

## Summer 2012

### Accounting

#### **ACCT&203 Prin of Accounting III 5**

An introduction to managerial accounting concepts and principles, job order and process cost systems, cost-volume-profit analysis, budgeting, variances and standard costs, performance analysis for decentralized operations, differential analysis, product pricing, and capital investment analysis. This course is the third in a three-course series designed for all accounting and business majors. Prerequisite: ACCT& 202. SE

1024 OL1 ARR ARR WILKS P

Start & end date: 07/02/12 to 08/24/12

Online fee is \$10.

### Art

#### **ART& 100 Art Appreciation 5**

A survey of the visual arts designed to develop appreciation and understanding for daily living and for discussing architecture, painting, sculpture, and other arts. Lectures, slides, movies, and experiments with Art media. Open to all students. HU

1208 OL1 ARR ARR PALKOVIC F

Online fee is \$10.

### Aviation Commercial Pilot

#### **AVF 111 Pre-Flight Ground School**

This course introduces the student to the aircraft, its flight manual, the basic federal aviation regulations, elementary principles of flight, aircraft operations, and BBCC flight rules. Prerequisite: Accepted flight student status.

1400 01 TWThF ARR 3015 SWEDBURG J

#### **AVF 131 Private Pilot Helicopter (Stage I) 4**

The student will be instructed in the basic flying procedures and skills necessary for the first solo flight in a helicopter. Prerequisite: possess a valid student Pilot Certificate and hold a current medical certificate originally issued as a Class I or II.

1422 01 ARR ARR 3001 STAFF

#### **AVF 132 Private Pilot Helicopter Stage 2 4**

The student will continue development of flying skills to include solo flight, confined area operations, slope operations, night flying, and cross country navigation in a helicopter. Prerequisite: AVF 131

1423 01 ARR ARR 3001 STAFF

#### **AVF 133 Private Pilot Helicopter Stage 3 4**

The student shall gain proficiency and skill in maneuvers and navigation to the level of the Private Pilot Helicopter Practical Test standards, and will complete certification requirements of the Private Pilot Certificate - Helicopter. Prerequisite: AVF 132

1424 01 ARR ARR 3001 STAFF

**AVF 141 Private Pilot Flight (Stage 1) 4**

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time.

1425 01 MTWTh ARR 3001 SWEDBURG J

**AVF 142 Private Pilot Flight (Stage 2) 4**

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 141

1429 01 MTWTh ARR 3001 SWEDBURG J

**AVF 143 Private Pilot Flight (Stage 3) 4**

Scheduled flight time, ground critique, discussions and observation time; both dual and solo flights. Instrumented flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 142

1433 01 DAILY ARR 3001 SWEDBURG J

**AVF 190 Flight (Alternate) 4**

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141

1438 01 DAILY ARR 3001 SWEDBURG J

**AVF 231 Commercial Pilot Helicopter (Stage 4) 4**

The student shall gain proficiency and skill in commercial pilot scenarios and build additional cross country flight experience in a helicopter Prerequisite(s): Concurrent enrollment in instrument and commercial course required. Students enrolling in this flight course must possess a valid private pilot certificate rotorcraft-helicopter and hold a current medical certificate originally issued as a class I or II.

1468 01 ARR ARR 3001 STAFF

**AVF 232 Commercial Pilot Helicopter (Stage 5) 4**

The student will continue to develop the aeronautical skill and experience necessary to meet the requirements for the Commercial Pilot Certificate with a Rotorcraft category rating. Prerequisite: AVF 231

1469 01 ARR ARR 3001 STAFF

**AVF 251 Commercial Pilot Flight (Stage 4) 4**

Scheduled flight time, ground critique, discussion and observation time, dual, solo, cross-country, and instrument. Includes simulator time. Prerequisite: AVF 143

1471 01 DAILY ARR 3001 SWEDBURG J

**AVF 252 Commercial Pilot Flight (Stage 5) 4**

Scheduled flight time, ground critique, discussion and observation time; dual, solo, cross-country, instrument, and complex aircraft time. Includes simulator time. Prerequisite: AVF 251

1475 01 DAILY ARR 3001 SWEDBURG J

**AVF 253 Commercial Pilot Flight (Stage 7) 4**

Scheduled flight time, ground critique, discussion and observation time; dual, solo, and cross-country time. Includes 28 hours simulator time upon program completion. Prerequisite: AVF 261

1479 01 DAILY ARR 3001 SWEDBURG J

**AVF 254 Night Flying 1**

Provides an introduction to night flying and advanced instruction in night navigation, procedures, orientation, landings, takeoffs and techniques necessary for safe operation of airplanes at night. Prerequisite: AVF 142

1484 21 MTWTh ARR 3001 SWEDBURG J

**AVF 261 Instrument Flight (Stage 6) 4**

Provides training in instrument flight procedures in preparation for the airplane instrument rating; includes simulator training. Prerequisite: AVF 252

1487 01 DAILY ARR 3001 SWEDBURG J

**AVF 270 Flight Instructor 4**

Preparation for the Certified Flight Instructor rating; includes flight time and critique. Prerequisite: Commercial license and instrument rating and Chief Pilot approval.

