

Spring 2013 Class Schedule

Accounting

ACCT 105 Introduction to Accounting 5

This course provides the student with an introductory level understanding of the fundamentals of bookkeeping and accounting. The student is provided the procedures for completing the accounting cycle for both a service entity and a merchandising entity within a single proprietorship. Tech Prep credit available.

1001 21 MW 05:30PM-07:50PM 1610 AUVIL J

ACCT&202 Prin of Accounting II 5

An introduction to the accounting for fixed assets and depreciation, intangible assets, current liabilities, corporations, partnerships, long-term liabilities, statement of cash flows, and financial statement analysis. This course is the second in a three-course series designed for all accounting and business majors. Prerequisite: ACCT& 201. SE

1016 01 MTWTh 09:15AM-10:20AM 1610 MICHIE L

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

1020 01 MTWTh 10:30AM-11:35AM 1610 MICHIE L

ACCT 233 Introduction to Payroll Taxes 2

This course offers an introduction to the proper calculation, payment, and reporting of payroll taxes incurred by businesses. The preparation of required tax returns and the various reporting periods to government agencies will also be discussed. This course is designed for the student with little or no prior experience in payroll taxes. Prerequisite: To enhance the learning experience, it is recommended that the student complete ACCT& 201 or have prior experience in business or accounting.

1036 01 MW 02:15PM-03:20PM 1602 MICHIE L

ACCT 260 Computer Accounting 3

Lab Fee: \$8.60

A presentation of Windows based accounting techniques used in a service business and a merchandising business. Also presented is the proper use of a voucher system, departmental accounting, partnership accounting, corporate accounting, financial statement analysis, fixed assets, inventory, payroll, and accounting system setup. Prerequisite: ACCT& 202.

1050 01 TTh 02:15PM-04:15PM 1602 MICHIE L

ACCT 261 Intro to Peachtree Accounting 1

Lab Fee: \$8.60

This course offers an introduction to Peachtree Accounting, one of the accounting software packages for small businesses. Basic functions and capabilities of the software will be reviewed in a hands-on environment. This course is designed for the student with little or no prior experience with Peachtree Accounting. Prerequisite: ACCT& 201 or prior experience in business or accounting.

1055 01 MW 11:45AM-12:40PM 1602 WILKS P

Start & end date: 04/15/13 to 06/14/13

ACCT 262 Introduction to Quickbooks 1

Lab Fee: \$8.60

This course offers an introduction to QuickBooks, the nation's leading accounting software package for small businesses. Basic functions and capabilities of the software will be reviewed in a hands-on environment. This course is designed for the student with little or no prior experience with QuickBooks. Prerequisite: ACCT& 201 or prior experience in business or accounting recommended.

1060 01 MW 11:45AM-12:40PM 1602 WILKS P

Start & end date: 04/15/13 to 06/14/13

Agriculture

AGR 271 Agriculture Sales and Marketing 5

Lab Fee: \$10.00

Study of receiving, packing line/processing operation, grades, standards and quality control. Includes how these functions influence post-harvest production and marketing/sales decisions. Study and evaluation of market development potential for direct marketing and standard marketing channels. Study of the sales function and potential for value added agriculture products.

1142 OL1 ARR ARR WILLIAMS A

AGR 295 Work-Based Learning 1- 6

This course provides students with a valuable and practical work experience in Agriculture. Learned agriculture topics from Agriculture curriculum will be applied to and enhance the work experience. This is a paid or volunteer experience that is a supervised position both by the employer and the Agriculture instructor. May be repeated up to twelve (12) credits. Prerequisite: Ag advisor permission; Co-requisite: AGR 297

1150 01 ARR ARR RASMUSSEN C

AGR 297 Work-Based Learning Seminar 1

This is a seminar course that covers topics related to Agriculture and its application to professional employment. Group discussion will be emphasized including current issues and trends. May be repeated up to six (6) credits. Prerequisite: AGR advisor permission.

1153 01 ARR ARR RASMUSSEN C

Art

ART 090 Pottery 0

Community Ed Fee: \$65.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing.

