

Summer 2013 Class Schedule

Accounting

ACCT&203 Prin of Accounting III 5

Lab Fee: \$10.00

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

1020 OL1 ARR ARR WILKS P

Start & end date: 07/01/13 to 08/23/13

Online fee is \$10.

Art

ART& 100 Art Appreciation 5

Lab Fee: \$10.00

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 1

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. This course starts the week prior to the normal class starting date. All students accepted and alternates must attend this course. Pre-program counseling is done at this time, and flight training is started. Prerequisite: Accepted flight student status.

1400 01 ARR 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. Instrument 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 150 AMT General 4-14

Lab Fee: \$154.00

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aviation applied physics, application of aircraft drawing, function of weight and balance control, operation and cleaning of aircraft, identification and application of aircraft materials. The use of maintenance forms and publications in the aviation industry. This course is approved under FAA Part 147. Prerequisite: instructor approval.

1558 01 DAILY ARR 3200 BORG C

AMT 151 Airframe Mechanic I 4-14

Lab Fee: \$154.00

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: \$154.00

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: \$154.00

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: \$154.00

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. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1584 01 DAILY ARR 3200 MOORE D

AMT 252 Powerplant Mechanics II 4-14

Lab Fee: \$154.00

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. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1588 01 DAILY ARR 3200 MOORE D

AMT 253 Powerplant Mechanics III 4-14

Lab Fee: \$154.00

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. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1594 01 DAILY ARR 3200 MOORE D

AMT 254 Powerplant Mechanic IV 4-14

Lab Fee: \$154.00

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 permission.

1598 01 DAILY ARR 3200 MOORE D

Biology

BIOL&100 Survey of Biology 5

Lab Fee: \$17.20

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

Lab Fee: \$10.00

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 1611 BERRY-GUERIN

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. Online fee is \$10. This class will end Monday, August 5. Please check your BBCC email for further instruction.

Business Information Management

BIM 101 Basic Keyboarding 2

Lab Fee: \$17.20

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

1796 01H MTWTh ARR 1613 BERRY-GUERIN

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. Attendance is required for one hour on July 1. BIM classes end August 1.

BIM 102 Document Formatting 1- 3

Lab Fee: \$25.80

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 01H MTWTh ARR 1613 BERRY-GUERIN

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. Attendance is

required for one hour on July 1. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m. - 2:30 p.m. BIM classes end August 1.

BIM 104 Intermediate Keyboarding 1- 3

Lab Fee: \$25.80

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

This is a skills-based class that requires daily attendance. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m. - 2:30 p.m. BIM classes end August 1.

BIM 109 Internet Communications 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course will teach the functions of email communications and the fundamental use and sharing of Web Applications.

1822 01 MTWTh ARR 1613 BERRY-GUERIN

Attendance is required daily in Room 1613. BIM Lab, Room 1613, hours Monday - Thursday 9:30 a.m. - 2:30 p.m. BIM classes end August 1.

BIM 110 Microsoft Office 2010 Essentials 3

Lab Fee: \$25.80

This course is an introduction to Microsoft Office Suite 2010. This course is not intended for Business Information Management majors. Credit cannot be earned in both BIM110 and BIM108.

1827 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BBCC email for further instruction.

BIM 130 Filing 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

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

1850 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BBCC email for further instruction.

BIM 177 Office Information Management Lab 1- 6

Lab Fee: \$51.60

Variable Credit Lab Fees are calculated at the highest rate

This course allows individual study in one of the business information management subject areas. Study and credit hours determined at the time of enrollment by the instructor. Prerequisite: instructor approval.

1865 01 MTWTh ARR 1613 BERRY-GUERIN

BIM 181 Introduction to Microsoft Office: Word 1- 3

Lab Fee: \$25.80

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 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BCC email for further instruction.

BIM 182 Introduction to Microsoft Office: Excel 1- 3

Lab Fee: \$25.80

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 BCC placement exam into MATH 095 or higher.

1880 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BCC email for further instruction.

BIM 183 Introduction to Microsoft Office: Access 1- 3

Lab Fee: \$25.80

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 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BCC email for further instruction.

BIM 184 Introduction to Microsoft Office: PowerPoint 1- 3

Lab Fee: \$25.80

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 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BCC email for further instruction.

BIM 210 Internet 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course will teach the functions of accessing Internet.

1920 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. BIM Lab, Room 1613, hours Monday-Thursday 9:30 a.m.-2:30 p.m. BIM classes end August 1. Please check your BCC email for further instruction.