1494 01 DAILY ARR 3001 SWEDBURG J

**AVF 271 Flight Instructor Instrument - Airplane 2**

Provides the Flight Instructor applicant with the knowledge, skill and experience necessary to become an Instrument Instructor; includes flight time and critique. Prerequisite: Commercial/Instrument license, CFI single engine license and 10 hours as CFI with FII written passed and Chief Pilot approval.

1495 01 DAILY ARR 3001 SWEDBURG J

**AVF 272 Seaplane Flight 2**

A dual flight lab course designed to develop flight skills in water operations and procedures, along with flight maneuvers in preparation for the FAA Seaplane Rating; includes flight time and critique. Prerequisite: Commercial Pilot Certificate or Chief Pilot approval.

1498 01 DAILY ARR 3001 SWEDBURG J

**AVF 275 Multi-Engine Flight Lab 2**

Preparation for the FAA Multi-Engine rating. Prerequisite: Commercial Pilot Certificate and Chief Pilot approval.

1505 01 DAILY ARR 3001 SWEDBURG J

**AVF 276 Simulator Training/Instrument Training .5- 1**

Designed to fit the individual and particular needs of each pilot in Instrument Training, refresher or FAA currency requirements. Prerequisite: Instructor approval.

1507 01 DAILY ARR 3002 SWEDBURG J

**AVF 290 Flight (Alternate) 4**

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141.

1512 01 DAILY ARR 3001 SWEDBURG J

**AVF 291 Multi-Engine - Instructor 2**

Preparation for the FAA Multi-Engine Flight Instructor rating. Prerequisite: Commercial Airplane with Instrument rating, Multi-Engine Land ratings, Flight Instructor Single Engine.

1518 01 DAILY ARR 3001 SWEDBURG J

### Aviation Maintenance

**AMT 151 Airframe Mechanic I 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course will cover aircraft airframe structures, including wood, fabric and sheet metal, airframe inspection, application of finishes and assembly of fixed wing and rotary wing components and structures, balancing and rigging of airframe structures and components. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1564 01 DAILY ARR 3200 BORG C

**AMT 152 Airframe Mechanic II 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course will cover aircraft airframe systems and components. To provide the skills in checking, overhaul, repairs, installation, removal, servicing, inspection, and troubleshooting of landing gear systems, hydraulic and pneumatic power systems, cabin atmosphere control systems, aircraft instruments, communication and navigation system lab, aircraft fuel systems, aircraft electrical systems, position and warning systems, ice and rain control systems, and fire protection systems. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1568 01 DAILY ARR 3200 BORG C

**AMT 153 Airframe Mechanic III 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

As required by the Federal Aviation Administration, the airframe program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 153 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation airframe related studies. This course will cover any area of the FAA required airframe curriculum that the student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any airframe related area of study. This course is FAA approved under 14 CFR part 147. Prerequisite: AMT 150, 151, 152, MAP 100 and instructor approval.

1574 01 DAILY ARR 3200 BORG C

**AMT 251 Powerplant Mechanics I 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1584 01 DAILY ARR 3200 MOORE D

**AMT 252 Powerplant Mechanics II 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1588 01 DAILY ARR 3200 MOORE D

**AMT 253 Powerplant Mechanics III 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1594 01 DAILY ARR 3200 MOORE D

**AMT 254 Powerplant Mechanic IV 4-14**

Lab Fee: \$147.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 254 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation Powerplant related studies. This course will cover any area of the FAA required Powerplant curriculum that the student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any Powerplant related area of study. This course is FAA approved under 14 CFR Part 147. Prerequisite: AMT 251, 252, 253 and instructor approval.

