method of learning medical terminology. The student is able to recognize and build thousands of terms after learning the meaning of a few word parts. CD ROMs enhance learning. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

C400	AHLTH	130	A	MTW	11:00AM-11:50AM	308	Carter D
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**AHLTH 150 Comprehensive Medical Terminology** 5  
*Prerequisite: READ 090 or placement in college level reading.*

This course presents a comprehensive systems approach to the study of selected roots, prefixes, and suffixes; principles of word building; study of diagnostic, operative, and symptomatic terms of the various systems of the body. There is an emphasis on accurate spelling and pronunciation of all medical terms. Study includes common medical abbreviations, selected eponyms, clinical laboratory procedures and radiology procedures with associated terminology for each body system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

C040	AHLTH	150	37	MTh	6:00PM-8:00PM	2206	Boneville V
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**AMERICAN SIGN LANGUAGE**

**ASL 197 Beginning Sign Language II** 3  
*Prerequisite: ASL 196 or instructor permission.*

This course is the second in a series of three which introduces students to American Sign Language (ASL) grammar, finger-spelling, numbers, Deaf culture and history in North America. ASL is the language used predominantly by the Deaf communities in the U.S. and Canada. This beginning course is designed to provide non-native signers an opportunity to sign.

X771	ASL	197	17	T	5:30PM-8:35PM	2104	Ramsey A
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**ART**

**ART 101 Drawing I** 5  
*Prerequisite: ENGL 095 or placement in ENGL& 101.*

A practical introduction to the methods, materials and visual elements necessary to draw from life. The basic skills and vocabulary of representing visual elements necessary to draw from life. The basic skills and vocabulary of representing visual observations will be discussed, demonstrated and practiced. This course is an exploration of concepts and techniques basic to representational drawing. Projects chosen by the instructor will develop, through observation, the skills applicable to perspective drawing, landscape, still life, the human figure, and graphic layout. Through demonstration, critique, and problem-solving, students will be exposed to the traditions of two-dimensional representation in black and white including the elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

B403	ART	101	A	TTh	10:00AM-11:50AM	321	Sandgren E
				ARR	ARR	321	Sandgren E

**ART 102 Drawing II** 5  
*Prerequisites: ART 101 or ART 104.*

Further application of the principles, materials, and methods presented in ART 101 with increased emphasis on effective development of form, volume and expressive composition. This course is designed to extend basic skill levels and encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101. Through demonstration, critique, and individual problem-solving, students will further their understanding of the traditions of two-dimensional representation in black and white using the familiar elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

B406	ART	102	A	TTh	10:00AM-11:50AM	321	Sandgren E
				ARR	ARR	321	Sandgren E

**ART 103 Drawing III** 5  
Prerequisites: ART 102.

Advanced study of principles and methods of observational drawing with special attention to traditional concepts and contemporary forms. In addition to studio assignments, independent projects will be developed jointly by student and instructor. This course is designed to encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101 and 102. Drawing from observation and the in-class study of visual relationships will continue to be emphasized as well as synthesizing images from a variety of other sources. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

B409	ART	103	A	TTh	10:00AM-11:50AM	321	Sandgren E
				ARR	ARR	321	Sandgren E

**ART 104 Design I** 5  
Recommended Preparation: ENGL& 101. Prerequisite: ENGL 095 or placement in ENGL& 101.

A practical introduction to the basic elements, techniques, and principles of two-dimensional visual art with an emphasis on projects using line, shape, pattern, and interval in black and white. This course introduces the visual principles essential to all graphic design and the visual aspects of web design and desktop publishing. Use of the personal computer as a design tool is encouraged. The basic goals of this course are for the student to learn the elements of the form-language, become aware of traditional practices and materials, and develop concepts and skills useful in graphic problem-solving. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

B413	ART	104	A	MW	10:00AM-11:50AM	321R	Sandgren E
				ARR	ARR	321	Sandgren E

**ART& 100 Art Appreciation** 5  
Recommended Preparation: ENGL& 101. Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

A study of the basic elements of visual form and their application to the variety and richness of art. Traditional and contemporary art from around the world, including architecture, design, painting, photography, and sculpture are examined in ways that provide meaningful responses to form and content. The broad objective of this course is for the student to recognize and become conversant with the basic concepts, styles, terminology, and elements of visual art. Major examples of two- and three-dimensional art will be examined and discussed. 5 lecture hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

B402	ART&	100	A	MTWTh	9:00AM-9:50AM	2255	Sandgren E
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**ASTRONOMY**

**ASTRO 101 Astronomy** 5  
Prerequisite: MATH 098 or placement in college level math.

This course provides an introduction to the universe beyond the Earth. The course begins with a study of the night sky and the history of astronomy. The course then explores the various objects seen in the cosmos beginning with a study of the solar system followed by stars, galaxies, and the evolution of the universe itself. 5 lecture hours. Satisfies science distribution area E requirement or specified elective for the AA degree.

D400	ASTRO	101	A	DAILY	9:00AM-9:50AM	806	Hillier J
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**AUTO TECHNOLOGY**

**AUTO 212 Fuel Systems/Electronic/Computer Controls** 16  
Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

This course is an advanced study of the fuel management systems presently used in current emission, fuel economy and performance requirements of the modern automobile. The course includes an in-depth study of fuel injection systems used on domestic and foreign vehicles. Included in the class will be identification of components, on car diagnosis, replacement of components. Utilization of modern test equipment such as scanners and analyzers will be stressed. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F410	AUTO	212	A	DAILY	7:30AM-11:50AM	1916	Samson D
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**AUTO 224 Cooperative Work Experience** 1-5  
Prerequisite: Instructor permission.

Students participate in on-the-job training as volunteers or for pay. Students achieve specific learning objectives based on job-related conferences, faculty work-site visitations, and other appropriate assignments. 5-25 hours per week. Vocational program course. May be used as a general elective in the AA degree.

F412	AUTO	224	A	ARR	ARR	1916	Samson D
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**BIOLOGICAL SCIENCES**

**BIOL& 160 General Biology** 5  
Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; MATH 095 or placement in MATH 098 or higher.

An introduction to the processes and principles that are common to all living things. The chemistry of life, cell structure and function, molecular basis of heredity, Mendelian genetics, and evolutionary theory are covered. This course is intended for, but not limited to, students intending to continue in biology or the health sciences. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

D402	BIOL&	160	A	MTWTh	12:00PM-12:50PM	317	Ibrahim M
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**BIOL& 160L General Biology Lab** 0  
Corequisite: Concurrent enrollment in BIOL& 160 Lecture.

D404	BIOL&	160L1	W	1:00PM-2:50PM	311	Ibrahim M
D405	BIOL&	160L2	Th	1:00PM-2:50PM	311	Ibrahim M

**BIOL& 223 Biological Science III: Plant/Animal A & P** 5  
Prerequisites: A grade of "C" or better in BIOL& 222 or instructor permission. Corequisite: Concurrent enrollment in BIOL& 223 lab.

The third course in a three-quarter sequence for students intending to take advanced courses in the biological sciences or to enroll in pre-professional health programs. The course covers basic botanical and zoological concepts, emphasizing structure and function with the central theme being evolution and diversity. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree. Offered winter quarter.

D407	BIOL&	223	A	MTWTh	10:00AM-10:50AM	311	Ibrahim M
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**BIOL& 223L Biological Science III: Plant/Animal A & P Lab** 0  
Corequisite: Concurrent enrollment in BIOL& 223 lecture.

D408	BIOL&	223L1	F	1:00PM-3:50PM	311	Ibrahim M
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**BIOL& 241 Human Anatomy/Physiology I** 5  
Recommended Preparation: AHLTH 130. Prerequisites: Grade of "C" or better in BIOL& 160 or BIOL& 221 within the last 5 years, or instructor permission. Corequisite: Concurrent enrollment in BIOL& 241 Lab.

An integrated study of the structure and function of the human body. The following systems are studied: integumentary, skeletal, muscular and nervous. 4 lecture hours; 3 lab hours. Satisfies specified elective requirement for the AA degree.

D416	BIOL&	241	A	MTWTh	9:00AM-9:50AM	317	Carter D
D417	BIOL&	241	B	MTWTh	10:00AM-10:50AM	317	Carter D
X708	BIOL&	241	17	TTh	5:30PM-8:45PM	317	Carter D

**BIOL& 241L Human Anatomy/Physiology I Lab** 0  
Corequisite: Concurrent enrollment in BIOL& 241 Lecture.

D419	BIOL&	241L1	M	1:00PM-3:50PM	315	Carter D
D420	BIOL&	241L2	T	1:00PM-3:50PM	315	Carter D
D421	BIOL&	241L3	W	1:00PM-3:50PM	315	Carter D
D422	BIOL&	241L4	Th	1:00PM-3:50PM	315	Carter D

**BUSINESS**

**BA 124 Cooperative Work Experience** 1-5  
Prerequisite: Instructor permission.

This course involves supervised work experience for freshmen as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

A414	BA	124	A	ARR	ARR	ARR	Miller D
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**BA 140 Business English** 3  
Prerequisite: A grade of "C" or better in ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

The study of English grammar, spelling, and punctuation as particularly applied to business applications. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

A416	BA	140	A	MWTh	11:00AM-11:50AM	2204	Blankenship
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**BA 150 Fundamentals of Finance** 5  
Prerequisites: BA 104; ACCT 113 or ACCT& 201 or instructor permission.

This course presents the basics of financial analysis, forecasting, operating and financial leverage, working capital, current asset management, short term financing, and investment options. Orientation will be towards small business and personal finance. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

A418	BA	150	A	MTWTh	1:00PM-1:50PM	2204	H5 Blankenship
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**BA 224 Advanced Cooperative Work Experience** 1-5  
Prerequisite: BA 124 and instructor permission.

This course involves supervised work experience for sophomores as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

A423	BA	224	A	ARR	ARR	ARR	Miller D
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**BA 281 Client-Customer Relations 5**  
*Prerequisite:* CIS 102, CIS 130, and CIS 161; or comprehensive experience using computers and instructor permission.

*Corequisite:* Concurrent enrollment in BA 281 Lab.

This course provides the general principles of customer service within a technical environment. Topics include internal/external customer relationships, best practices, and verbal and non-verbal communications skills. Designed to be "how to" oriented, the course uses lectures and exercises to provide students specific techniques they can use to acquire and demonstrate business skills, soft skills, and self-management skills. The course also describes the "bigger picture" benefits of acquiring and demonstrating those skills. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A428 BA 281 A MTWTh 10:00AM- 10:50AM 850 Lloyd S

**BA 281L Client-Customer Relations Lab 0**  
*Corequisite:* Concurrent enrollment in BA 281 Lecture.

A429 BA 281L1 ARR ARR ARR Lloyd S

**BUS& 101 Introduction to Business 5**  
*Prerequisites:* Math 060 and READ 060 or instructor permission.

Introduction to Business is a general course designed to provide an understanding of how the American business system operates and its place in the economy. The course provides background for more effective and better use of business services in personal affairs as well as foundation for future courses in various business programs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

A412 BUS& 101 A MTWTh 11:00AM-11:50AM 310 H5 Oestreich

**BUS& 201 Business Law 5**  
*Prerequisite:* READ 060 or instructor permission.

A study of the United States legal system, institutions and processes. Principles of the law of contracts, sales, property, negotiable instruments, secured transactions, agency and business organizations. Includes legal reasoning. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

A421 BUS& 201 A MTWTh 12:00AM-12:50AM 2202 H5 Zerr M

**CARPENTRY TECHNOLOGY**

**CARP 121 Residential/Commercial Carpentry I 16**  
*Prerequisites:* Placement in MATH 060 and ENGL 060; and instructor permission.