Chemistry

CHEM&121 Intro to Chemistry 5

Lab Fee: \$17.20

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 STAFF

1968 02 DAILY 10:00AM-12:10PM 1218 STAFF

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 1911 STAFF
2020 OL1 ARR ARR DELEON J

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/GARZA

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

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 1911 POTH MITCH

Computer Science

CS 101 Intro to Computer Science 3

Lab Fee: \$10.00

An introduction to computer science concepts and the role of computers in society. Topics include the history of computing, computer hardware, operating systems, the Internet, database management, an overview of programming languages and logic, careers in computer technology, and the ethics of computing. This course is designed for Computer Science majors, and will emphasize principles and underlying computer technology concepts. Prerequisite: none. SE

2105 OL1 ARR ARR BETZING P

Online fee is \$10.

CS 195 Internship: Work Based Learning 1- 4

Students will participate in a supervised internship with regional computer and information technology employers. Students are expected to develop a computer science career-based portfolio and employment resume. Prerequisites: Enrollment in Computer Science program, instructor permission, and concurrent enrollment in CS 197.

2171 01 ARR ARR SHANNON M

CS 197 Internship: Work Based Learning Seminar 1

Students participating in internships share feedback and discussion to integrate work-based learning experiences with classroom instruction. Students are expected to submit weekly work journals and develop a computer science career-based portfolio and employment resume. Prerequisites: Concurrent enrollment in CS 195.

2172 01 ARR ARR SHANNON M

English

ENGL 065 Spelling Improvement 2

Lab Fee: \$6.80

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 SHUTTLE' TH K

2504 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLE' TH K

ENGL 087 Reading Improvement 3

Lab Fee: \$10.20

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 SHUTTLE' TH K

2510 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLE' TH K

ENGL 093 Basic Writing 3

Lab Fee: \$10.20

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 SHUTTLE' TH K

2514 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLE' TH K

ENGL 095 Writing Improvement 3

Lab Fee: \$10.20

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 SHUTTLE' TH K

2520 02 MTWTh 01:00PM-02:05PM 1817 SHUTTLE' TH K

ENGL 098 Basic English Skills 5

This course covers techniques for improving basic writing skills at the sentence, paragraph and essay level. Additional work will be done on improving reading

comprehension, enriching vocabulary, and refining computer skills. Prerequisite: placement exam.

2528 21 MTW 05:00PM-07:35PM 1855A BROWN A

Permission required.

ENGL 099 English Skills (Pre-101) 5

Lab Fee: \$17.00

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 1855B ANDERSON J

2533 21 MTW 05:00PM-07:35PM 1856 STAFF

Permission required.

ENGL&101 English Composition I 5

Lab Fee: \$17.00

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 1856 HAMMOND D

2550 OL1 ARR ARR RAMM J

Online fee is \$10.

ENGL&102 Composition II 5

Lab Fee: \$17.00

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

Environmental Science

ENVS&100 Survey of Env Science 5

Lab Fee: \$10.00

An introduction to the fundamental principles of environmental science. Topics include environmental policy, environmental systems, population and community ecology, biomes, human population growth, soil, food and agriculture, biodiversity and conservation, land use and resource management, air and water quality issues, global climate, renewable and nonrenewable energy sources, waste management, and sustainability. NS

Section OL1: Students submit assignments, participate in discussion forums, and view recorded lectures online; exams are taken at arranged times on campus. Online fee is \$10.

First Aid

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

Lab Fee: \$8.60

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: 07/12/13 to 07/26/13

Books are required. Class meets July 12, 19, 26.

French

FRCH&121 French I 5

Introduction to the language and culture of the French-speaking world. Skill development in listening, speaking, reading and writing. HU

2700 01 MTWTh 08:00AM-10:00AM 1909 MCCARTHY J

FRCH&122 French II 5

Introduction to the language and culture of the French-speaking world. Skill development in listening, speaking, reading and writing. Prerequisite: 121 or departmental placement for 122. HU

2705 01 MTWTh 08:00AM-10:00AM 1909 MCCARTHY J

FRCH&123 French III 5

Introduction to the language and culture of the French-speaking world. Skill development in listening, speaking, reading and writing. Prerequisite: 122 or departmental placement for 123. HU

2710 01 MTWTh 08:00AM-10:00AM 1909 MCCARTHY J

Health Education

HED 123 The Human Body and Disease III 5

Lab Fee: \$10.00

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 STAFF

Online fee is \$10.

HED 151 Medical Terminology II 3

Lab Fee: \$10.00

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&118 Western Civilization III 5

Lab Fee: \$10.00

This course stresses the international transition from European domination to the rise of superpowers and third world nations. World Wars, depression, Democracy, Nazism, Communism, and the European Community are major themes studied (1800-1990).

2912 OL1 ARR ARR WAITES W

All course work for this class will be completed online through Canvas. 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.