1598 01 DAILY ARR 3200 MOORE D

### **Biology**

**BIOL&100 Survey of Biology 5**

Lab Fee: \$16.50

A study of basic biological principles common to all organisms. This course is intended for non-majors who desire a lab science requirement. Topics of study include: basic chemistry of cells, cell structure and function, membrane transport, cell metabolism and division, genetics and gene function, evolution, and ecology. Related investigations take place in a required two-hour lab period each week. There will be no required dissections in the laboratory. LS

1600 01 DAILY 07:35AM-09:45AM 1211 HALEY G

## **Business**

### **BUS 121 Business English 5**

This Business English course is designed to prepare students for today's offices where clear and concise writing is based on a sound understanding of grammar and is considered to be an essential job skill.

Prerequisite: Successful completion of ENGL 098 or placement into ENGL 099.

1730 01H TTh 08:00AM-09:30AM 1612 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

This is a hybrid class. You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Class will meet on Tuesdays and Thursdays from 8:00 a.m. - 9:30 a.m. each week from 8:00 a.m. – 9:30 a.m. each week. Online fee is \$10.

### **Business Information Management**

#### **BIM 101 Basic Keyboarding 1- 2**

Lab Fee: \$16.50

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course gives emphasis to learning the keyboard; namely, the alphabet and the numbers and symbols.

1795 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

#### **BIM 102 Document Formatting 1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course gives primary emphasis to the formatting of business documents using Microsoft Word.  
Prerequisite: Keyboarding skills.

1802 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

Instructor permission required. You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

#### **BIM 104 Intermediate Keyboarding 1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course focuses on the improvement of speed and accuracy. Prerequisite: BIM 101 or keyboarding skills.

1808 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 130          Filing                  1- 2**

Lab Fee: \$16.50

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course introduces basic filing rules for alphabetic, numeric, subject, and geographic filing.

1850   01      MTWTh          ARR    1613    BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 181          Introduction to Microsoft Office: Word          1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course provides a brief introduction to Microsoft Word. It is not intended for Business Information Management Program students.

1875   01      MTWTh          ARR    1613    BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 182          Introduction to Microsoft Office: Excel          1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course provides an introduction to Microsoft Excel 2010. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH 090 or BBCC placement exam into MATH 095 or higher.

1880   01      MTWTh          ARR    1613    BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 183          Introduction to Microsoft Office: Access          1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course provides a brief introduction to Microsoft Access. It is intended for students not majoring in the Business Information Management Program

1885 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 184 Introduction to Microsoft Office: PowerPoint 1- 3**

Lab Fee: \$24.75

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course gives a brief introduction to Microsoft Access. It is intended for students not majoring in the Business Information Management Program

1890 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

**BIM 210 Internet 1- 2**

Lab Fee: \$16.50

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course will teach the functions of accessing Internet.

1920 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 07/02/12 to 08/02/12

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. All students must attend for one hour on July 2.

## **Chemistry**

**CHEM&121 Intro to Chemistry 5**

Lab Fee: \$16.50

This course is designed for the allied health students. In addition, this class serves students wanting an introductory chemistry course prior to the full year CHEM& 161, 162, 163 sequence. Topics include basic chemical vocabulary, atomic structure, stoichiometry, periodic behavior of elements and compounds, gases, liquids, solids, solutions, water and equilibria. The course includes 22 hours of laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions. Relevance of course material to current practices in chemistry is a fundamental focus. Prerequisite(s): Passing grade in MATH095 or placement in MATH099. A passing grade in high school chemistry or completion of CHEM& 105 or CHEM& 110 is recommended. LS

1965 01 DAILY 07:30AM-09:40AM 1218 CHRISTENSEN B

1968 02 DAILY 10:00AM-12:10PM 1218 CHRISTENSEN B

## **College Success Skills**



**CSS 100 College Survival Skills 3**

A participant in this class will learn to be a more efficient, productive learner. The participant's individual learning style and personality type are identified. Areas of consideration and study include: time management; stress management; listening skills; note taking; memory; mnemonics; reading retention and comprehension; test-taking; test anxiety; math anxiety; the writing process; critical thinking, active learning, and values clarification.

2018 01 MTW 10:00AM-11:40AM 1611 POTH MITCH

2020 OL1 ARR ARR ESPARZA S

Online fee is \$10.

**CSS 104 Introduction to Computer Literacy 3**

This course will provide the student with an introduction to computer operations, file management, e-mail, applications, the Internet, and BBCC technology. The course will provide an overview of skills a student should possess before taking an online class. The course is not intended to teach keyboarding or computer applications such as Microsoft Office.