F435 CARP 121 A DAILY 7:30AM-11:50AM 706 Pratt A

**CARP 122 Residential and Commercial Carpentry II 16**  
*Prerequisite:* Completion of CARP 111 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 121. Training increases skills and expands tasks learned in CARP 121. Students may participate in the construction of a home on a working jobsite. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F440 CARP 122 A DAILY 7:30AM-11:50AM 706 Pratt A

**CARP 123 Residential and Commercial Carpentry III 16**  
*Prerequisite:* Completion of CARP 121 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 122. Training increases skills and expands tasks learned in CARP 122. Students may participate in the construction of a home on a working jobsite. Tasks are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F445 CARP 123 A DAILY 7:30AM-11:50AM 706 Pratt A

**CARP 221 Residential and Commercial Carpentry IV 16**  
*Prerequisite:* Completion of CARP 123 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 121-123. Training increases skills and expands tasks learned in CARP 121-123. Students may participate in the construction of a home on a working jobsite. Tasks completed to industry standards and increase in complexity. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F450 CARP 221 A DAILY 7:30AM-11:50AM 706 Pratt A

**CARP 222 Residential and Commercial Carpentry V 16**  
*Prerequisite:* Completion of CARP 221 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 121-221. Training increases skills and expands tasks learned in CARP 121-221. Students may participate in the construction of a home on a working jobsite. Tasks completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F455 CARP 222 A DAILY 7:30AM-11:50AM 706 Pratt A

**CARP 223 Residential and Commercial Carpentry VI 16**  
*Prerequisite:* Completion of CARP 222 with a passing grade and instructor permission.

A lecture-lab course to build upon the carpentry skills learned in CARP 121-222. Training increases skills and expands tasks learned in CARP 121-222. Students may participate in the construction of a home on a working jobsite. Tasks are completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. Course includes a capstone exam to ensure retention of competency in previous Carpentry Technology program topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F460 CARP 223 A DAILY 7:30AM-11:50AM 706 Pratt A

**CHEMISTRY**

**CHEM& 121 Introduction to Chemistry w/Lab 5**  
*Prerequisites:* A grade of "C-" or better in MATH 095 or placement in MATH 098. *Corequisite:* Concurrent enrollment in CHEM& 121 Lab.

A survey of general chemical principles, including elements and compounds, atomic structure and periodic properties, chemical reactions, energy, equilibrium and kinetics, solutions, acids and bases, and nuclear chemistry. This course is intended for allied health and natural resources majors, as well as those students pursuing an AA degree. It also serves as the prerequisite for CHEM& 161 for students who have not completed one year of high school chemistry. This course, with CHEM& 131, constitutes a terminal sequence in chemistry and does not prepare a student for a second year of chemistry. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement are B distribution or specified elective for the AA degree.

D427 CHEM& 121 A MTThF 11:00AM-11:50AM 800 Nelson J

**CHEM& 121L Introduction to Chemistry Lab 0**  
*Corequisite:* Concurrent enrollment in CHEM& 121 Lecture.

D431 CHEM& 121L1 W 11:00AM-12:50PM 854 Nelson J  
 D432 CHEM& 121L2 W 1:00PM- 2:50PM 854 Nelson J

**CHEM& 162 General Chemistry w/Lab II 6**  
*Prerequisites:* A grade of "C-" or better in both CHEM& 161 and MATH& 141 (or placement in MATH& 142). *Corequisite:* Concurrent enrollment in CHEM& 162 Lab.

A continuation of general chemistry including bonding and molecular structure, states of matter, solutions, kinetics, equilibria, and acids and bases. Laboratory work includes elementary quantitative analysis. 4 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

D441 CHEM& 162 A MTWF 9:00AM- 9:50AM 802 Jones R

**CHEM& 162L General Chemistry Lab II 0**  
*Corequisite:* Concurrent enrollment in CHEM& 162 Lecture.

D444 CHEM& 162L1 TTh 1:00PM- 2:50PM 858 Jones R

**CHEM& 262 Organic Chemistry w/Lab II 6**  
*Prerequisites:* A grade of "C-" or better in CHEM& 261 or instructor permission. *Corequisite:* Concurrent enrollment in CHEM& 262 Lab.

This course is a continuation of CHEM& 261. Structure, nomenclature, reactions and synthesis of aldehydes, ketones and aromatic compounds. Grignard synthesis of alcohols. Free radical reactions. 3 lecture hours; 6 lab hours. Satisfies specified elective requirement for the AA degree.

D448 CHEM& 262 A MTWTh 8:00AM- 8:50AM 802 Nelson J

**CHEM& 262L Organic Chemistry Lab II 0**  
*Corequisite:* Concurrent enrollment in CHEM& 262 Lecture.

D449 CHEM& 262L1 TTh 1:00PM- 2:50PM 854 Nelson J

On Campus - Day & Night Classes



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## Winter 2010

### COMMERCIAL DRIVER LICENSE

#### CDL 101 Commercial Driver's License Training 8

*Prerequisites:* Place 22 or higher on CASAS test or place at READ 080, program application packet, clear 3-year driving abstract. DOT physical; valid CDL permit from Washington State; meet the Federal Motor Carrier Safety Regulations, Sections 391.41 and 391.49; 5), pass a DOT alcohol and substance abuse test (contact 360-538-4011 for all program details). Concurrent enrollment in CDL 120 and 130. All core CDL courses need to be completed with a grade of "C" or better.

Training is for entry-level long haul truck driving jobs and CDK testing. This course begins with the basics of the trucking industry and the equipment involved; DOT rules and regulations; safety, mechanical overview of the trucks; control systems, inspection of equipment; mechanical components; brake adjustment; preventative maintenance; servicing; defensive driving techniques; cargo loading, securement and documentation; trip planning; managing life on the road, personal resources, defensive driving; and communication and multicultural competencies are stressed.

F481 CDL 101 A TTh 7:30AM-5:00PM SATSOP Scott L

#### CDL 120 Range Operations and Equipment 2

*Corequisites:* Concurrent enrollment in CDL 101 and 130.

After the classroom instruction, students will move to the practice area and backing range. This includes but is not limited to safety, vehicle control, starting, shifting, proper cornering, straight backing and docking, backing and maneuvering.

F482 CDL 120 A TTh 7:30AM-5:00PM SATSOP Scott L

#### CDL 125 Range Operations and Maneuvers II 5

*Prerequisites:* Completion of CDL 101, 120 and 130 with a grade of "C" or better. *Corequisites:* Concurrent enrollment in CDL 135, 140, and 141.

Students will enhance and practice backing and maneuvering skills. This will include but is not limited to safety, 45 degree blind site backing, 90 degree sight backing, 90 degree blind sight backing, "S" backing, and other advanced backing and maneuvering.

F485 CDL 125 A MW 7:30AM-5:00PM SATSOP Scott L  
F ARR ARR Scott L

#### CDL 130 Range Operations and Beginning Over the Road 6

*Corequisites:* Concurrent enrollment in CDL 101 and 120.

After the classroom instruction and basics in the practice area and backing range, students will begin over the road practice. This will include but not be limited to safety, visual search, vehicle communication; speed and space management; up- and down-hill maneuvers; highway, city and driving maneuvers and techniques; lane changes; and defensive driving.

F483 CDL 130 A TTh 7:30AM-5:00PM SATSOP Scott L

#### CDL 135 Over the Road Driving II 3

*Corequisites:* Concurrent enrollment in CDL 125, 140, and 141.

Students will enhance and practice over the road skills. This will include, but not be limited to, safety; night operations; extreme driving conditions; hazard perception; emergency maneuvers and skid avoidance; skid control and recovery; and other advanced driving techniques.

F486 CDL 135 A MW 7:30AM-5:00PM SATSOP Scott L  
F ARR ARR Scott L

#### CDL 140 Work Based Learning Seminar 1

*Corequisites:* Concurrent enrollment in CDL 125, 135, and 141.

Discussion of issues surrounding the work site experiences in CDL 141. Work ethics, leadership, interpersonal communication, problem-solving and success in the work place are emphasized.

F487 CDL 140 A MW ARR SATSOP Church K  
F ARR ARR Church K

#### CDL 141 Work Based Learning 7

*Corequisites:* Concurrent enrollment in CDL 125, 135, and 140.

Advanced on-the-job training for entry-level long haul truck driving jobs and CDL testing. Truck drivers in the program are on the road for approximately 231 hours (split between driving time and navigating time). Behind the wheel practice includes backing techniques, proper cornering, up- and down-hill maneuvers, space and speed management, coupling/uncoupling, city and highway maneuvers. Training on cargo loading, securement and documentation, map reading, DOT logbooks, trip planning, accident and fire prevention and reporting, hazardous material transportation and documentation.

F488 CDL 141 A ARR ARR ARR Church K

#### FKLT 101 Forklift Certification Training 1

This class provides all the necessary instruction and training required by the forklift regulation and it prepares the student for the site-specific evaluation required by regulation (the forklift code requires that all forklift operators be evaluated by the employer operating forklifts in the actual work environment). Forklift operator certification is required every three years or sooner if the operator fails the evaluation; uses unsafe behavior; or has an accident or near miss. Training is completed in one day.

F490 FKLT 101 A ARR 7:30AM-5:00PM SATSOP Church K

### COMPUTER INFORMATION

#### CIS 100 Introduction to Personal Computers 2

*Corequisite:* Concurrent enrollment in CIS 100 Lab.

This is a basic computer literacy course designed to provide a beginning level of competency in using personal computers as productivity tools. Hardware and software components will be introduced, and students will learn the purpose and uses of operating systems and of word processing with Word. This course is graded Pass/Fail. 1 lecture hour; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A434 CIS 100 A T 9:00AM-9:50AM 2312 Holm M  
A436 CIS 100 B T 12:00PM-12:50PM 2312 Blankenship

#### CIS 100L Introduction to Personal Computers Lab 0

*Corequisite:* Concurrent enrollment in CIS 100 Lecture.

A435 CIS 100L1 Th 9:00AM-9:50AM 2312 Holm M  
ARR ARR 2312 Holm M  
A437 CIS 100L2 Th 12:00PM-12:50PM 2312 Blankenship  
ARR ARR 2312 Blankenship

#### CIS 101 Keyboarding 2

This course is designed to teach students the touch system in using the computer keyboard. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A441 CIS 101 A TTh 11:00AM-11:50AM 2205 H5 Miller D  
A440 CIS 101 B MW 12:00PM-12:50PM 2205 H5 Miller D

*NOTE: Item A440 begins on Feb. 8 and ends on March 24, 2010*

#### CIS 102 Microcomputer Applications 3

*Recommended Preparation:* CIS 100 and CIS 101 or concurrent enrollment.

*Prerequisite:* READ 080. *Corequisite:* Concurrent enrollment in CIS 102 Lab.

This course introduces computer systems with emphasis on applications. Students will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

A442 CIS 102 A MW 10:00AM-10:50AM 2312 Blankenship  
A443 CIS 102 B TW 11:00AM-11:50AM 2312 Holm M  
X734 CIS 102 37 T 6:00PM-8:00PM 2312 H5 Miller D

*Note: This is a Hybrid class, students will meet on campus for four sessions on January 5, February 2, March 2 and 23, 2010*

#### CIS 102L Microcomputer Applications Lab 0

*Corequisite:* Concurrent enrollment in CIS 102 Lecture.