1200 21 MW 06:30PM-08:30PM 1908 JOHANSEN B

1201 22 MW 06:30PM-08:30PM 1908 JOHANSEN B

ART 103 Design III 5

Lab Fee: \$8.00

An introduction to the study of three dimensional design explored through various media in sculpture. HP

1222 01 MTWTh 09:00AM-10:20AM 1911 PALKOVIC F

ART 106 Drawing III 5

Lab Fee: \$8.00

An introduction to drawing from the figure using a live model. HP

1235 01 MW 01:00PM-03:50PM 1906 PALKOVIC R

ART 121 Ceramics I 2- 5

Lab Fee: \$28.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission. HP

1238 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 122 Ceramics II 2- 5

Lab Fee: \$28.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission.

Prerequisite: ART 121 HP

1243 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 123 Ceramics III 2- 5

Lab Fee: \$28.00

Variable Credit Lab Fees are calculated at the highest rate

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission.

Prerequisite: ART 122 HP

1248 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 217 Western Art:Renaissance to Mid 19th Century 5

A survey of the history of western art and architecture from Renaissance times to the mid nineteenth century. HU

1263 01 MTWTh 10:30AM-11:35AM 1911 PALKOVIC R

ART 221 Watercolor Painting I 1- 5

Lab Fee: \$8.00

The study of water color painting from still life and nature. HP

1273 01 TTh 01:00PM-03:50PM 1911 HAGEL S

ART 222 Watercolor Painting II 1- 5

Lab Fee: \$8.00

The study of water color painting from still life and nature. Prerequisite: ART 221.

1277 01 TTh 01:00PM-03:50PM 1911 HAGEL S

ART 223 Watercolor Painting III 1- 5

Lab Fee: \$8.00

The study of water color painting from still life and nature. Prerequisite: ART 222

1281 01 TTh 01:00PM-03:50PM 1911 HAGEL S

ART 230 Painting/Drawing Workshop 5

Lab Fee: \$8.00

A workshop class designed to allow experimentation with 2D media such as pencil, charcoal, pastels, watercolor, acrylic paint. Prerequisite: None but studio class such as drawing or painting recommended. HP

1285 01 MTW 10:30AM-12:30PM 1906 HAGEL S

ART 231 Oil Painting I 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. HP

1289 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

ART 232 Oil Painting II 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. Prerequisite: ART 231 HP

1294 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

ART 233 Oil Painting III 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. Prerequisite: ART 232 HP

1299 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

Astronomy

ASTR&101 Intro to Astronomy 5

Lab Fee: \$17.20

A survey course intended for the non-science major. Topics studied will include most of the following: historical astronomy, electromagnetic radiation, telescopes, the Earth-Moon system, the solar system, the sun, stars, stellar evolution, galaxies, quasars and cosmology. The laboratory portion of the course may include optics, visual astronomical observing techniques, use of the telescope, spectroscopy, and distance measurement. Credit not granted for both ASTR& 100 and ASTR& 101. Prerequisite: MATH 095 or placement test. LS

1322 21 MW 06:00PM-09:00PM 1217 HAMM J

Automotive Technology

AUT 105 Automotive Personal Computer Applications 2

Lab Fee: \$6.80

An introductory course covering the operation of personal computers using automotive applications. Hardware components, Windows Operating System, keyboarding and word processing will be covered emphasizing hands-on experience. Prerequisite: Concurrent enrollment in automotive program classes.

1340 01 MTW 08:00AM-08:50AM 1802 O'KONEK M

AUT 115 Automotive Shop Safety and Environmental Issues 1

Lab Fee: \$5.25

This course covers automotive shop safety rules, procedures, and shop equipment operation and is required before a student is allowed to work in the automotive laboratory. The proper handling, storage, and disposal of automotive related hazardous waste is also covered. Offered as regularly scheduled course during the fall quarter and offered by arrangement for students who enroll in the automotive program any other quarter.

1348 01 ARR ARR 3308 WYNDER D

AUT 124 Brake System Service 9

Lab Fee: \$47.25

This course covers the theory, operation, diagnosis and repair of both conventional and anti-lock brake systems. Topics covered are hydraulic operating systems, drum brake systems, disc brake systems, emergency/parking brake systems and brake machining operations. This course is designed to prepare the student for the ASE/NATEF Brakes Certification test. Prerequisite: AUT 115