2061 21H T 06:00PM-07:00PM 1613 DELEON J

Orientation July 3 from 6:00-8:00 p.m. This class combines online and on ground instruction. For every hour of in class instruction students are expected to complete four additional hours of instruction online. Online fee is \$10.

**Commercial Driver's License**

**CDL 100 Commercial Driver's License (CDL) 17**

Lab Fee: \$2918.44

This course provides classroom study, driving instruction and experience. The course prepares students for the CDL driving examination and entry level employment. Prerequisite: Completed Commercial Driver's License (CDL) Program Application with supporting documents.

2072 01 DAILY 07:30AM-04:00PM 1534 MILLER R

For application contact Randy Miller at 793.2295 or Julia Gamboa at 793.2045.

2075 21B DAILY 07:30AM-04:00PM 1534 GARZA G

This course incorporates basic skills. For program application please contact Guillermo Garza at 793.2221 or Jose Esparza at 793.2072.

**Communications**

**CMST&220 Public Speaking 5**

Provides an introduction to the fundamental process of speaking to the public. It is designed to help students develop skills in communication and to acquire an understanding of oral communication as a vital human relations factor in society. HU

2092 01 MTWTh 12:30PM-02:30PM 1611 POTH MITCH

**English**

**ENGL 010 English Lab 0**

Community Ed Fee: \$42.30

Allows non-BBCC student access to tutors in the English Lab.

2500 01 DAILY ARR 1832 SHUTTLETH K

**ENGL 065 Spelling Improvement 2**

Lab Fee: \$6.60

With a self-paced approach, the student will practice commonly misspelled words that account for 97% of spelling errors by a combination of the whole-word method and learning the rules and exceptions of the English spelling system.

2502 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLETH K

2504 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLETH K

**ENGL 087 Reading Improvement 3**

Lab Fee: \$9.90

Reading improvement for adults with emphasis on increasing and improving vocabulary and comprehension to college level. Prerequisite: English placement exam.

2508 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLETH K

2510 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLETH K

**ENGL 093 Basic Writing 3**

Lab Fee: \$9.90

This class is designed for adult students who have little or no experience writing beyond elementary school. During the class, students will choose a topic and develop the main idea and its support thus gaining practice in proofreading, punctuation and using correct grammar to develop paragraphs. Prerequisite: placement exam.

2512 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLETH K

2514 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLETH K

**ENGL 095 Writing Improvement 3**

Lab Fee: \$9.90

Through individual writing experiences and the practice of assigned exercises, the student will develop a procedure for writing and revising papers using word processing. Students may submit papers written during the quarter to portfolio assessment of preparedness for ENGL& 101. Prerequisite: ENGL 093 or placement.

2518 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLETH K

2520 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLETH K

**ENGL 099 English Skills (Pre-101) 5**

Lab Fee: \$16.50

This class is a composition course designed to prepare students for college reading and writing using word processing. Students write personal and academic essays and prepare a writing portfolio. The course includes the study of sentence sense and mechanics, grammar, punctuation, paragraph and essay structure as well as activities that improve reading and vocabulary. Prerequisite: Satisfactory completion of ENGL 098 or placement in ENGL 099 through the English placement exam.

2532 01 MTWTh 10:00AM-12:00PM 1606 ANDERSON J

**ENGL&101 English Composition I 5**

Lab Fee: \$16.50

This composition course provides instruction in academic written communication by having students compose formal essays, with the goal of teaching students to communicate effectively and engage with issues and ideas. Prerequisite: placement exam or passing grade in ENGL 099.

2548 01 MTWTh 10:00AM-12:00PM 1607 HAMMOND D

2550 OL1 ARR ARR RAMM J

Online fee is \$10.

**ENGL&102 Composition II 5**

Lab Fee: \$16.50

This advanced composition course provides instruction in academic writing through literary analysis and increases students' exposure to literature. Prerequisite: 2.0 or higher score in ENGL& 101.

2562 01 MTWTh 10:00AM-12:00PM 1855A ROBERTSON D

**First Aid**

**FAD 150 Industrial First Aid and C.P.R. Plus Bloodborne 2**

Lab Fee: \$8.25

An Industrial First Aid course and Bloodborne Pathogen course designed to meet the Department of Labor and Industry, OSHA and WISHA requirements. Intended for supervisory personnel, employees, pre-nursing, Pre-Emergency Medical Technicians, and those interested in having first aid and C.P.R. training. This course is recognized in the U.S. and several foreign countries by federal and state agencies and company employers.

2680 01 F 09:00AM-05:00PM 1702 BENKO A

Start & end date: 07/27/12 to 08/10/12

Books are required. Class meets 7/27, 8/3, 8/10.