A446 CIS 102L1 Th 10:00AM-10:50AM 2312 Blankenship  
ARR ARR 2312 Blankenship  
A447 CIS 102L2 Th 11:00AM-11:50AM 2312 Holm M  
ARR ARR 2312 Holm M

#### CIS 125 Internet Fundamentals 5

*Prerequisite:* CIS 102 with a grade of "C" or better or demonstrated proficiency using Windows XP measured by the ability to use the command line and Windows Explorer to locate, create, and manipulate folders and files; or instructor permission. *Corequisite:* Concurrent enrollment in CIS 125 Lab.

The goal of this course is to provide an introduction to Web Browsers, E-mail clients and Basic HTML. This course prepares students to work with and understand the basic concepts and terminology associated with the tools we use today when working with the Internet. Students will learn how to use and configure a web browser, how to use e-mail and finally how to be able to put together a basic web page using HTML tags. Optional lab components will be used to enhance student learning. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A450 CIS 125 A MTW 10:00AM-10:50AM 850 H5 Jones D

#### CIS 125L Internet Fundamentals Lab 0

*Corequisite:* Concurrent enrollment in CIS 125 Lecture.

A451 CIS 125L Th 10:00AM-10:50AM 850 H5 Jones D

#### CIS 140 Word Processing Applications 5

*Prerequisite:* CIS 102 or instructor permission.

This course provides thorough coverage of text editing and formatting using word processing software. Tables, columns, styles, graphics, merge operations, and basic web design are covered. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A454 CIS 140 A TTh 12:00PM-12:50PM 2205 H/TV Miller D

#### CIS 141 PowerPoint 2

*Prerequisite:* CIS 102 or instructor permission.

Students learn and apply intermediate and advanced features of Microsoft PowerPoint to create and modify presentations by customizing the color schemes; adding charts, diagrams, and graphs; importing Word and Excel documents; adding links and animation; and creating self-running presentations. 1 lecture hour; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A456 CIS 141 A MW 11:00PM-11:50PM 2205 H5 Jones D

**CIS 150 Excel** 5  
*Prerequisites: MATH 070; CIS 102 or instructor permission. Corequisite: Concurrent enrollment in CIS 150 Lab.*  
 This course teaches electronic spreadsheet capabilities in realistic private or business related problems. The course emphasizes the skills necessary to create, modify and print a worksheet and includes the use of functions, graphics, data lists, and other enhancements. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A458 CIS 150 A MTWTh 1:00PM- 1:50PM 2312 Holm M  
**CIS 150L Excel Lab** 0  
*Corequisite: Concurrent enrollment in CIS 150 Lecture.*  
 A459 CIS 150L1 MTWTh 1:50PM- 2:15PM 2312 Holm M

**CRIMINAL JUSTICE**

**CJUS 110 Law and Justice** 5  
*Recommended Preparation: ENGL 095 or placement in ENGL& 101.*

Law and Justice will examine the basic trends in law and the social changes made within our communities. The focus will be the study and analysis of the concepts of family law, labor-relations law, welfare law, and civil rights laws as they impact each and every one of us. Same as POL S 110; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E401 CJUS 110 A MTWTh 9:00AM- 9:50AM 2416 H5 Bradbury R

**CJUS 151 Drugs and Our Society** 5  
*Recommended Preparation: Placement in ENGL 095.*

This class is designed to give students a basic understanding of all classifications of drugs. Topics to be covered include the biology of drug action, effects of drugs on the body, dependence and treatment, alternatives to drug use, and drugs and the law. Types of drugs discussed will range from prescription drugs, to alcohol, to illegal drugs, and over-the-counter drugs. Same as HPE 151; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E403 CJUS 151 A MTWTh 10:00AM-10:50AM 2416 H5 Bradbury R  
 E404 CJUS 151 B MTWTh 11:00AM-11:50AM 2416 H5 Bradbury R

**CJUS 258 Criminal Justice Internship** 1- 5  
*Prerequisites: CJ& 101; CJUS 102 or instructor permission. Interns must also meet the requirement set forth by the agency selected.*

On-the-job training experience within a criminal justice agency. Interns work from 55 to 250 hours with or without remuneration. Vocational program course. May be used as a general elective in the AA degree.

E405 CJUS 258 A ARR ARR ARR Bradbury R

**DIESEL TECHNOLOGY**

**DT 121 Introduction to Diesel Technology** 16  
*Prerequisite: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to provide an introduction to safe shop work practices, work ethics, basic tool use, and introduction to basic mechanical tasks. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F471 DT 121 A DAILY 7:30AM-11:50AM 1803 Buisman B

**DT 122 Intermediate Diesel Technology** 16  
*Prerequisite: Completion of DT 121 with a grade of "C" or better and instructor permission.*

A lecture-lab course to build upon skills learned in DT 121. The course promotes work habits and safe work practices. Training increases skills and expands tasks learned in DT 121. Projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F472 DT 122 A DAILY 7:30AM-11:50AM 1803 Buisman B

**DT 123 Advanced Diesel Technology** 16  
*Prerequisite: Completion of DT 122 with a grade of "C" or better and instructor permission.*

A lecture-lab course to build upon skills learned in DT 122. This course continues to promote work habits and safe work practices. Advanced Diesel Technology projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F473 DT 123 A DAILY 7:30AM-11:50AM 1803 Buisman B

**DT 221 Diagnostics, Testing and Repair** 16  
*Prerequisite: Completion of DT 123 with a grade of "C" or better and instructor permission.*

A lecture-lab course to build upon skills learned in DT 121 through DT 123. Individual projects are assigned that will challenge the student and expand upon the skills learned in DT 121 through DT 123 and introduces diagnostics, testing, and problem solving to the student. Individual projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F474 DT 221 A DAILY 7:30AM-11:50AM 1803 Buisman B

**DT 222 Advanced Diagnostics, Testing and Repair** 16  
*Prerequisite: Completion of DT 221 with a grade of "C" or better and instructor permission.*

A lecture-lab course to build upon skills learned in DT 121 through DT 221. This course will see Advanced Individual Projects assigned to students that will emphasize diagnostics, testing, and problem solving by the student and will replicate, as close as possible, real world shop conditions for the student to work in. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F475 DT 222 A DAILY 7:30AM-11:50AM 1803 Buisman B

**DT 223 Certification and Testing** 16  
*Prerequisite: Completion of DT 222 with a grade of "C" or better and instructor permission.*

A lecture-lab course to build upon and confirm the diesel mechanics skills learned in DT 121 through DT 222. Course covers selected industry certification test requirements, procedures, and standards. Successful students will practice and pass selected ASE certification tests. Testing fees may apply for each certification test. Course includes a written and performance capstone exam to ensure retention of competency in previous Diesel Technology program course topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F476 DT 223 A DAILY 7:30AM-11:50AM 1803 Buisman B

**EARTH SCIENCE**

**EARTH 102 Earth Science** 5  
*Recommended Preparation: ENGL 095 or placement in ENGL& 101. Prerequisite: MATH 095 or placement in MATH 098.*

This course provides an introduction to the Earth and the processes that shape our planet. A major theme of the course is how different aspects of the Earth system interact with each other. Selected topics in four basic areas: astronomy, oceanography, meteorology, and geology, and their relation and interaction with the Earth system will be explored. 5 lecture hours. Satisfies science distribution area D requirement or specified elective for the AA degree.

D451 EARTH 102 A DAILY 10:00AM-10:50AM 806 Hillier J

**EMERGENCY MEDICAL TRAINING**

**EMT 054 Emergency Medical Training** 9.2  
*NOTE: Students MUST enroll at the first class session only! Call EMS at 532-2067 for more information. Class takes place at EMS, 2421 Sumner Avenue, Aberdeen, WA or location chosen by EMS. There will be some arranged Saturdays.*

A basic EMT course which includes practical experience, hospital observation, and classroom lectures and discussion of emergency medical care procedures and practices. This course prepares students to pass the Washington State examination for Emergency Medical Technician Certification.

X773 EMT 054 17 MTh 6:00PM-10:00PM EMS Staff  
*NOTE: Class begins on January 9, 2010*

**ECONOMICS**

**ECON& 201 Micro Economics** 5  
*Prerequisite: ECON& 202 or instructor permission.*

An introduction to microeconomics. A study of the decision-making processes of individual economic units including businesses and consumers. Basic theoretical tools are applied to problems of current interest. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

A472 ECON& 201 A MTWTh 11:00AM-11:50AM 2101 H5/ITV Zerr M

# Winter 2010

## EDUCATION

### EDUC 201 Introduction/Orientation to Teaching 5

*Recommended Preparation: ENGL 095 or placement in ENGL&101; READ 090 or placement in college level reading or instructor permission.*

Designed as a course for the student interested in a teaching career. Examines the qualities of good teachers, basic teaching skills, the rewards and responsibilities of teaching, the history and philosophy of teaching, and current innovations in teaching. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E409 EDUC 201 A ARR ARR ARR H Portmann C

### EDUC 202 Education Practicum 3

*Prerequisite: EDUC 201 or instructor permission.*

This course is designed to give the student an opportunity to learn about schools and teachers. It provides early field experiences and related seminar discussions. Observation hours are flexible, but students should be available for periodic seminars. 1 lecture hour; 6 clinical hours. Satisfies specified elective requirement for the AA degree.

E410 EDUC 202 A ARR ARR H Portmann C

## ENGLISH

### ENGL 060 English Language Study 5

*Recommended Preparation: CIS 100 or CIS 101 or concurrent enrollment. Prerequisite: Placement in ENGL 060 or instructor permission.*

ENGL 060 is a basic composition course designed to develop those writing/sentence skills necessary in both everyday writing and subsequent college writing through classroom exercises, group problem-solving, and short writing assignments. Skills gained in this course should help students improve their ability to perform such tasks as writing short-answer tests, brief responses to readings, and brief papers. Designed as preparation for ENGL 095. 5 lecture hours.

H762 ENGL 060 A MTTh 11:00AM-11:50AM 2103 H Winsor S  
H763 ENGL 060 B MTTh 12:00PM-12:50PM 2103 H Winsor S

### ENGL 095 Writing Fundamentals 5

*Prerequisite: Appropriate English placement score or a grade of "C-" or better in ENGL 060.*

ENGL 095 is a developmental course that focuses on a review of writing fundamentals including organization, sentence structure and usage, vocabulary, spelling, and grammar. Writing assignments are generally limited to the paragraph. Skills gained in this course should help students improve their ability to write logically developed short-essay tests and brief, formal summaries and reports. 5 lecture hours.