1355 01 MTWTh 01:00PM-04:00PM 3308 WYNDER D

AUT 125 Suspension, Steering and Alignment 9

Lab Fee: \$47.25

This course covers the theory, operation and repair of various automotive suspension and steering systems used in today's vehicles. Topics covered include steering types, suspension types, shock/strut service, tires/wheels and suspension and steering component replacement. Students will use modern computerized alignment equipment to perform two wheel, four wheel and thrust type vehicle alignments. This course is designed to prepare the student for the ASE/NATEF Suspension and Steering Certification test. Prerequisite: AUT 115

1358 01 MTWTh 09:00AM-12:00PM 3308 WYNDER D

AUT 190 Projects Laboratory 2

Lab Fee: \$10.50

This course is for full-time automotive students who need extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks not completed in the day classes. (May be repeated for credit up to six credits for each course; graded on pass/fail basis). Prerequisite: Concurrent enrollment in first or second year automotive program classes.

1370 21 M 05:30PM-09:15PM 3307 WYNDER D

AUT 211 Automobile Convenience Systems 2

Lab Fee: \$10.50

This course covers the operation and repair of automotive convenience systems. Classroom and laboratory lessons include power windows, power seats, air bag system testing and servicing, as well as minor door, hood, window, and trunk adjustments. The procedure to perform a proper Pre-delivery Inspection (PDI) will be covered and Washington State auto repair laws and how they effect the repair technician will be discussed. Prerequisite: AUT 121

1375 01 MTWTh 09:00AM-12:00PM 4103 O'KONEK M

Start & end date: 04/01/13 to 04/16/13

AUT 223 Automotive Servicing II 6

Lab Fee: \$31.50

Students, at the direction of the instructor, work on customer vehicles applying skills learned in previous automotive classes. Students will be required to complete ASE/NATEF tasks not completed in other courses. Customer relations, repair order preparation, scheduling, estimating, utilization of shop space and equipment, and hazardous waste management are covered to provide students with an understanding of repair shop operations. Prerequisite: instructor permission or completion of the first year automotive classes.

1390 01 MTWTh 01:00PM-04:00PM 4103 O'KONEK M

AUT 231 Automotive Heating and Air Conditioning 6

Lab Fee: \$31.50

This course covers the diagnosing, servicing, and repair of modern vehicle heating and air conditioning systems. Classroom and laboratory lessons provide training and experience using modern refrigeration servicing and recycling equipment necessary to meet environmental regulations. CFC-12 and HFC-134A systems and equipment are utilized and retrofitting following Environmental Protection Agency guidelines is discussed. This course is designed to prepare the student for the ASE/NATEF Heating and Air Conditioning test. Prerequisite: AUT 115; AUT 121 or instructor permission.

1394 01 MTWTh 09:00AM-12:00PM 4103 O'KONEK M

Start & end date: 04/17/13 to 06/14/13

AUT 290 Projects Laboratory 2

Lab Fee: \$10.50

This course is for full-time automotive students who need extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks not completed in the day classes. (May be repeated for credit up to six credits for each course; graded on pass/fail basis). Prerequisite: Concurrent enrollment in first or second year automotive program classes.

1398 21 T 05:30PM-09:15PM 3307 O'KONEK M

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.

1401 01 ARR ARR 3024 SWEDBURG J

AVF 114 Theory of Flight 5

This course covers basic aerodynamic theory of flight, aircraft instruments, performance, stability, control, airframe stress, structural limits, constant speed propellers, and turbocharging. Prerequisite: AVF 112

1415 21 MW 04:00PM-06:30PM 3015 GILLESPIE J

1417 22 TTh 04:00PM-06:30PM 3015 SWEDBURG JM

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 BLY A

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 BLY A

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 BLY A

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.

1426 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

1430 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

1434 01 MTWTh 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

1437 01 MTWTh ARR 3001 SWEDBURG J

AVF 223 Instrument Ground School 5

Preparation for FAA instrument knowledge examination, includes: FAR's that apply to IFR; appropriate sections of AIM; air traffic control system and procedures; IFR navigation systems and instruments; use of en route and instrument approach charts, aircraft operations under IFR; procurement and use of aviation weather reports and forecasts, recognition of critical weather situations and wind shear avoidance, ADM and judgment, and CRM. Prerequisite: AVF 113 and AVF 114.