**Health Education**

**HED 123 The Human Body and Disease III 5**

This is the third course in a three-part course sequence. This course focuses on human disease of the body and the treatments, prognoses, and prevention associated with each disease. Prerequisite: HED 122

2820 OL1 ARR ARR SPENCER S

Online fee is \$10.

**HED 151 Medical Terminology II 3**

This is the second of a two part course to prepare students to correctly use medical vocabulary. Prerequisite: HED 150

2844 OL1 ARR ARR MANN M

Online fee is \$10.

**History**

**HIST&137 US History 2 5**

From the end of the Civil War to present day, this course examines Reconstruction, the Gilded Age, America's rise to a world power, World War I, the triumph of Modernism, the Depression and New Deal, World War II, the Cold War, the turbulent 1960's, disillusioned 1970's, and the Reagan Revolution. More recent events are examined as ongoing and current events. Students are encouraged to complete ENGL& 101 prior to taking this class. Strongly recommend placement in MPC 095 or higher and placement in ENGL 099 or higher. SS

2935 OL1 ARR ARR RILEY C

Section OL1: All coursework for this class will be completed online through Angel. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

**Math**

**MATH 010 Math Lab 0**

Community Ed Fee: \$42.30

Permits the use of the Math Lab Computer Resources by non-BBCC students during Math Lab hours.

3245 01 DAILY ARR BROWN D

**MATH 094 Prealgebra 5**

Lab Fee: \$16.50

This course includes the study of basic arithmetic and algebraic topics including operations with integers, fractions, and percents; algebraic expressions; formulas; and simple linear equations. Prerequisite(s): one of the following: BBCC math placement exam or successful completion of MPC/MATH 080 and MPC/MATH 080 final

3248 CL1 DAILY 08:00AM-09:40AM 1801 WALLACE

Section CL1 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

3250 CL2 DAILY 10:00AM-11:40AM 1801 ABED

Section CL2 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

**MATH 096 Elementary Algebra I 5**

Lab Fee: \$16.50

This course includes the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes measurement and the metric system, solving and graphing linear equations, and working with polynomials. Prerequisite(s): one of the following: BBCC math placement exam or successful completion of at least four units in MATH 094 or Successful completion of MPC/MATH 090 (will start after Proficiency Exam #1)

3268 CL1 DAILY 08:00AM-09:40AM 1801 WALLACE

Section CL1 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

3270 CL2 DAILY 10:00AM-11:40AM 1801 ABED

Section CL2 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

**MATH 097     Elementary Algebra II             5**

Lab Fee: \$16.50

This course includes the study of basic and intermediate algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, working with rational expressions, systems of equations and applications. Prerequisite(s): one of the following: BBCC math placement exam or successful completion of at least five units in MATH 096 or successful completion of MPC/MATH 095 (will start after Proficiency Exam #2)

3278   CL1    DAILY             08:00AM-09:40AM     1801   WALLACE

Section CL1 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

3280   CL2    DAILY             10:00AM-11:40AM     1801   ABED

Section CL2 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

**MATH 098     Intermediate Algebra             5**

Lab Fee: \$16.50

This course includes the study of intermediate algebraic operations and concepts, and the structure and use of algebra. This includes functions, radicals and rational exponents, radical equations, complex numbers, quadratic equations and their applications, and an introduction to exponential and logarithmic functions. Prerequisite(s): one of the following: BBCC math placement exam or successful completion of at least five units in MATH 097 or Instructor Permission

3288   CL1    DAILY             08:00AM-09:40AM     1801   WALLACE

Section CL1 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

3290   CL2    DAILY             10:00AM-11:40AM     1801   ABED

Section CL2 will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested that you have internet access outside of class.

**MATH&107     Math in Society             5**

Lab Fee: \$16.50

This course will introduce the non-math/science major to mathematical applications in a variety of disciplines. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of all MATH 099 or MATH 093.MS/SQR

3301   01H    DAILY             10:00AM-11:40AM     1219   WALLACE T

This class may be taken in class, online, or hybrid. Online or hybrid students must log into Angel the first day of the quarter. Tests are proctored on campus.