HIST&137 US History 2 5

Lab Fee: \$10.00

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 1960s, disillusioned '70s and the Reagan Revolution. More recent events are examined as ongoing and current events. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. Prior completion of HIST& 136: United States History I, is not required in order to take this class. SS

2935 OL1 ARR ARR RILEY C

Section OL1: All course work for this class will be completed online through Canvas. 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. Fee is \$10

Math

MATH 094 Prealgebra 5

Lab Fee: \$17.00

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: BCC math placement exam or successful completion of MPC/MATH 080 and MPC/MATH 080 final

3248 CL1 DAILY 08:00AM-09:40AM 1215 HELVY M

3250 CL2 DAILY 10:00AM-11:40AM 1215 ABED S

MATH 095 Elementary Algebra 5

Lab Fee: \$10.00

This course includes study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations, factoring algebraic expressions, working with rational expressions and the graphing of linear equations. Prerequisite(s): BCC placement exam or score of 70% or better on each module on the MPC/MATH 090 competency exam.

3260 OL1 ARR ARR WALLACE T

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

MATH 096 Elementary Algebra I 5

Lab Fee: \$17.00

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: BCC 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 1215 HELVY M

3270 CL2 DAILY 10:00AM-11:40AM 1215 ABED S

MATH 097 Elementary Algebra II 5

Lab Fee: \$17.00

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: BCC 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 1215 HELVY M

3280 CL2 DAILY 10:00AM-11:40AM 1215 ABED S

MATH 098 Intermediate Algebra 5

Lab Fee: \$17.00

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: BCC math placement exam or successful completion of at least five units in MATH 097 or Instructor Permission

3288 CL1 DAILY 08:00AM-09:40AM 1215 HELVY M

3290 CL2 DAILY 10:00AM-11:40AM 1215 ABED S

MATH 099 Intermediate Algebra 5

Lab Fee: \$10.00

This course includes the study of systems of equations and applications, functions, radicals and rational exponents, radical equations, complex numbers, quadratic equations and their applications, and an introduction to exponential and logarithmic functions. Prerequisite: BBCC exam or score of 65% or better on each module of MPC 095 competency exam or a P in MATH 095.

3296 OL1 ARR ARR WALLACE T

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

MATH&107 Math in Society 5

Lab Fee: \$17.00

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 MATH 099.MS/SQR

3301 01 DAILY 08:00AM-09:40AM 1202 ABED S

MATH&146 Introduction to Statistics 5

Lab Fee: \$17.00

This course is an introduction to descriptive statistics, probability and its applications, statistical inference and hypothesis testing, predictive statistics and linear regression. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of MATH 098 OR 099. MS/SQR

3332 01 MTWTh 10:00AM-12:00PM 1219 LANE 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 MATH 080 or BBCC Math Assessment placement into Math 090 or above.

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

3417 OL1 ARR ARR STAFF

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: \$209.41

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. (Placement in English 99 or above)

3800 01 TWThF ARR 1721 ERWIN K

The NAC lab fee includes: malpractice and liability insurance, drug testing, CPR certification, and registration for one state NAC test. Class meets Monday-Friday the first week of the quarter. Email 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 July 25 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 09:00AM-03:50PM 1718 BROOKS J

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 CHRISTIAN K
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 1910 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&120 Symbolic Logic 5

Lab Fee: \$10.00

This course is a study of the methods and principles used to distinguish correct from incorrect reasoning. Students are expected to prove their understanding of formal deductive symbolic logic by completing logic proofs in categorical, propositional, and predicate logic. HU/SQR Prerequisites: Math 098 or above

4214 OL1 ARR ARR KNEPP D

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 1250 HALEY G

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 GRAHAM M

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

Lab Fee: \$10.00

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, and a survey of the philosophic foundations for the American governmental system. SS

4502 OL1 ARR ARR RILEY C

All course work for this class will be completed online through Canvas. 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

Lab Fee: \$10.00

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 095/96 or higher and Placement in ENGL 099 or higher. SS

4554 OL1 ARR ARR LEONARD R

All course work for this class will be completed online through Canvas. 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

Lab Fee: \$10.00

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

All course work for this class will be completed online through Canvas. 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 201 World Religions 5

Lab Fee: \$10.00

A survey of the origin, development and present beliefs and practices of the world's major religions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. HU

4606 OL1 ARR ARR KNEPP D

Online fee is \$10.

Sociology

SOC& 101 Intro to Sociology 5

Lab Fee: \$10.00

Sociology is the scientific study of human groups and their social systems. Sociologists study how groups are organized and structured, their character and interaction, how groups change, and their impact on individuals. The course focuses on applying the "sociological imagination" which in turn helps students understand and appreciate different societies and cultures both contemporary and historical. Prerequisites: There are no prerequisites. Strongly recommended placement in MATH 095 or higher and placement in English 099 or higher. SS

4644 OL1 ARR ARR HOLLIWAY D

All course work for this class will be completed online through Canvas. 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.

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3400 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

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 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

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 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S