1454 21 MW 04:00PM-06:30PM 3016 CRANE G

AVF 225 Effective Communications in Flight Instruction 5

This course covers the required areas of instructor knowledge, and is designed to aid the student in passing the appropriate FAA knowledge tests. It includes the learning process and emphasizes elements of effective communication. Methods of teaching and communicating are studied and practiced, as well as how to evaluate and critique through written and oral processes. Includes practice in classroom, one-to-one, and team teaching. Prerequisite: AVF 221, AVF 223, & 252 or Chief Pilot approval.

1458 21 TTh 04:00PM-06:30PM 3016 CRANE G

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 BLY A

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 BLY A

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

1470 01 MTWTh 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 MTWTh 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

1478 01 MTWTh 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

1482 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

1488 01 MTWTh 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.

1492 01 MTWTh 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 MTWTh 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 MTWTh 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 MTWTh 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.

1508 01 MTWTh 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 MTWTh 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 MTWTh ARR 3100 SWEDBURG J

Aviation Maintenance

AMT 150 AMT General 4-16

Lab Fee: \$176.00

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 MTWTh ARR 3200 STAFF

AMT 151 Airframe Mechanic I 4-22

Lab Fee: \$242.00

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.

1565 01 MTWTh ARR 3200 BORG C

AMT 152 Airframe Mechanic II 4-21

Lab Fee: \$231.00

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.

1570 01 MTWTh ARR 3200 BORG C

AMT 153 Airframe Mechanic III 4-24

Lab Fee: \$264.00

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.

1575 01 MTWTh ARR 3200 BORG C

AMT 251 Powerplant Mechanics I 4-16

Lab Fee: \$176.00

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

1585 01 MTWTh 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

1590 01 MTWTh ARR 3200 MOORE D

AMT 253 Powerplant Mechanics III 4-16

Lab Fee: \$176.00

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

1595 01 MTWTh ARR 3200 MOORE D

AMT 254 Powerplant Mechanic IV 4-16

Lab Fee: \$176.00

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 MTWTh 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 MWTh 11:45AM-12:50PM 1250 RAZO E

Lab T 11:45AM-01:45PM 1211 RAZO C

1602 02H ARR ARR DUVALL K

Lab M 04:30PM-06:30PM 1211 DUVALL K

Section 02H incorporates both traditional class time and a distance education component. Students attend mandatory weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

BIOL&170 Human Biology 5

This course offers a broad overview of the human body for the non-science major. Topics of study include unifying biological principles such as basic cell chemistry,

cell biology, and metabolism, as well as the biology of selected human systems. Issues related to human biology will also be examined. This course does not include a lab. NS

1607 01 MTWTh 09:15AM-10:20AM 1910 HALEY G

BIOL&211 Majors Cellular 5

Lab Fee: \$17.20

An introduction to basic cell chemistry, structure, communication, transport, energetics, metabolism, division, genetics, molecular genetics, and evolution. This course is intended for students pursuing careers in the allied health fields and satisfies the biology prerequisite for A&P 1 (BIOL& 241) and Microbiology (BIOL& 260). Math/Science distribution requirement may not include more than 5 credits from BIOL& 211 and BIOL& 222, although graduation credit can be awarded for both. Related investigations take place in a two-hour lab period each week. Prerequisite(s): A minimum grade of 2.0 in CHEM& 121 (or recent high school chemistry with a B or better, or instructor permission) required. High school biology highly recommended. Note: A minimum grade of 2.0 in this class is required for entry into BIOL& 241 and BIOL& 260.

1610 01 MTWTh 10:40AM-11:30AM 1250 DUVALL K

Lab T 02:15PM-04:15PM 1211 DUVALL K

BIOL&242 Human A & P 2 5

Lab Fee: \$17.20

The second quarter of a two-quarter sequence. Includes the structure, function and pathology of the cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Emphasis will be given to the homeostatic relationships between systems. Four hours of lab per week will be devoted to human autopsy slides, required hands-on experience with cat and organ dissection and experimental procedures in cardiovascular function as well as computer analysis of renal function. Lab is required for credit. Prerequisite(s): A minimum grade of 2.0 in BIOL&241 or equivalent. LS

1635 01 MW 01:00PM-02:15PM 1250 JACOBS B

Lab MW 02:30PM-04:30PM 1209 JACOBS B

1636 02H ARR ARR JACOBS B

Lab MW 02:30PM-04:30PM 1209 JACOBS B

Section 02H incorporates both traditional class time and a distance education component. Students attend weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