**MATH 120     College Algebra             5**

Lab Fee: \$16.50

This course will present the student with the basic concepts and applications of college level algebra, introduction to functions, graphing, introduction to probability, and right triangle trigonometry. This course is designed to be a college level, terminal, math course for the liberal arts major and also to prepare the science, engineering or business student for more advanced work. Prerequisite: Appropriate scores in the BCC Math Assessment or successful completion of MATH 099 or 093. MS/SQR

3308 01 DAILY 08:00AM-09:40AM 1219 ABED S

### **Math (Applied)**

#### **MAP 108 Applied Mathematics (MA) 3**

This class provides review and instruction in whole numbers, fractions, ratios, decimals, proportions, percents, measurement and metrics, word problems (fractions, decimals, percentages) tables and graphs as they relate to employment as a Medical Assistant. Prerequisite: Successful completion of MATH080 or BCC Math Assessment placement into Math 090 or above.

3415 21 TTh 05:30PM-07:50PM 1855B ERWIN K

3417 OL1 ARR ARR ERWIN K

Online fee is \$10.

### **Medical Assistant**

#### **MA 195 Externship/Practicum for the Medical Assistant 6**

Lab Fee: \$2.50

The course will focus students on real life work in a medical office assisting physicians and office personnel by performing assigned duties in both administrative and clinical procedures. The work experience is supported by instructor site visits and classroom seminars where students and faculty can review on-the-job experiences. Prerequisites: MA 113, MA 150; Co-requisite MA 197.

3580 01 ARR ARR MANN M

#### **MA 197 Externship/Practicum Seminar 1**

This class enhances students' abilities and work based learning at the externship site. Students will review important topics by applying the concepts acquired in the clinical area. Students will share information, procedures and experiences in different medical settings with other students. Visitations to other medical facilities will be a component of this course. Prerequisite: MA 113, MA 150 Corequisite: MA 195

3585 01 ARR ARR 1722 MANN M

Mandatory orientation July 3 from 10:00 a.m. to 1:00 p.m.

## Nursing

### **NUR 100      Nursing Assistant                      9**

Lab Fee: \$62.91

This course prepares students to take the Nursing Assistant examination as outlined by Federal and State guidelines. Training will include classroom, skills lab, and clinical experience. Prerequisites: Read, write, speak and understand English at the level necessary for performing duties of the nursing assistant. (Compass test score of 40 or above or placement in ENGL 98 or above)

3800    01      TWThF                      ARR                                      1721    ERWIN K

Class meets Monday-Friday the first week of the quarter. Email [kathye@bigbend.edu](mailto:kathye@bigbend.edu) for more information on class times.

### **NUR 103      HIV/AIDS Education                      1**

Lab Fee: \$10.00

An HIV/AIDS education course designed to meet the Washington State mandatory requirements for health care and childcare providers. Successful completion includes HIV/AIDS education certification.

3808    01H      ARR                              ARR                                      MANN M

Class orientation and assignments are accessed online through Angel. Mandatory in class final on August 2 at 10:30 a.m. in room 1722. Online fee is \$10.

### **NUR 140      PN Completion/Transition                      4**

Theoretical nursing knowledge focuses on selected health conditions pertinent to medical and surgical patients. Includes legal and professional considerations and is the completion course for students transitioning into the Practical Nurse Setting. Transition course for Licensed PNs entering the ADN program and is optional for other ADN students. Prerequisites: PSYC& 100 with a 2.0 G.P.A. or current LPN licensure and permission of program director.

3865    01      M                                      08:00AM-02:50PM                      1718    BROOKS J

Start & end date: 06/18/12 to 07/25/12

### **NUR 141      PN Completion/Transition Practicum                      8**

Lab Fee: \$2.50

Practical application in the clinical setting of nursing theory and skills taught in previous nursing courses and introduced in NUR 140. Practicum focuses on nursing care to a variety of medical, surgical, and psychiatric patients. Prerequisites: PSYC& 100 with a 2.0 G.P.A. or current LPN licensure and permission of program director.

3868    01      ARR                              ARR                                      BROOKS J

3869    02      ARR                              ARR                                      ASAY M

3870    03      ARR                              ARR                                      ELLISTON J

## Nutrition

### **NUTR&101      Nutrition                                      5**

An introductory course providing the most up-to-date, accurate and scientifically sound nutrition information focusing on how nutrition and lifestyle choices influence health and disease. Prerequisite: Completion of ENGL 099 or placement in ENGL& 101. NS

3980	01	DAILY	08:00AM-09:40AM	1601	CHRISTIAN M
3982	OL1	ARR	ARR		CHRISTIAN M

Section OL1: Students view class lectures, submit assignments, and take exams online. Online fee is \$10.