B448 ENGL 095 A MTWTh 8:00AM- 8:50AM 2104 H5 Neiworth J  
B452 ENGL 095 B MTTh 9:00AM- 9:50AM 2103 H Winsor S  
B449 ENGL 095 C MTWTh 10:00AM-10:50AM 2201 H5 Lerych L  
B450 ENGL 095 D MTWTh 11:00AM-11:50AM 2104 H5 Neiworth J  
B451 ENGL 095 E MTWTh 1:00PM- 1:50PM 308 H5 Arthur G

### ENGL& 101 English Composition I 5

*Prerequisite: Appropriate English placement test score or a grade of "C-" or better in ENGL 095.*

ENGL& 101 emphasizes the basic rhetorical principles and development of expository and argumentative prose. Included is an introduction to the research methods necessary for evidence-backed writing. Skills gained in this course should help students improve their performance of such tasks as writing for a variety of purposes and audiences, as well as writing informative and persuasive essays and research-backed reports, projects and papers. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

B456 ENGL& 101 A MTWTh 8:00AM- 8:50AM 2105 H5 Cavin D  
B457 ENGL& 101 B MTWTh 9:00AM- 9:50AM 2104 H5 Neiworth J  
B458 ENGL& 101 C MTWTh 10:00AM-10:50AM 2105 H5 Cavin D  
B460 ENGL& 101 D MTWTh 11:00AM-11:50AM 2105 H5 Cavin D  
B461 ENGL& 101 E MTWTh 12:00PM-12:50PM 2104 H5 Neiworth J  
B462 ENGL& 101 F MTWTh 1:00PM- 1:50PM 2103 H5 DeBoer A

### ENGL& 102 English Composition II 5

*Prerequisite: A grade of "C-" or better in ENGL& 101.*

ENGL& 102 is a continuation of writing skills practiced in ENGL& 101 directed towards writing expository/argumentative and critical/analytical themes focusing on literature. The course also continues the instruction of research methods begun in ENGL& 101, emphasizing the preparation of a research paper. Skills gained in this course should improve students' performance in such tasks as writing for various purposes and audiences, writing critically and analytically in a variety of settings and creating formal, written research projects. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

B468 ENGL& 102 A MTWTh 8:00AM- 8:50AM 2315 H5 Lerych L  
B469 ENGL& 102 B MTWTh 9:00AM- 9:50AM 2101 H5 DeBoer A  
B470 ENGL& 102 C MTWTh 12:00PM-12:50PM 2201 H5 Lerych L  
X775 ENGL& 102 47 MW 6:00PM- 8:10PM 2315 Cavin D

### ENGL& 220 Intro to Shakespeare 5

*Prerequisite: A grade of "C-" or better in ENGL& 101.*

An introduction to the comedies, the histories and the tragedies, this course emphasizes development of the analytical skills necessary to read, write, speak, and think critically about the meaning and dramatic effect of Shakespeare's plays. Additionally, attention is given to understanding the plays within the context of early modern history and culture. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

B481 ENGL& 220 A MTWTh 9:00PM- 9:50AM 2201 H5 Lerych L

### ENGL& 235 Technical Writing 5

*Recommended Preparation: Competency in basic computer operation or concurrent enrollment in CIS 100. Prerequisite: A grade of "C-" or better in ENGL& 101.*

This course emphasizes techniques of technical writing and the preparation of informal and formal technical reports commonly found in vocational, technical, and business environments. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

B477 ENGL& 235 A MTWTh 9:00AM- 9:50AM 2105 H5 Cavin D

### ENGL& 240 Introduction to American Literature 5

*Prerequisite: A grade of "C-" or better in ENGL& 101.*

Course readings reflect our diverse national experience during the past two centuries. Authors are selected to highlight peculiarly American themes, forms and cultural conflicts. Fiction, poetry, drama and nonfiction prose are variously emphasized. Most recent emphasis: the tradition of American nature writing. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

B480 ENGL& 240 A MTWTh 10:00AM-10:50AM 2103 H5 DeBoer A

### ENGL 243 Playwriting 2

*Recommended Preparation: A grade of "C-" or better in ENGL 095 or placement in ENGL& 101.*

This course emphasizes the various concerns surrounding the understanding and creation of the one-act play. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Additionally, the collaborative nature of playwriting, as compared to writing fiction or poetry, will be addressed; a play is not complete until the writer has involved others in the creative process. The student is expected to submit original manuscripts during the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

B476 ENGL 243 A Th 1:00PM- 2:50PM 2417 Lerych L

### ENGL 299 Introduction to Literary Theory 2

*Recommended preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL&101.*

This one-time course is an introduction to literary theory. Satisfies general elective for the AA degree.

B299 ENGL 299 A T 2:00PM- 3:50PM 2103 DeBoer A

## ENVIRONMENTAL SCIENCE

### ENVS& 100 Survey of Environmental Science 5

*Recommended Preparation: ENGL 095 or placement in ENGL& 101; placement in MATH 098.*

A course addressing the nature of the physical environment and changes in the environment caused by people. Fundamental considerations of matter and energy are followed by studies of human population dynamics, food supplies, hazardous chemicals, air and water pollution, geological and energy resources, and problems associated with storing waste. 5 lecture hours. Satisfies science distribution area C requirement or specified elective for the AA degree.

D483 ENVS& 100 A DAILY 12:00PM-12:50PM 802 Jones R

## FOREIGN LANGUAGES

### JAPN& 122/123 Japanese II/Japanese III 10

*Recommended Preparation: A grade of "C-" or better in JAPN& 121 or instructor permission.*

A continuation of JAPN& 121, focusing on developing elementary to intermediate knowledge of spoken and written Japanese. 10 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

B672 JAPN& 122 A 9:00AM-10:50AM 2315 H5 Lerych J

**LATIN 125 Latin I 5**  
*Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.*

Designed to provide students with elementary knowledge of classical Latin, this course will focus on reading and understanding the written language through the study of grammar and texts. Additional attention will be given to the influence of Latin on modern English, as well as to relevant topics in Roman culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective requirement for the AA degree.

B675 LATIN 125 A MTWTh 1:00PM- 1:50PM 2315 H5 Lerych J

**SPAN& 121 Spanish I 5**  
*Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.*

SPAN& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written Spanish. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. SPAN& 121 focuses on developing elementary speaking, listening, reading, and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

B683 SPAN& 121 A MTWTh 12:00PM-12:50PM 2315 H5 Lerych J

**FRESHMEN YEAR EXPERIENCE.**

**FYE 102 Creating Success in College and Life 2**

The content of this course is designed to help students make a smooth transition to college and bring an increased awareness of what GHC has to offer. Students will learn about college expectations and how to use proven strategies to develop the skills, resources and personal qualities needed to create greater academic, professional and personal success. 2 lecture hours. May be used as general elective in the AA degree.

E413	FYE	102	A	M	8:00AM- 8:50AM	308	H5	Arthur G
E414	FYE	102	B	TTh	9:00AM- 9:50AM	2102		Arthur G
E416	FYE	102	C	MW	10:00AM- 10:50AM	2102		Muir D
E417	FYE	102	D	TTh	10:00AM-10:50AM	2102		Muir D
E420	FYE	102	E	MTWTh	11:00AM-11:50AM	2315		Muir D
E412	FYE	102	F	TTh	12:00PM-12:50PM	2101	ITV	Smith D
E418	FYE	102	G	TTh	1:00PM- 1:50PM	2104		Ferry B
E419	FYE	102	H	M	6:00PM- 8:00PM	2201		Smith D

NOTE: Item # E420 begins on February 16, 2010.

**FYE 103 Study Skills for Math 098 2**  
*Corequisite: Concurrent enrollment in MATH 098.*

The purpose of Math Study Skills is to teach students study strategies to succeed in Math 098 and future math classes. Activities will include, but are not limited to: making flash cards, annotating class notes, reviewing challenging topics, creating practice tests, preparing test note cards, completing test corrections, and exploring math learning resources. Lecture topics will include, but are not limited to: math vocabulary, organizational skills, note taking, test taking strategies, adult learning theory, time management, and math and test anxiety. May be used as a general elective in the AA degree.

E415 FYE 103 A MW 1:00PM- 1:50PM 2255 Ratcliff L

**GEOGRAPHIC INFORMATION SYSTEM**

**GIS 250 GIS and Remote Sensing in Natural Resources Mgmt. 5**  
*Prerequisites: GIS 110; GIS 200; ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH& 107; or instructor permission.*

The course emphasizes application of geographic information systems (GIS) and techniques of remote sensing in natural resource management. The course will provide students with specific methods in acquisition and processing of the primary data derived from various sensors on a practical level. Additionally, the course will expose students to techniques in area determination, scale, height measurement, and forest stand analysis for natural resources careers. Use of global positioning satellite (GPS) systems, USGS quad maps and legal land descriptions will also be introduced. Detailed case studies demonstrating the application of GIS and remote sensing in natural resources management will be presented. This course meets requirements for the Associate of Applied Science (AAS) Degree in Natural Resources.

D496 GIS 250 A T 1:00PM- 3:50PM 416 Bates T

**GIS 250L GIS and Remote Sensing in NR Management Lab 0**  
*Corequisite: Concurrent enrollment in GIS 250 lecture*

D497 GIS 250L 1 Th 1:00PM- 4:50PM 416 Bates T

**HEALTH PROMOTION & FITNESS**

**HPF 101 Health and Wellness 5**

This course encompasses a total wellness concept of one's physical, mental and emotional well being. Students will examine major health issues of contemporary society. Students will also learn to make responsible lifestyle decisions that will directly affect their quality of life and attainment of well being. 5 lecture hours. May be used as a general elective in the AA degree or to satisfy PE requirement for all degrees.

E790 HPF 101 A MW 6:00PM- 8:10PM 2101 ITV Arthur G

**HEALTH/PHYSICAL EDUCATION**

**HPE 151 Drugs and Our Society 5**

*Recommended Preparation: Placement in ENGL 095.*

This class is designed to give students a basic understanding of all classifications of drugs. Topics to be covered include the biology of drug action, effects of drugs on the body, dependence and treatment, alternatives to drug use, and drugs and the law. Types of drugs discussed will range from prescription drugs, to alcohol, to illegal drugs, and over-the-counter drugs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E435 HPE 151 A MTWTh 10:00AM-10:50AM 2416 H5 Bradbury R  
 E436 HPE 151 B MTWTh 11:00AM-11:50AM 2416 H5 Bradbury R

**HISTORY**

**HIST& 117 Western Civilization II 5**

*Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.*

A survey of European society, politics and culture from the fall of Rome to the Reformation emphasizing feudalism, the battles between Church and State, Scholasticism, medieval science, and the life of the common folk. We will explore the roots of the early modern era and the shattering of the medieval consensus. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

E425 HIST& 117 A MTWTh 8:00AM- 8:50AM 2417 H5 Murrell G

**HIST& 147 US History II 5**

*Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.*

This course offers a survey of United States' history during the 19th Century. Topics of inquiry include slavery and the development of the abolitionist and women's movements, the coming of the Civil war, Reconstruction, conquest of the continent, the triumph of capitalism through industrialization, the development of labor movements, and the origins of U.S. involvement in world-wide imperialist movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

E427 HIST& 147 A MTWTh 9:00AM- 9:50AM 2417 H5 Murrell G

**HIST& 214 Pacific Northwest History 5**

*Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.*

This course offers a survey of the history of the Pacific Northwest region of North America from the arrival of the Original Peoples, approximately 30,000 BCE through European conquest and colonial development, incorporation into the United States, exploitation of natural resources, race, class and gender conflicts as they developed throughout the 19th and 20th Centuries and political, social, and economic development in the 20th Century through the era of the Vietnam War. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E428 HIST& 214 A MTWTh 11:00AM-11:50AM 2417 H5 Murrell G

**HUMAN DEVELOPMENT**

**HUMDV 104 Stress Management and Wellness 2**

*Prerequisite: Placement in READ 080 and ENGL 060 or instructor permission.*

This course is designed to provide general information, tools, and guides for stress management and wellness promotion. Students will look at the physical, cognitive, psychological, and behavioral factors related to stress and coping. The goal is to help each student improve in the ability to manage stress. Instruction techniques will include lectures, extensive use of group activities, and introduction of relaxation methods, such as progressive relaxation. 2 lecture hours. Satisfies general elective requirement for the AA degree.