1637 03 MW 01:00PM-02:15PM 1250 JACOBS B

Lab TTh 01:00PM-03:00PM 1209 JACOBS B

1638 04H ARR ARR JACOBS B

Lab TTh 01:00PM-03:00PM 1209 JACOBS B

Section 04H incorporates both traditional class time and a distance education component. Students attend weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

BIOL&260 Microbiology 5

Lab Fee: \$17.20

A survey of microbes and their activities. Emphasis will be given to the areas of bacteriology, immunology and virology. Four hours of lab per week are required for credit. Labs will deal with the culture and identification of organisms (including throat, stool, and viral cultures), as well as genetic transformation and ELISA testing for HIV. Prerequisite(s): Students may qualify for BIOL& 260 in any one of the following ways: 1) a grade of 2.0 or better in BIOL& 211 or BIOL& 222 and in CHEM&121 or above, or a transcript from another college for those classes 2) a year of high school Anatomy & Physiology and Chemistry within the last 2 years with a grade of B or better 3) a score of 3 or better in Advanced Placement Biology and a year of high school Chemistry within the last 2 years with a B or better or instructor permission. LS

1642 01 MW 09:15AM-10:30AM 1250 JACOBS B

Lab TTh 09:15AM-11:15AM 1209 JACOBS B

1643 02H ARR ARR JACOBS B

Lab TTh 09:15AM-11:15AM 1209 JACOBS B

Section 02H incorporates both traditional class time and a distance education component. Students attend weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

Botany

BOT 140 Field Botany 5

Field botany involves the identification and classification of local plants of the Columbia Basin area. Different biomes are studied with emphasis on the steppe and shrub-steppe vegetation common to this area. Students participate in seven field trips to collect native plants. Following field trips, students identify, press, dry, and mount collected plants in order to assemble a required plant collection. During laboratory sessions students learn to use a taxonomic key to identify and classify collected plants. NOTE: This is a field course with required field trips. Field trips often involve hiking over uneven terrain; students climb up slopes, both on and off trails to collect plant specimens. Any questions concerning these field trips may be directed to the instructor.

1676 01 MW 12:00PM-03:30PM 1211 DUVALL K

Business

BUS& 101 Intro to Business 5

An introductory analysis of the business world including aspects of finance, industrial stocks and bonds, commodities and foreign exchange, unions and the labor movement, managerial control, decision making and personnel relations. SE

1702 01 MTWTh 10:30AM-11:35AM 1611 WILKS P

BUS 102 Business Mathematics 5

Applications of quantitative reasoning and logic in business through a study of banking, discounts, commissions, markup, promissory notes, interest, taxes, insurance, payroll, depreciation and financial statements. Prerequisite: Successful completion of MATH 090 or BCC math placement score into MATH 095 or above.

1705 01 MTWTh 09:15AM-10:20AM 1611 WILKS P

BUS 120 Human Relations on the Job 4

Practical application oriented study of interpersonal skills and attitudes necessary to work with others. Topics included are: maintaining professionalism, adapting/coping with change and stress, work ethics, motivation, conflict resolution, team work and customer relations. Prerequisite: Placement in ENGL 099 or above.

1720 01 MTWTh 08:00AM-08:50AM 1611 WILKS P

BUS 122 Business Communications 5

This course promotes the development of business communication skills which include reading, writing, listening, speaking, and interacting within groups. Special emphasis is given to the creation of day-to-day business documents, such as letters, memos, reports and emails. Prerequisite: BUS 121 or ENGL& 101

1736 01 MW 01:00PM-03:10PM 1609 BERRY-GUERIN

BUS 170 Consumer Finance 5

This course offers an introduction to investigating, buying, and financing techniques for vehicles, consumer goods, insurance, and homes; consumer rights, responsibilities, and obligations; minimizing federal income tax; borrowing, saving, and investing.

1760 01 MTWTh 01:00PM-02:05PM 1615 REDFORD J

BUS& 201 Business Law 5

This course provides an introduction to the nature and sources of law and overview of law typically relating to the operation of businesses from the point of view of owners, managers, employees, customers, and suppliers with an emphasis on contracts and sales. SE

1770 01 MTWTh 08:00AM-09:05AM 1609 MICHIE L

BUS 215 Customer Service 3

This course will provide the student with strategies and skills to effectively meet the needs of customers. The student will be introduced to internal and external customers, to customer satisfaction, to customer retention, and to customer service trends.