### Philosophy

**PHIL&106      Intro to Logic                      5**

This course is an introduction to the procedures used to evaluate persuasive arguments, including those made in political debates and advertising, and several methods of deductive reasoning. Students will learn how to identify common mistakes and will learn how to analyze more advanced formal arguments. HU/SQR

4212	01	MTWTh	10:00AM-12:00PM	1601	KNEPP D
4214	OL1	ARR	ARR		KNEPP D

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$10.

### Physical Education

**PEH 100            Lifetime Wellness                      3**

A course designed for the person who wishes to gain knowledge in lifetime general fitness. Review of health issues, health behavior, behavior modification, stress, exercise, nutrition, obesity, weight reduction and maintenance, cancer, cardiovascular health, alcohol, drugs, and sexually transmitted diseases. Discussions will encourage critical thinking in the development of life-long personal wellness. The role of culture will be examined in relationship to health and wellness. SE

4312	01	MTW	10:00AM-11:30AM	1610	STAFF
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**PEH 155            Body Toning                              1**

This course involves special exercise and calisthenics which enhance total fitness, figure improvement, body toning, weight control, and posture. Students will use balance/fitness balls and light to medium dumbbells to improve overall core strength and balance of the body. May be repeated for up to three (3) credits. AC

4392	26	ARR	ARR		STAFF
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Section 26 will be taught at Jazzercise, 824 W 3rd Ave, Moses Lake. Students enrolling in this section will pay Jazzercise for sessions. Contact Mary Graham at 765.4581 for enrollment information.

### Political Science

**POLS&202        American Government                      5**

From the constitutional convention in Philadelphia (1788) to the most recent presidential elections, this course explores American politics and governmental functions. The focus is on the interaction and structure of the executive, legislative, and judicial branches of the national government. SS

4502	OL1	ARR	ARR		RILEY C
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Section OL1: All coursework for this class will be completed online through Angel. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.



## Psychology

### **PSYC&100    General Psychology                    5**

A broad survey course designed to study human behavior with reference to biology, learning, motivation, emotion, perception, intelligence, human development, mental processes, personality, abnormal behavior, and research. Strongly recommend placement in MATH 095 or higher and placement in ENGL 099 or higher. SS

4554    OL1    ARR                    ARR                                    LEONARD R

Section OL1: All coursework for this class will be completed online through Angel. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

### **PSYC&200    Lifespan Psychology                    5**

This course examines the physical, intellectual, emotional, and social growth and development that occurs throughout the human lifespan. Prerequisite: PSYC& 100. SS

4578    OL1    ARR                    ARR                                    HOLLIWAY D

Section OL1: All coursework for this class will be completed online through Angel. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

## Religious Studies

### **REL 211        Religion in America                    5**

A study of American religious groups, principally Christian denominations, including selected sects and cults. Various beliefs and practices will be examined in light of historical and social influences. HU

4608    OL1    ARR                    ARR                                    KNEPP D

Online fee is \$10.

## Welding

### **WLD 111        Welding Process I                    3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Introduction to arc welding processes; welding of E-6010 and various kinds and size of electrodes in all positions, manipulative skills including stringer beads and weave beads on plate and joints with AC and DC welding machines. Night students must earn a total of six credits before going on to the next course. These three credit courses may be repeated for credit up to six credits. Tech Prep credit available.

4846    21        MTWTh                    04:30PM-09:30PM                    3403    KAUPP G

### **WLD 112        Thermal Cutting and Welding                    3**

Lab Fee: \$31.50

Various techniques of steel cutting with oxy-fuel, air carbon arc, shielded metal arc, plasma arc processes and oxy-acetylene welding and brazing with various metals.

4860    21        ARR                    04:30PM-09:30PM                    3403    KAUPP G

### **WLD 121        Welding Process II                    3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Welding open root corner joints and beveled 3/8" plate, using E-6010 electrodes and ASME performance certification plate tests. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 111.

4884 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 122 Gas Metal Arc Welding I 3**

Lab Fee: \$31.50

Materials of carbon steel and stainless steel with 0.035 solid wire and aluminum with 0.030 solid wires. Various joints and thicknesses of materials welded in all positions, using different modes and gases.

4902 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 131 Welding Process III 3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Using E-7018 electrodes, weld corner joints, bevel plates in all positions and ASME and WABO performance certification tests. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 121.

4924 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 132 Gas Tungsten Arc Welding I (TIG) 3**

Lab Fee: \$31.50

The beginning G.T.A.W. process. Freehand techniques for aluminum, carbon steel, stainless steel, copper, and titanium. Using these materials, running beads, butt, lap, edge, corner and T joints in all positions. Also cup walk motion with 3/8" plate in vertical and horizontal positions.