E437 HUMDV 104 A MW 11:00AM-11:50AM 2203 Barnes M

## Winter 2010

### HUMDV 150 Tutoring Techniques 1

*Prerequisite: Instructor permission.*

This class prepares students to become peer tutors. We will explore the role and responsibilities of a peer tutor, adult learning theory, learning styles, effective tutoring techniques, communication skills, and creating a positive environment. Practicum will include observation and supervised tutoring in the GHC Learning Center. Actual tutoring experiences will be evaluated during the quarter. 7 lecture hours; 4 lab hours. Satisfies specified elective for the AA degree.

E440 HUMDV 150 A ARR ARR ARR Ratcliff L

## HUMAN SERVICES

### HUST 102 Survey of Community Resources in Human Services 5

*Prerequisite: HUST 101 or instructor permission.*

Provides an understanding of the state, county and regional network that supports community services. Overview includes continual effects of current legislation and funding. Emphasis is on local human service providers as a network of community resources. This includes community mental health centers, residential programs, advocacy groups, and consumer groups. Students will learn the relevance of each component to the whole system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

E444 HUST 102 A TTh 10:00AM-11:50AM 2250 H RolfeMaloney

### HUST 103 Interview/Assessments in Human Services Settings 5

*Prerequisite: HUST 202 or instructor permission.*

Introduction to interviewing and assessment techniques in the human services field. Emphasis is on information gathering and building productive individual service plans for human services clients. Importance is placed on assessing the person's complete psycho-social structure. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

E445 HUST 103 A MW 12:00PM-1:50PM 2416 H RolfeMaloney

### HUST 108 Counseling and Crisis Intervention 5

*Prerequisite: HUST 102 or instructor permission.*

Introduction to interviewing, basic counseling skills and crisis theory. The focus will be on learning counseling theory and models for crisis intervention. Through lecture, discussion, demonstration and independent study, students will master basic concepts and develop needed skills. Emphasis on high-stress populations requiring immediate intervention, including psychiatric emergencies and death and dying, sexual assault, battered women, suicide and others. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

E446 HUST 108 A MW 10:00AM-11:50AM 2250 H RolfeMaloney

### HUST 158 Cooperative Work Internship 1-3

*Prerequisites: HUST 102 with a grade of "C+" or better or instructor permission.*

Supervised experience with a human service-related agency or program. The instructor, in cooperation with the student, will determine the site, credit hours and learning objectives. A student, in conjunction with an instructor, will arrange for 1-3 credit hours to be earned within a given quarter. One credit may be earned for each fifty hours of documented agency or program experience. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site, and exploring career potential in the human services field. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

E447 HUST 158 A T 9:00AM- 9:50AM 2250 H RolfeMaloney

### HUST 258 Advanced Cooperative Work Internship 1-5

*Prerequisite: HUST 158 with a grade of "C+" or better or instructor permission.*

Supervised experience in human services agencies. Students work a minimum of 250 hours in an agency, with or without remuneration. One credit may be earned for each fifty hours of documented agency or program experience. Includes organizational leadership, work ethics, and employer-employee relationships. Students meet during the quarter with the assigned College supervisor and agency advisor to discuss skill development and process field experiences. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

E448 HUST 258 A T 9:00AM- 9:50AM 2250 H RolfeMaloney

## INDUSTRIAL CONTROL SYSTEMS TECHNOLOGY

### ICST 104 Electrical/Electronic Digital Devices 6

*Prerequisites: ICST 103 or instructor permission.*

This is an introduction to electrical devices i.e. relays, counters, timers, solenoids, motors, motor contactors and overload protection, limit switches, proximity switches, photo cells, and other control devices. Electronic components that deal with digital devices such as logic devices, microprocessors, digital to analog converters, multiplexers, counters, timers and other electronic devices used in industry will also be studied. This course also covers ladder logic versus PLC logic controls, numbering systems, logic gates and Boolean algebra. This hybrid course includes distant learning, virtual lab, physical lab and an introduction to the physical lab safety regulations and functions. 3 lecture hours; 3 lab hours. This course fulfills a requirement for the AAS Industrial Control Systems Technology degree.

F602 ICST 104 A T 8:00AM- 1:00PM SATSOP H Henninge F  
Th 4:00PM- 9:00PM SATSOP H Henninge F

### ICST 105 Basics of Programmable Logic Controllers (PLCs) 6

*Prerequisites: ICST 104 or instructor permission.*

This course is a skill-building opportunity to develop a solid fundamental knowledge in PLC systems and terminology. Students will be introduced to past and present system technology components and functionality and will have an opportunity to use software to perform basic system configurations and tasks. 3 lecture hours; 3 lab hours. This course fulfills a requirement for the AAS Industrial Control Systems Technology degree.

F604 ICST 105 A T 8:00AM- 1:00PM SATSOP H Henninge F  
Th 4:00PM- 9:00PM SATSOP H Henninge F

## LIBRARY

### LIB 101 Introduction to Information Resources 2

*Prerequisite: ENGL 095 or placement in ENGL& 101.*

Introduction to strategies and skills for locating, evaluating and using information resources in the research process. Emphasis is on using print and electronic resources appropriate for research at the undergraduate or pre-professional level, including those available on the library's information networks, the online catalog, the Internet and other standard research tools. 2 lecture hours. May be used as a general elective in the AA degree.

B537 LIB 101 A T 10:00AM-10:50AM 1520 H Roush A

Want to be an RN?

**But still need to work while you prepare to enter the Nursing Program at Grays Harbor College?**

**You can be Learning while you are Earning!**

**Enroll in a GHC Nursing Pre-requisite Course  
Scheduled to fit your busy work & family life:**

**Winter 10 Biol & 241 Anatomy & Physiology 1  
5cr TTh 5:30 – 8:45 p.m.**

*Contacts: Grays Harbor College Nursing Department, 360/538-4148; or for class schedule information, 360/538-4018 mreisman@ghc.edu or ghibbs@ghc.edu; to begin admissions process, GHC Admissions and Records, 360/538-4026.*



**MATHEMATICS**

**MATH 060 Fundamentals of Arithmetic** 5  
*Prerequisite: Appropriate placement test score or instructor permission.*

This course is designed for students who need to strengthen their skills in arithmetic. Mathematical reasoning will be used to define and solve problems. The specific course content includes topics on fractions, decimals, ratios, proportions, percents, English and metric measurements, area, volume and perimeter of geometric objects, with an introduction to integer arithmetic. Effective communication of these ideas and application to everyday situations are part of the curriculum. Problem solving strategies will be stressed. 5 lecture hours.

H778	MATH	060 A	MTWTh	9:00AM- 9:50AM	2203	H	Do T
H779	MATH	060 B	MTWTh	12:00PM-12:50PM	2203	H	Do T

**MATH 070 Pre-Algebra** 5  
*Prerequisites: A grade of "C-" or better in MATH 059 or MATH 060 or appropriate placement test score and placement in READ 090 or concurrent enrollment in READ 080.*

This course is intended for students who have few current algebra skills. Topics include fractions, real number arithmetic, exponents, order of operations, algebraic expressions, linear equations and inequalities in one variable, working with units, formulas, and percents. The standard problem solving method, which will be used throughout the algebra sequence, is presented and used to solve basic applications. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

H781	MATH	070 A	MTWTh	8:00AM- 8:50AM	2203	H	Do T
H780	MATH	070 B	MTWTh	10:00AM-10:50AM	2203	H	Do T

**MATH 095 Elementary Algebra** 5  
*Prerequisites: A grade of "C-" or better in MATH 070 or appropriate placement test score.*

Elementary Algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. 5 lecture hours.

D541	MATH	095 A	DAILY	9:00AM- 9:50AM	310	Nelson J
D542	MATH	095 B	DAILY	10:00AM-10:50AM	802	Jones R
D543	MATH	095 C	DAILY	12:00AM-12:50AM	2417	Kuester T
X799	MATH	095 47	TTh	6:00PM- 8:00PM	2203	Scott A

**MATH 098 Intermediate Algebra** 5  
*Prerequisites: A grade of "C-" or better in MATH 095 or appropriate placement test score, and placement at college level reading or READ 090 or concurrent enrollment in READ 090.*

This course is intended to prepare students for work in College Level math and math related subjects. It serves as a prerequisite to MATH& 107, MATH& 111, MATH 131, MATH 132, and MATH& 141. Topics include functions and equations containing linear, quadratic, polynomial, rational and radical expressions; inequalities, linear systems, exponentials and logarithms; and applications involving basic science and business mathematical models. 5 lecture hours.

D548	MATH	098 A	DAILY	8:00AM- 8:50AM	2202	Staff
D549	MATH	098 B	DAILY	10:00AM-10:50AM	800	Siedenstrang
D550	MATH	098 C	DAILY	12:00PM-12:50PM	2255	Ratcliff L

**FYE 103 Study Skills for Math 098** 2  
*Corequisite: Concurrent enrollment in MATH 098.*

The purpose of Math Study Skills is to teach students study strategies to succeed in Math 098 and future math classes. Activities will include, but are not limited to: making flash cards, annotating class notes, reviewing challenging topics, creating practice tests, preparing test note cards, completing test corrections, and exploring math learning resources. Lecture topics will include, but are not limited to: math vocabulary, organizational skills, note taking, test taking strategies, adult learning theory, time management, and math and test anxiety. May be used as a general elective in the AA degree.

E415	FYE	103 A	MW	1:00PM- 1:50PM	2255	Ratcliff L
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**MATH& 107 Math in Society** 5  
*Prerequisites: MATH 098 or appropriate placement score or instructor permission.*

This course covers a variety of topics including financial models and money management, statistical reasoning, measures of central tendency and variation, the normal distribution and exponential growth and decay. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. MATH& 107 is intended for students who wish to complete the quantitative reasoning requirement of the AA degree. It is taught at approximately the same level as college algebra and finite mathematics, but the material is intended to be more practical for the liberal arts student. MATH& 107 does not satisfy the prerequisites for either MATH& 148 or MATH 260 and is not a candidate for a science distribution for the AA degree. 5 lecture hours.

D552	MATH&	107 A	MTWTh	12:00PM-12:50PM	800	H Siedenstrang
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**MATH& 141 Precalculus I** 5  
*Prerequisites: A grade of "C+" or better in MATH 098 or appropriate placement score or instructor permission.*

MATH& 141 and MATH& 142 are designed for transfer students majoring in Engineering, Science and Mathematics. One of the goals of MATH& 141 is to expand on the working knowledge of algebra that was established in MATH 098. This class is intended to create a solid foundation in algebra tools and graphing skills that will be used in solving the more challenging problems found in MATH& 142. Material covered in MATH& 141 will include an introduction to functions and transitions; developing algebraic tools and graphing skills for dealing with inverse functions, linear functions, quadratic functions, polynomial functions, rational functions, exponents and logarithms; solving systems of equations; and an introduction to right triangle trigonometry. 5 lecture hours. Satisfies the quantitative skills requirement, science area F requirement or specified elective for the AA degree.

D568	MATH&	141 A	DAILY	9:00AM- 9:50AM	804	Siedenstrang
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**MATH& 142 Precalculus II** 5  
*Prerequisites: A grade of "C" or better in MATH& 141 or appropriate placement score or instructor permission. Corequisite: Concurrent enrollment in MATH& 142 Lab.*

This course provides an in-depth analysis of many of the functions that were introduced in MATH& 141. One goal of the course is to prepare students for the more challenging problems they will encounter as they enter calculus and more advanced science courses, so there is a heavy emphasis on solving multistep applications. Topics include analysis of and modeling with linear, quadratic, rational, trigonometric, exponential, logarithmic and inverse functions as well as working with compositions and transformations. Applications are drawn from the physical, life, and engineering sciences. 4 lecture hours; 2 lab hours. Satisfies the quantitative skills requirement, science area F requirement, or specified elective for the AA degree.