1780 01 TTh 01:00PM-02:15PM 1609 WILLINGHAM T

Business Information Management

BIM 101 Basic Keyboarding 1- 2

Lab Fee: \$17.20

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: 04/01/13 to 05/16/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation & evaluation: April 1, 2, 3, or 4, and April 15, 16, 17, or 18, and May 13, 14, 15, or 16. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

1796 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation & evaluation: April 22, 23, 24, or 25, and May 13, 14, 15, or 16 and June 3, 4, 5, or 6. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

BIM 102 Document Formatting 1- 4

Lab Fee: \$34.40

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

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

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

Start & end date: 04/01/13 to 05/16/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

1809 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 22, 23, 24, or 25. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

BIM 106 Advanced Keyboarding 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course gives emphasis to improving keyboarding speed and accuracy.
Prerequisite(s): BIM 104

1814 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/01/13 to 05/16/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

1815 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 22, 23, 24, or 25. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

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

Start & end date: 04/01/13 to 05/16/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

1823 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 22, 23, 24, or 25. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

BIM 111 Introduction to Computers in the Medical Office 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course covers the general flow of information in a medical office and the role that computers play. Students will learn how to use medical office software for activities such as entering data, billing, filing claims, scheduling, and printing reports. Prerequisite: basic computer skills.

1825 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

BIM 112 Proof & Edit 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course gives students the opportunity to learn different proofreading techniques and then emphasizes practice using those techniques. Prerequisite: BUS 121, BIM 102.

1830 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

BIM 115 Medical Office Accounts Receivable II 2

Lab Fee: \$17.20

This is a basic class in billing medical insurance in hospital settings. Coding, specific form requirements (UB 92), account aging, posting payments and adjustments to patient accounts, and government medical coverage plans will be covered. Issues related to overall medical business offices will also be part of the class. Prerequisite: HED 150 & 151, basic computer class or instructor permission.

1840 21 T 06:00PM-08:00PM 1612 BOYCE L

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further

instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00p.m.

1852 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

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

The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m.- 12:00 p.m.

BIM 180 Introduction to Microsoft Office 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is an introduction to the basic functions of Microsoft Office 2010. This course consists of five modules - Word, Excel, Access, PowerPoint, and Integration. This course is intended for Business Information Management and Accounting students. Prerequisite: BIM 102 or OFF 102 and successful completion of MATH 090 or BBCC placement exam into MATH 095 or higher.

1870 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00p.m.

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00p.m.

1876 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1881 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1886 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1891 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

BIM 190 Spreadsheets I 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is an in-depth introduction to Microsoft Excel 2010. The focus is to learn functions of Excel, to apply this knowledge to business situations, and to begin preparing students for the Microsoft Office Specialist exams. Prerequisite: Successful completion of BUS 102-Business Mathematics, BBCC placement exam into MATH 099 or higher or successful completion of MATH 095.

1900 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2,

3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1902 OL1 ARR ARR BERRY-GUERIN

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. Log into Canvas no later than the first day of class for further information. Online fee is \$10.

BIM 194 Presentations 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This is an in-depth Microsoft PowerPoint 2010 course. The focus of this course is to learn presentation functions, to apply this material to business situations, and to prepare students for the Microsoft Application Specialist exam.

1905 01 ARR ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1907 OL1 ARR ARR BERRY-GUERIN

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. Log into Canvas no later than the first day of class for further information. Online fee is \$10.

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

Start & end date: 04/01/13 to 05/16/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1921 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/22/13 to 06/11/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

BIM 220 Desktop Publishing 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is designed to create and produce documents such as announcements, newsletters, brochures, and fliers using Microsoft Publisher. Prerequisite: BIM 180 or instructor approval. Prerequisite: OFF 180 or BIM 180

1925 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

1926 OL1 ARR ARR BERRY-GUERIN

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. Log into Canvas no later than the first day of class for further information. Online fee is \$10.

BIM 262 Professional Preparation 3

Lab Fee: \$25.80

This course covers job preparation components in which emphasis is given to job search and interview techniques. Prerequisite: BIM 261

1935 01 TTh 02:15PM-03:30PM 1612 BERRY-GUERIN

BIM 273 Word Processing II 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This is an in-depth Microsoft Word 2010 course. Students will learn the advanced functions and how to apply this material to business situations. This course will also help prepare students for the MCAS exam. Prerequisite: BIM 173 or instructor approval.