4942 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 190 Skill Improvement 1- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

4986 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 212 Gas Metal Arc Welding II 3**

Lab Fee: \$31.50

Flux cored arc welding with carbon steel and stainless steel using 0.045 flux cored wire following A.W.S. and W.A.B.O. procedure code. Various joints, thicknesses of materials in all positions. Also 1" plate W.A.B.O. unlimited field certification test. Prerequisite: WLD 122.

5032 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 241 Structural Weld Process I 6**

Lab Fee: \$63.00

This course focuses on student learning of structural connection mockups applying the Shielded Metal Arc and Flux Cored Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5044 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 242 Structural Welding I 3**

Lab Fee: \$31.50

An introductory course focusing on fabrication of structural weldments utilizing shielded metal arc welding and flux cored arc welding on structural connections. Prerequisite: WLD 212 or instructor approval.

5054 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 243 Structural Weld Process II 6**

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5064 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 244 Submerged Arc Welding 3**

Lab Fee: \$31.50

This course focuses on student learning of submerged arc welding process which entails an arc that takes place beneath a bed of granular flux. This is a high deposition industrial orientated welding process that is used to manufacture light to heavy weldments. Prerequisite: WLD 242 or instructor approval.

5074 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 245 Structural Weld Process III 6**

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5084 21 MTWTh 04:30PM-09:30PM 3400 KAUPP G

**WLD 261 Production Weld Process I 6**

Lab Fee: \$63.00

An introductory course focusing on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5100 21 MTWTh 04:30PM-09:30PM 3404 KAUPP G

**WLD 262 Production Welding I 3**

Lab Fee: \$31.50

This course focuses on student learning of production welding within a shop setting. Prerequisite: WLD 212 or instructor approval.

5110 21 ARR 04:30PM-09:30PM 3403 KAUPP G

**WLD 263 Production Weld Process II 6**

Lab Fee: \$63.00

An intermediate course that focuses on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on large parts in accordance with drawings. Prerequisite: WLD 261 or instructor approval.

5120 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 264 Advanced Weld Process 3**

Lab Fee: \$31.50

An advanced course focusing on student learning of welding processes such as pulsed gas metal arc, pulsed gas tungsten arc, and welding on advanced materials i.e., titanium and inconel. Prerequisite: WLD 262

5130 21 ARR 04:30PM-09:30PM 3404 KAUPP G

**WLD 265 Production Weld Process III 6**

Lab Fee: \$63.00

An advanced production welding course focusing on application of Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on small parts in accordance with drawings. Parts will be welded in student manufactured fixtures. Prerequisite: WLD 263 or instructor approval.

5140 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G

**WLD 281 Pipe Welding I 3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Students will be introduced to pipe welding 1G, 2G, 5G, and 6G positions using E-6010 electrodes with schedule 60, 80, 100, 120 and various size pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 131

5156 21 MTWTh 04:30PM-09:30PM 3404 KAUPP G

**WLD 282 Gas Tungsten Arc Welding II (TIG) 3**

Lab Fee: \$31.50

This course introduces students to carbon steel pipe welding in 1G, 2G, 5G, and 6G positions using cup walk methods with 1/8" electrodes on schedule 60 and other various sizes of pipe. Prerequisite: WLD 132

5164 21 ARR 04:30PM-09:30PM 3404 KAUPP G

**WLD 283 Pipe Welding II 3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Students will enhance carbon steel pipe welding in 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 electrodes with schedule 60, 80, 100 and 120 pipes and various other sizes of pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 281

5174 21 MTWTh 04:30PM-09:30PM 3404 KAUPP G

**WLD 284 Gas Tungsten Arc Welding (TIG) III 3**

Lab Fee: \$31.50

Students will use advanced skills on carbon steel pipe in the 2G, 5G, 6G positions, carbon steel pipe with stainless steel rods and stainless steel pipe in the 2G, 5G, and 6G positions. Prerequisite: WLD 282

5184 21 ARR 04:30PM-09:30PM 3404 KAUPP G

**WLD 285 Pipe Welding III 3- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course focuses on pipe welding 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 rods and a combination of G.T.A.W and S.M.A.W. process with schedule 40, 60, 80, 100, 120 and various other sizes of pipes. Prerequisite: WLD 283

5194 21 MTWTh 04:30PM-09:30PM 3404 KAUPP G

**WLD 290 Skill Improvement II 1- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

5206 21 MTWTh 04:30PM-09:30PM 3403 KAUPP G