D570	MATH&	142 A	MTWF	8:00AM- 8:50AM	2201	Kuester T
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**MATH& 142L Precalculus II Lab** 0  
*Corequisite: Concurrent enrollment in MATH& 142 Lecture.*

D571	MATH&	142L1	Th	8:00AM- 9:50AM	2250	Kuester T
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**MATH& 146 Introduction to Statistics** 5  
*Prerequisites: A grade of "C" or better in MATH 098 or appropriate placement score.*

An introduction to probability theory and statistical analysis with applications to a variety of fields. Topics covered include describing data graphically and numerically, correlation and linear regression, probability, the binomial and normal distributions, sampling distributions, confidence intervals, and hypothesis testing. 5 lecture hours. Satisfies quantitative skills requirement or science distribution area F requirement or specified elective for the AA degree.

D574	MATH&	146 A	DAILY	9:00AM- 9:50AM	800	Koskela J
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**MATH& 148 Business Calculus** 5  
*Prerequisites: A grade of "C" or better in MATH 111 or MATH& 141; or instructor permission.*

MATH& 148 is designed for transfer students majoring in business and many of the social sciences. Topics covered include differentiation, applications of derivatives, anti-differentiation, basic differential equations, integration, and partial derivatives. Applications are drawn from business, economics, and the management and social sciences. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

D567	MATH&	148 A	DAILY	10:00AM-10:50AM	804	Kuester T
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**MATH& 152 Calculus II** 5  
*Prerequisites: A grade of "C" or better in MATH& 151 or instructor permission.*

Topics include the definite integral, the fundamental theorem of calculus, techniques of integration, applications of integrals, differential equations, and parametric equations. Applications from the sciences and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

D573	MATH&	152 A	DAILY	11:00AM-11:50AM	804	Koskela J
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**Music**

**MUSC& 105 Music Appreciation** 5  
*Prerequisites: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101.*

The purpose of this course is to expand the student's musical listening pleasure through a brief study of the elements of music and the major periods of music history with an emphasis on the Classical and Romantic Periods. Exploration of music from other cultures will also be included. 5 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

B561	MUSC&	105 A	DAILY	10:00AM-10:50AM	2350	Richardson R
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## Winter 2010

### MUSC& 122 Ear Training II 2

*Recommended Preparation:* Concurrent enrollment in MUSC& 132.  
*Prerequisite:* MUSC& 121.

Intermediate listening, melodic and harmonic dictation to the octave, and harmonic dictation to include minor chords, basic chord identification, sight singing and part singing, rhythmic dictation to include sixteenth notes. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

B578 MUSC& 122 A TTh 1:00PM- 1:50PM 2358 Pieffer P

### MUSC& 132 Music Theory II 3

*Recommended Preparation:* Concurrent enrollment in MUSC& 122 or instructor permission. *Prerequisites:* MUSC& 121; MUSC& 131.

Continuation of MUSC& 131 with emphasis on harmonic analysis and four-part writing. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

B574 MUSC& 132 A MWF 1:00PM- 1:50PM 2358 Richardson R

### MUSC& 222 Ear Training 5 2

*Recommended Preparation:* Concurrent enrollment in MUSC 232.  
*Prerequisite:* MUSC& 221.

Intermediate listening, melodic and harmonic dictation, seventh chord identification and use within harmonic progressions, sight singing and part singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

B618 MUSC& 222 A TTh 11:00AM-11:50AM 2358 Pieffer P

### MUSIC 117 Beginning Piano Techniques I 1

This course is designed for music majors or students desiring basic keyboard performance skills. MUSIC 117 is a beginning course which covers the relationship of the grand staff notation to the piano keyboard, basic rhythm notation, major and minor five-finger patterns, triads, and formulating major scales. Emphasis is also placed on harmonization, transposition, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B571 MUSIC 117 A TTh 10:00AM-10:50AM 2358 Pieffer P

### MUSIC 118 Beginning Piano Techniques II 1

*Prerequisite:* MUSIC 117 or instructor permission.

This course is a continuation of MUSIC 117. This in-depth study covers major scales, formation of relative minor scales, triad inversions, introduction of augmented and diminished triads, seventh chords, chord symbols, variations of bass patterns, intricate rhythm notations, arrangements and variations. Coursework includes written notation, harmonization, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B572 MUSIC 118 A TTh 9:00AM- 9:50AM 2358 Pieffer P

### MUSIC 119 Beginning Piano Techniques III 1

*Prerequisite:* MUSIC 118 or instructor permission.

This course is a continuation of MUSIC 118 and continues major and minor scale study, arpeggios, cadences and other harmonic progressions, rhythmic syncopation, double sharps and double flats, keyboard improvisation, transposition, harmonization and composition. Repertoire includes various historical keyboard periods. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B573 MUSIC 119 A TTh 9:00AM- 9:50AM 2358 Pieffer P

### MUSIC 150 Applied Music Piano 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B580 MUSIC 150 A ARR ARR 2358 Pieffer P

### MUSIC 151 Applied Music Strings 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B583 MUSIC 151 A ARR ARR ARR O'Brien L  
B584 MUSIC 151 B ARR ARR ARR Stacy-Horton

### MUSIC 152 Applied Music Voice 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B586 MUSIC 152 A ARR ARR ARR Dorsch I  
B587 MUSIC 152 B ARR ARR ARR Dorsch J  
B588 MUSIC 152 C ARR ARR ARR Hasbrouck K  
B589 MUSIC 152 D ARR ARR ARR Hill C  
B590 MUSIC 152 E ARR ARR ARR Kerr C

### MUSIC 154 Applied Music Woodwinds 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B599 MUSIC 154 A ARR ARR ARR Stork V

### MUSIC 155 Applied Music Brass 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B601 MUSIC 155 A ARR ARR ARR Dyer W

### MUSIC 156 Applied Music Percussion 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B602 MUSIC 156 A ARR ARR ARR Neisinger R

### MUSIC 157 Applied Music Guitar 1

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

B603 MUSIC 157 A ARR ARR ARR Mason W

### MUSIC 161 Symphony Orchestra 1

*Prerequisite:* Instructor permission or audition required.

Credit is given to college students who are regular members of the Grays Harbor Symphony. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B604 MUSIC 161 A M 7:00PM- 9:00PM 2350 Richardson R

### MUSIC 171 Civic Choir 1

*Prerequisite:* Instructor permission or audition required.

Credit is given to college students who are regular members of the Civic Choir. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B605 MUSIC 171 A T 7:00PM- 9:00PM 2350 Dorsch I

### MUSIC 173 Jazz Choir 1.5

*Prerequisite:* Instructor permission or audition required.

This group performs a wide variety of vocal jazz. There will be a minimum of one concert a quarter, but often more concerts each quarter. 3 lab hours. Satisfies specified elective requirement for the AA degree.

B606 MUSIC 173 A TTh 2:00PM- 3:30PM 2350 Richardson R

### MUSIC 181 Jazz Band 1

*Prerequisite:* Instructor permission or audition required.

This is a performance group which will play a variety of big-band styles from the 40's to present. 3 lab hours. Satisfies specified elective requirement for the AA degree.

B608 MUSIC 181 A MW 2:00PM- 3:00PM 2350 Richardson R

### MUSIC 218 Intermediate Piano II 1

*Prerequisite:* MUSIC 217 or instructor permission.

This course, a continuation of MUSIC 217, reviews harmonizing, accompanying, transposing and sight reading skills and introduces voicing seventh chords and jazz symbols. Repertoire from various historical periods, history and corresponding keyboard ornamentation and some jazz harmonizations. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B610 MUSIC 218 A TTh 9:00AM- 9:50AM 2358 Pieffer P

### MUSIC 232 Advanced Harmony I 3

*Recommended Preparation:* Concurrent enrollment in MUSC& 222.  
*Prerequisite:* MUSIC 231 or instructor permission.

Continuation of MUSIC 231 with emphasis on original composition as an approach to form and analysis. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

B617 MUSIC 232 A MWF 11:00AM-11:50AM 2358 Richardson R

### MUSIC 250 Advanced Applied Music Piano 2

*Prerequisite:* Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B630 MUSIC 250 A ARR ARR 2358 Pieffer P

**NATURAL RESOURCES**

**MUSIC 251 Advanced Applied Music Strings 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B632	MUSIC	251 A	ARR	ARR	ARR	O'Brien L
B642	MUSIC	251 B	ARR	ARR	ARR	Stacy-Horton

**MUSIC 252 Advanced Applied Music Voice 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B633	MUSIC	252 A	ARR	ARR	2361	Dorsch I
B634	MUSIC	252 B	ARR	ARR	ARR	Dorsch J
B635	MUSIC	252 C	ARR	ARR	ARR	Hasbrouck K
B636	MUSIC	252 D	ARR	ARR	ARR	Hill C
B637	MUSIC	252 E	ARR	ARR	ARR	Kerr C

**MUSIC 254 Advanced Applied Music Woodwinds 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B639	MUSIC	254 A	ARR	ARR	ARR	Stork V
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**MUSIC 255 Advanced Applied Music Brass 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B641	MUSIC	255 A	ARR	ARR	ARR	Dyer W
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**MUSIC 256 Advanced Applied Music Percussion 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B643	MUSIC	256 A	ARR	ARR	ARR	Neisinger R
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**MUSIC 257 Advanced Applied Music Guitar 2**  
*Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.*

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

B644	MUSIC	257 A	ARR	ARR	ARR	Mason W
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**MUSIC 261 Symphony Orchestra 1**  
*Recommended Preparation: MUSIC 161 or instructor permission.*

A continuation of MUSIC 161. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B645	MUSIC	261 A	M	7:00PM- 9:00PM	2350	Richardson R
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**MUSIC 271 Civic Choir 1**  
*Recommended Preparation: MUSIC 171 or instructor permission.*

A continuation of MUSIC 171. 2 lab hours. Satisfies specified elective requirement for the AA degree.

B646	MUSIC	271 A	T	7:00PM- 9:00PM	2350	Dorsch I
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**MUSIC 273 Jazz Choir 1.5**  
*Recommended Preparation: MUSIC 173 or instructor permission.*

A continuation of MUSIC 173. 3 lab hours. Satisfies specified elective requirement for the AA degree.

B648	MUSIC	273 A	TTh	2:00PM- 3:30PM	2350	Richardson R
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**MUSIC 281 Jazz Band 1**  
*Recommended Preparation: MUSIC 181 or instructor permission.*

A continuation of MUSIC 181. 3 lab hours. Satisfies specified elective requirement for the AA degree.

B650	MUSIC	281 A	MW	2:00PM- 3:00PM	2350	Richardson R
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**NR 100 Vehicle Safety 1**  
*Prerequisite: Valid Washington State driver's license.*

Vehicle safety will provide students with the training necessary to safely operate a variety of different automobiles and watercraft. Students will successfully complete one 3-hour driver training course and one on-line watercraft safety course. All students must have a valid driver's license prior to registration. Meets State requirements for watercraft operation. Vocational program course. May be used as a general elective in the AA degree.