1938 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

BIM 280 Advanced Microsoft Office 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is a continuation of BIM180 and introduces the advanced features and integration capabilities of Microsoft Office 2010. This course consists of five modules--Word, Excel, Access, PowerPoint, and completion of an Integrated Project. Prerequisite: OFF 180 or BIM 180 and successful completion of BUS 102-Business Mathematics, BBCC placement exam into MATH 099 or higher, or successful completion of MATH 095

1942 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation: April 1, 2, 3, or 4. The BIM classroom hours are Monday-Thursday 8:30-11:30 a.m. and 1:00-4:30 p.m., Tuesday & Wednesday 5:00-7:00 p.m. & Friday 10:00 a.m. - 12:00 p.m.

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

1966 01 MTWTh 09:15AM-10:05AM 1218 PETERSON J

Lab M 01:00PM-03:00PM 1216 PETERSON J

1968 02 MTWTh 01:00PM-01:50PM 1218 CHRISTENSEN

Lab Th 02:00PM-04:00PM 1216 CHRISTENSEN

CHEM&131 Intro to Organic/Biochem 5

Lab Fee: \$17.20

This course is designed for Allied Health transfer students and for students wanting an introductory organic chemistry course in preparation for a complete organic chemistry sequence at a baccalaureate institution. Topics include an introduction to alkanes, alkenes and alkynes, an exploration of common functional groups, and organic nomenclature. The course also explores the relationship of organic compounds such as carbohydrates, lipids, proteins, and enzymes with the human body. CHEM& 131 includes 25-30 hours of laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions. Prerequisite: A grade of 2.0 or above in CHEM& 121 or instructor permission. LS

1975 01 MTWTh 08:00AM-08:50AM 1218 PETERSON J

Lab T 02:15PM-05:15PM 1216 PETERSON J

CHEM&163 General Chem w/Lab III 5

Lab Fee: \$17.20

The final installment in a three-quarter series examining the principles of General Chemistry with the primary emphasis on inorganic chemistry. Topics include acid-base chemistry, chemical equilibria, solubility, nuclear reactions, and electrochemistry. An introduction to organic chemistry and an introduction to inorganic qualitative analysis are included. A portion of the laboratory component is devoted to inorganic qualitative analysis. Prerequisite: CHEM&162 or instructor permission

1995 01 MTTh 11:45AM-12:50PM 1218 PETERSON J

Lab W 11:45AM-02:45PM 1216 PETERSON J

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.

2016 01 MTW 08:00AM-08:50AM 1855A STAFF

2017 02 MTW 09:15AM-10:05AM 1855A STAFF

2018 03 MTW 10:30AM-11:20AM 1607 STAFF

2020 OL1 ARR ARR DELEON J

Online fee is \$10.

CSS 102 Focus on Success 3

In this class, students will explore many of the non-academic factors that impact success in college. Increased awareness and practical application will be the logical outgrowth of work in the following areas: career and college course choices; relationships; diversity; values; stress management; substance abuse; sexual decisions; and diet and exercise. In addition, students will develop basic computer literacy as they explore the non-academic factors through a basic understanding of personal computers, word processing operations, email, and use of the internet.

2056 01 MTW 01:00PM-01:50PM 1856 HAMMOND D

2058 OL1 ARR ARR HAMMOND D

Online fee is \$10.

CSS 104 Introduction to Computer Literacy 3

Lab Fee: \$10.00

This course will provide the student with an introduction to computer operations, file management, e-mail, applications, the Internet, and BCC 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.

2062 21H W 06:00PM-07:00PM 1801 DELEON J

Orientation April 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 two additional hours of instruction online. Online fee is \$10.

Commercial Driver's License

CDL 090 CDL Skill Improvement 1

Lab Fee: \$121.53

Extra driving time and instruction to enhance student's driving 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.

2065 01 ARR 07:30AM-04:30PM 1534 MILLER R

2066 02 ARR 07:30AM-04:30PM 1534 GARZA G

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.