D510	NR	100 A	ARR	ARR	ARR	Bates T
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**NR 158 Work Experience Seminar 1**  
*Prerequisites: ENGL 095 or placement in ENGL& 101; or instructor permission.*

This five week seminar will prepare the student for the cooperative work experience required for the Natural Resource program. We will explore options for positions as summer intern through research on the internet, local agencies and other conventional means. Students will learn to complete a job application, edit, revise or create a resume, prepare a cover letter, establish personal references and learn proper interview techniques. Lectures will be designed to provide the foundation for these documents while the students will apply this in a real life situation with the desired outcome of securing a summer internship. This course fulfills a requirement that may be used for the completion of the AA (Specified Elective), AS and AAS degrees.

D876	NR	158 A	M	1:00PM-2:50PM	316	Bates T
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**NR 258 Cooperative Work Experience 1-5**  
*Prerequisite: Instructor permission.*

Students participate in on-the-job training with natural resource agencies, tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten credits (up to 5 credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

D518	NR	258 A	ARR	ARR	318A	Bates T
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**NR 259 Cooperative Work Experience 1-5**  
*Prerequisite: Instructor permission.*

Students participate in on-the-job training with natural resource agencies, Tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten credits (up to 5 credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

D519	NR	259 A	ARR	ARR	318A	Bates T
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**NURSING**

**CNA 102 Certified Nursing Assistant Training 9**  
*Prerequisite: Students must submit to Washington State Highway Patrol Criminal Background Check; provide documentation of TB skin test/chest X-ray and Hepatitis B immunization; and instructor permission.*

The learner is introduced to basic nursing care, resident rights, safety and emergency nursing procedures. Principles of therapeutic relationships and client care are presented as well as the legal/ethical issues related to nursing assistant practice. Students demonstrate competencies required to assist in giving basic nursing care to patients in long-term care agencies under the supervision of the instructor or licensed nursing staff. AIDS education and training (8 hours) and CPR certification (8 hours) are included. 5 lecture hours and 8 lab hours.

C503	CNA	102 A	MW	6:00PM- 9:00PM	2107	Birch A
			Th	11:00AM- 7:00PM	ARR	Birch A
			Sa	6:00AM- 2:00PM	2107	Birch A

**NURS 153 Common Health Alterations I 12**  
*Prerequisites: NURS 151 and NURS 152 with a grade of "C" or better; BIOL& 260 or completion with a grade of "C" or better. Corequisites: BIOL 208 and PSYC& 200 or completion with a grade of "C" or better.*

The student will gain knowledge of nursing care of the client with selected common health alterations with nursing process and adaptation in health and illness as organizing frameworks. The focus includes concepts related to care of the normal childbearing family, chronic, stable mental health alterations; and cardiac, respiratory, endocrine (diabetes) system health alterations. The student has opportunities to integrate classroom concepts in acute and long-term care clinical settings. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

C510	NURS	153 A	MT	9:00AM-11:50AM	2107	Team
			ThF	ARR	ARR	Team

## Winter 2010

**NURS 252 Complex Health Alterations II** 13  
*Prerequisite: Completion of NURS 251 and NUTR& 101 with a grade of "C" or better.*

The student continues the study of advanced principles and concepts related to the care of adults adapting to multi-system, high acuity health alterations. Concepts related to the care of high-risk childbearing and child rearing families are presented. Nursing process is applied to women and their families adapting to complications of pregnancy, delivery and parenthood. Care of the child with complex health alterations is studied. Mental health concepts relating to the care of adults, families and children with severe or life-threatening psychiatric disorders, and the care of adults with complex endocrine and hematological health alterations are examined. The student applies nursing process in specialty areas, acute care and in community settings. 7 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

C515	NURS	252	A	MT	9:00AM-12:30PM	LIB1512	Team
				ARR	ARR	ARR	Team

### NUTRITION

**NUTR& 101 Human Nutrition** 5  
*Prerequisite: Grade of "C" or better in BIOL& 100 or BIOL& 160 or instructor permission.*

A study of the structure, function, and metabolism of nutrients and their roles in preventing diseases related to nutrient deficiency in healthy people. Analysis of food labels and diet planning. This course is intended for science, nonscience, and health sciences students. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

D406	NUTR&	101	A	DAILY	9:00 AM-9:50 AM	311	Ibrahim M
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### OFFICE TECHNOLOGY

**OFTC 113 Document Formatting** 5  
*Prerequisite: CIS 101 or keyboarding ability and CIS 100.*

Students will learn rules for preparing business letters, memos, tables, forms, and various reports (including meeting minutes, agendas, and itineraries) using word processing software. Speed and accuracy in the preparation of mailable copy is emphasized. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A540	OFTC	113	A	TTh	10:00AM-10:50AM	2205	H Miller D
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**OFTC 115 Electronic Math Applications** 3  
*Prerequisite: MATH 059 or MATH 060 or instructor permission.*

Students will learn the touch system on electronic calculators using special time-saving functions to solve math applications. Proficiency in speed and accuracy of the 10-key pad is emphasized. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

A543	OFTC	115	A	MWTh	9:00AM- 9:50AM	2204	Blankenship
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**OFTC 117 Medical Transcription** 3  
*Prerequisites: AHLTH 150 and BA 140. Corequisite: Concurrent enrollment in 117 Lab.*

This course reinforces medical terminology in anatomy and physiology by providing medical transcription practice utilizing word processing software and actual medical dictation. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

X812	OFTC	117	17	T	6:00PM- 9:20PM	2205	Bonneville V
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**OFTC 118 Medical Transcription II** 3  
*Prerequisites: AHLTH 150; OFTC 117; or instructor permission.*

This course is designed to enhance the medical transcription skills learned in OFTC 117 in order to obtain the highest accuracy level and the highest output level. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

X813	OFTC	118	17	T	6:00PM- 9:20PM	2205	Bonneville V
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**OFTC 132 Medical Records - Insurance Billing and Coding** 3  
*Prerequisite: AHLTH 150 or concurrent enrollment or instructor permission.*

Provides knowledge and skill in organizing and processing medical bills utilizing industry standard coding methods and manually completed CMS billing forms. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

X811	OFTC	132	17	W	6:00PM- 8:20PM	2206	Bonneville V
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**OFTC 252 Desktop Publishing** 5  
*Prerequisite: CIS 140 or instructor permission.*

This course emphasizes professional use of desktop publishing software, including advanced text editing, in the production of various business documents. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A600	OFTC	252	A	TTh	1:00PM- 1:50PM	2205	H/ITV Miller D
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## PHYSICAL EDUCATION

**PE 106 Badminton** 1  
*Prerequisite: Apparent good health or physician's approval for participation.*

This course is designed to meet the needs of all players interested in learning and improving their skills in badminton. 2 lab hours.

E466	PE	106	A	MW	9:00AM- 9:50AM	500	Arthur G
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**PE 112 Intermediate Badminton** 1  
*Prerequisite: Apparent good health or physician's approval for participation; PE 106 or instructor permission.*

A continuation of PE 106.

E468	PE	112	A	MW	9:00AM- 9:50AM	500	Arthur G
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**PE 116 Beginning Step Aerobics** 1  
*Prerequisite: Apparent good health or physician's approval for participation with modifications.*

This class is designed to promote cardiovascular fitness through step aerobic routines set to music. Exercises for the abdominal muscles, hips, thighs and arms are also done to help strengthen and tone those muscle groups. 2 lab hours.

E470	PE	116	A	MW	10:00AM-10:50AM	500	Aho P
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**PE 117 Intermediate Step Aerobics** 2  
*Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 or instructor permission.*

This course is designed to provide instruction on the major areas of lifetime fitness and wellness utilizing step aerobic routines and floorwork. Concepts and techniques taught in PE 116 will be enhanced and built upon, providing the student with the necessary information to continue this activity for a lifetime. 4 lab hours.

E471	PE	117	A	MTWTh	10:00AM-10:50AM	500	Aho P
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**PE 118 Advanced Step Aerobics** 2  
*Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 and PE 117 or instructor permission.*

This class is designed to teach the student how to apply the principles of lifetime fitness and wellness utilizing step aerobics both in the class and outside the class. Students will be provided the opportunity to present a practical application of their knowledge during class. 4 lab hours.

E473	PE	118	A	MTWTh	10:00AM-10:50AM	500	Aho P
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**PE 129 Weight Lifting** 1  
*Prerequisite: Apparent good health or physician's approval for participation with modifications.*

This class is designed to orient the student to the correct use of weight training equipment for the purposes of lifetime fitness. Instruction will focus on lifting for the purposes of strength and conditioning. 2 lab hours.

E495	PE	129	A	MTWTh	11:00AM-11:50AM	540	Arthur G
E500	PE	129	B	MTWTh	12:00PM-12:50PM	540	Arthur G

**PE 130 Intermediate Weight Lifting** 2  
*Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 129 or instructor permission.*

This is an intermediate level weight lifting program designed to help the student continue development of both size, strength and fitness conditioning. The theory of high repetition promoting strength is emphasized. 4 lab hours.

E505	PE	130	A	MTWTh	11:00AM-11:50AM	540	Arthur G
E506	PE	130	B	MTWTh	12:00PM-12:50PM	540	Arthur G

**PE 131 Advanced Weight Lifting** 2  
*Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 130 or instructor permission.*

This course requires the student to apply the physical fitness principles of weight lifting on an individual basis. Advanced weight training techniques are stressed. 4 lab hours.

E508	PE	131	A	MTWTh	11:00AM-11:50AM	540	Arthur G
E509	PE	131	B	MTWTh	12:00PM-12:50PM	540	Arthur G

**PE 170 Fitness Lab** 1  
*Prerequisite: Apparent good health or physician's approval for participation with modifications.*

This is a designed exercise system that will help the student become physically fit by training aerobically utilizing the concepts of circuit training within a personal exercise program. The goal for each student will be improved strength, fitness and flexibility. Proper technique and benefits of lifetime fitness will be emphasized. NOTE: Students should attend the first day of class. 2 lab hours.

E525	PE	170	A	MTWTh	10:00AM-10:50AM	530	Arthur G
E530	PE	170	B	MTWTh	11:00AM-11:50AM	530	Aho P
E535	PE	170	C	MTWTh	12:00PM-12:50PM	530	Aho P

**PE 171 Intermediate Fitness Lab 2**  
*Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 170 or instructor permission.*

This is an intermediate level exercise program that will help students continue the development of their physical fitness by training aerobically, using stations, with the theory of high repetition. The emphasis of the program will be increased strength, better aerobic fitness with continued or increased flexibility. 4 lab hours.

E538	PE	171	A	MTWTh	10:00AM-10:50AM	530	Arthur G
E539	PE	171	B	MTWTh	11:00AM-11:50AM	530	Aho P
E540	PE	171	C	MTWTh	12:00PM-12:50PM	530	Aho P

**PE 172 Advanced Fitness Lab 2**  
*Prerequisites: Apparent good health or physician's approval for participation with modification; PE 170 and PE 171 or instructor permission.*

This course requires the student to apply the principles of physical fitness to his or her individual situation utilizing the fitness lab setting as well as outside opportunities. 4 lab hours.

E543	PE	172	A	MTWTh	10:00AM-10:50AM	530	Arthur G
E544	PE	172	B	MTWTh	11:00AM-11:50AM	530	Aho P
E545	PE	172	C	MTWTh	12:00PM-12:50PM	530	Aho P

**CS 082 Fitness Maintenance**  
*Prerequisite: Instructor permission.*

This course is designed for students who have completed both the beginning and intermediate levels of an activity. Students may, with the permission of the instructor, sign up for this class to continue participation in that activity.

E547	CS	082	A	ARR	ARR	500	Arthur G
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**PE 177 First Aid/CPR 2**

This course is designed to meet Department of Labor and Industry, OSHA and WISHA requirements. Intended for all students with a desire to have or who are required to have first aid and CPR training. 2 lecture hours.

E546	PE	177	A	MW	2:00PM- 2:50PM	308	Aho P
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**PHYSICS**

**PHYS& 122 General Physics w/Lab II 5**  
*Prerequisite: PHYS& 121; Corequisite: Concurrent enrollment in PHYS& 122 Lab.*

A continuation of PHYS& 121, this course covers the second term of the general physics program. It partially satisfies the pre-curriculum requirements in medicine, dentistry, forestry and related fields. Topics studied include special relativity, heat, sound, fluid dynamics, and properties of matter. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

D610	PHYS&	122	A	MTWTh	12:00PM-12:50PM	804	Hillier J
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**PHYS& 122L General Physics Lab II 0**  
*Corequisite: Concurrent enrollment in PHYS& 122 Lecture.*

D615	PHYS&	122L1	W		1:00PM- 2:50PM	804	Hillier J
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**PHYS& 222 Engineering Physics w/Lab II 5**  
*Prerequisites: PHYS& 221 and MATH& 153 or concurrent enrollment in MATH& 153 or instructor permission. Corequisite: Concurrent enrollment in PHYS& 222 Lab.*

This course is a continuation of PHYS& 221. Topics include fluid mechanics, thermodynamics, and electromagnetism. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

D620	PHYS&	222	A	MTWTh	12:00PM-12:50PM	804	Hillier J
				ARR	ARR	804	Hillier J

**PHYS& 222L Engineering Physics Lab II 0**  
*Corequisite: Concurrent enrollment in PHYS& 222 Lecture.*

D625	PHYS&	222L1	Th		1:00PM- 2:50PM	804	Hillier J
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**POLITICAL SCIENCE**

**POL S 110 Law and Justice 5**  
*Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission.*

Law and Justice will examine the basic trends in law and the social changes made within our communities. The focus will be the study and analysis of the concepts of family law, labor-relations law, welfare law, and civil rights laws as they impact each and every one of us. Same as CJUS 110; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E550	POL S	110	A	MTWTh	9:00AM- 9:50AM	2416	H5 Bradbury R
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**POLS& 202 American Government 5**  
*Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.*

An introductory survey concerned with the political operation of the government of the United States, including origins of the Declaration of Independence and the Constitution, a close review of the three branches of government, the electoral process and a critique of current political issues. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

E502	POLS&	202	A	MTWTh	10:00AM- 10:50AM	2417	H5 Murrell G
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**PSYCHOLOGY**

**PSYC& 100 General Psychology 5**  
*Recommended Preparation: Placement in ENGL& 101.*

An introduction to psychology utilizing lectures and group exercises. Deals with the psychology of behavior, development, learning, cognition, motivation and emotion, perception, memory, and both normal and abnormal personalities. Provides an overview of modern psychology in terms of biological, social and intrapsychic factors. 5 lecture hours. Satisfies social science distribution area D requirement or specified elective for the AA degree.

E571	PSYC&	100	A	MTWTh	10:00AM-10:50AM	2202	H5 Watkins C
E570	PSYC&	100	B	MTWTh	11:00AM- 11:50AM	2202	H5 Watkins C

**PSYC& 200 Lifespan Psychology 5**  
*Prerequisite: PSYC& 100 or instructor permission.*

This course presents a comparative look at the various human development models. Students will have an opportunity to gain knowledge of the various stages of human development. This course typically fulfills basic requirements in human development for nursing, psychology and related occupations. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E583	PSYC&	200	A	MTWTh	9:00AM-9:50AM	2202	H5 Watkins C
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**PSYCH 106 Applied Psychology 3**

Applications of theory and current research in psychology with major topics of personality, decision making, communications, motivation, learning and the workplace. Focuses on individual and group thought and behavior in the world of work. Emphasis is placed on change, personal and professional growth. 3 lecture hours. May be used as a general elective in the AA degree.

E575	PSYCH	106	A	TTh	1:00PM- 1:50PM	2416	H RolfeMaloney
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**READING**

**READ 080 Developmental Reading/Study I 5**  
*Prerequisite: Appropriate reading placement test score or instructor permission.*

Extensive reading in texts and on computer of developmental (8.0 - 10.0 grade level) academic, vocational, motivational, and Internet passages coupled with short writing assignments to build literal comprehension skills, vocabulary, and basic study techniques such as organization, note-taking and exam preparation. 3 lecture hours; 4 lab hours.

H800	READ	080	A	MTWTh	9:00AM- 9:50AM	2206	H Barker K
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**READ 081 Developmental Reading/Study II 5**  
*Prerequisite: Instructor permission.*

A continuation of READ 080 for those students needing an additional quarter to reach the prescribed reading grade level. 3 lecture hours; 4 lab hours.

H808	READ	081	A	MTWTh	9:00AM- 9:50AM	2206	H Barker K
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**READ 090 College Preparatory Reading/Study I 5**  
*Prerequisite: Appropriate reading placement test score or instructor permission.*

Extensive reading, in texts and on computer, of college preparation (10.0 - 12.9 grade level) academic, vocational, Internet, and general interest passages coupled with short writing assignments to build literal and inferential reading skills, vocabulary, and basic techniques such as note-taking, memory enhancement and exam preparation. 3 lecture hours; 4 lab hours.

H815	READ	090	A	MTWTh	10:00AM-10:50AM	2206	H Barker K
H816	READ	090	B	MTWTh	11:00AM-11:50AM	2206	H Barker K

**READ 091 College Preparatory Reading/Study II 5**  
*Prerequisite: Instructor permission.*

A continuation of READ 090 for those students needing an additional quarter to reach the prescribed reading grade level. 3 lecture hours; 4 lab hours.

H824	READ	091	A	MTWTh	10:00AM-10:50AM	2206	H Barker K
H825	READ	091	B	MTWTh	11:00AM-11:50AM	2206	H Barker K

## Winter 2010

### SOCIOLOGY

**SOC& 101 Introduction to Sociology** 5  
*Recommended Preparation: ENGL 095 or placement in ENGL& 101.*

An introduction to the principles, concepts, theories and methods of the sociological perspective. Emphasis is placed upon relating sociological ideas to national, community, and individual levels. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

E590	SOC&	101	A	MW	8:00AM-9:50AM	2250	Portmann C
E595	SOC&	101	B	MW	12:00PM-1:50PM	2250	Portmann C
X831	SOC&	101	47	MW	6:00PM-8:10PM	2416	Portmann C

### SPEECH

**SPCH 101 Fundamentals of Speech** 5  
 Principles of effective oral communication including delivery, organization, content, and stress management. A functional approach to effective speaking with practical application in informative, impromptu, and persuasive speeches. 5 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

B690	SPCH	101	A	MW	8:00AM-9:50AM	2102	Duffy B
B691	SPCH	101	B	TTh	12:00PM-1:50PM	2102	Duffy B

**SPCH 124 Broadcasting Practicum** 1-5  
*Prerequisite: Instructor permission.*

The course provides supervised work experience at a local radio or television station for students interested in pursuing careers in broadcasting, especially those who plan to transfer to four-year institutions in pursuit of such career goals. Variable hours. Satisfies general elective requirement for the AA degree.

B695	SPCH	124	A	ARR	ARR	ARR	Duffy B
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**SPCH 201 Fundamentals of Group Discussion** 3  
 Introduction to problem solving in small groups. Emphasis is given to practical experience in group discussion participation and leadership. Additional attention is given to meeting management and panel discussion. 3 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

B696	SPCH	201	A	TWTh	11:00AM-11:50AM	2255	Duffy B
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### THEATRE ARTS

**THEA 151 Theatre Workshop** 1-3  
 This class is made up of those who are in the cast or on the production staff of the play or plays being presented that quarter. A student may take this course six quarters. Satisfies specified elective requirement for the AA degree.

B698	THEA	151	A	ARR	ARR	1600 BC	Duffy B
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**THEA 235 Stagecraft** 4  
*Prerequisite: ENGL 095 or placement in ENGL& 101.*

Principles of set construction including design, drafting, technical production, scenery construction, color, scene painting, and the handling of scenery. 4 lecture hours. Satisfies specified elective requirement for the AA degree.

B699	THEA	235	A	MW	2:00PM-3:50PM	1600 BC	Duffy B
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### WELDING TECHNOLOGY

**WELD 101 Related Welding I** 6  
 Students are given an overview of welding employment opportunities, the most common welding processes (SMAW, GMAW, FCAW and GTAW), and oxyacetylene cutting and heating. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F510	WELD	101	A	TTh	5:00PM-8:45PM	1914	Helland T
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**WELD 102 Related Welding II** 6  
 A lecture-lab course to build upon skills learned in WELD 101. The course promotes proper work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 3 lecture hours; 6 lab hours. Vocational program course. May be used as general elective in the AA degree.

F511	WELD	102	A	TTh	5:00PM-8:45PM	1914	Helland T
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**WELD 103 Related Welding III** 6  
 A lecture-lab course to build upon skills learned in WELD 101 and WELD 102. The course promotes proper work habits and safe work practices. Advanced joint configurations are cut, fit, and welded with common manual and semi-automatic cutting and welding processes. Students will be provided the opportunity to practice for certification testing. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F512	WELD	103	A	TTh	5:00PM-8:45PM	1914	Helland T
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**WELD 110 Beginning Welding** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to provide an introduction to safe industrial work practices, work ethics, oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F560	WELD	110	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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**WELD 120 Intermediate Welding** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to build upon skills in WELD 110. This course promotes work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F565	WELD	120	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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**WELD 130 Advanced Welding** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to build upon skills learned in WELD 120. Work habits and safety are emphasized. Advanced joint configurations are cut, fit, and welded in all positions with common manual and semi-automatic cutting and welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F570	WELD	130	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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**WELD 240 Pipe Welding** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to build upon skills learned in WELD 110 through WELD 130. Pipe is stick and TIG welded in all positions. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F577	WELD	240	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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**WELD 245 Fabrication** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to build upon skills learned in WELD 100 through WELD 130. Course covers basic layout and fitting. Student will be assigned projects to design, draw, and build. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F579	WELD	245	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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**WELD 250 Certification** 16  
*Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.*

A lecture-lab course to build upon skills learned in WELD 110 through WELD 245. Course covers selected industry certification test requirements, procedures, and acceptance standards. Successful students will practice and pass selected certification tests. Testing fees apply for each certification test. Course includes a capstone exam to ensure retention of competency in previous Welding Technology program course topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F581	WELD	250	A	DAILY	7:30AM-11:50AM	1914	McDonald R
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Looking Ahead to 2010

## Financial Aid

The online FAFSA application at [www.fafsa.gov](http://www.fafsa.gov) will be available for the 2010-2011 academic year on January 1st, 2010. The priority deadline will be May 1st - students must have completed files by this date in order to meet the deadline. This means that the FAFSA and all required supporting documents are received by the FA Office on May 1st. To accomplish this, students should completing their FAFSAs on the web no later than April 1, 2010.

Scholarship applications will be available online early January 2010 for the 2010-2011 academic year.

Veterans need to see their Veterans Advisor with a copy of their Winter Quarter schedule.

Students registered in less than 12 credits need to inform the FA Office in writing no later than the 5th day of on campus classes.

GHC Financial Aid Office  
(360) 538-4081