2070 01 DAILY 07:30AM-04:00PM 1534 MILLER/GARZA

Start & end date: 04/01/13 to 05/10/13

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

Communications

CMST&102 Intro to Mass Media 5

Provides an overview and survey of mass communications media, including history, organization, operation and control, theory, analysis, social functions, and new technology. Emphasis is on study of newspapers, radio, television, magazines, books, films, recording, and emerging mass media and their function and role in today's world. HU

2086 01 MTWTh 10:30AM-11:35AM 1609 STAFF

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

2090 01 MTWTh 08:00AM-09:05AM 1605 STAFF

2092 02 MTWTh 09:15AM-10:20AM 1609 JACKSON K

2096 03 MTWTh 09:15AM-10:20AM 2032 POTH M

2097 04 MTWTh 10:30AM-11:35AM 2032 POTH M

2098 05 MTWTh 11:45AM-12:50PM 2031 POTH MITCH

2099 21 TTh 05:30PM-07:50PM 2032 POTH MITCH

Computer Science

CS 101 Intro to Computer Science 3

Lab Fee: \$31.30

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 21H Th 05:00PM-06:50PM 1508 BETZING P

Mandatory orientation 4/4/13, in room 1511 at 5:00 p.m. Section 21H is a hybrid class that incorporates traditional class time & a distance education component. Students must have access to a reliable internet connection. Online fee is \$10.

CS 104 Intro to Computer Hardware 3

Lab Fee: \$21.30

This course covers basic concepts of computing hardware and addresses the impact of hardware design on applications and systems software. Students will learn how computers work and be able to replace parts and upgrade components. Students completing CS 104, CS 105, and CS 110 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation.

2110 21H MT 05:00PM-05:50PM 1515 WHITE

CS 105 Intro to Computer Operating Systems 3

Lab Fee: \$21.30

An introduction to operating systems (O/S) design, structure, and mechanisms. Topics include computer software systems performance, memory, kernel structure, input/output (I/O) devices, file system functions, virtualization, and securing the operating system. Students will install and configure major modern operating systems. Students completing CS 104, CS 105, and CS 110 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation.

2114 21H MT 06:00PM-06:50PM 1515 WHITE

CS 110 Networking Fundamentals 3

Lab Fee: \$21.30

An introduction to computer networking fundamentals emphasizing common network hardware and protocols. Students will work in teams to examine and implement Local Area Networks (LAN's) and Wireless Area Networks (WAN's). With Windows Server, students will use a variety of tools to create, design, and propose a functional network. Students completing CS 104, CS 105, and CS 110 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation. Prerequisite: CS 105 or concurrent enrollment.

2120 01 MW 03:30PM-04:50PM 1511 BETZING P

CS 111 Intro to Programming 5

Lab Fee: \$35.50

An introductory programming course using the Visual Basic.NET language to create event-driven programs with a graphical user interface. Topics include variables, control structures, loops, object-oriented programming techniques, forms, debugging,

and an introduction to database programming using ADO.NET and SQL. Prerequisite(s): MATH 095 or MAP 105, or concurrent enrollment, or instructor permission

2124 01 MTWTh 02:15PM-03:20PM 1511 BETZING P

CS 136 Database Programming with SQL 5

Lab Fee: \$35.50

This course examines introductory concepts of relational database theory and applies these skills in client-server database design and management using SQL. Focus is on discussion of relational database theory, object-oriented and physical database design, the concepts of data normalization and data design, implementation of data designs, procedural programming via the SQL environment between backend databases and user environments, and information storage and retrieval. Prerequisites: CS 115 and CS 111 or CS& 141

2145 21 MW 07:00PM-09:30PM 1511 BETZING P

CS 157 Cisco Networking 1:Part II 5

Lab Fee: \$35.50

This is the second of two courses comprising the Cisco ICND1 Part 1 training and continues the concepts learned from CS 156. The course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office enterprise network including configuring a switch, a router, connecting to a WAN, and implementing network security. The purpose of the course is to prepare students to take the Cisco CCNA Exam 640-802 and ICND1 Exam 640-822. Prerequisite: CS 156

2162 21 TTh 05:00PM-08:00PM 1511 GUZMAN NOE

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. Prerequisite(s): Enrollment in Computer Science program and completion of 30 or more program credits with a minimum 2.5 GPA, instructor permission, and concurrent enrollment in CS 197

2171 01 ARR ARR SHANNON M

CS 197 Internship: Work Based Learning Seminar 1

Feedback and discussion to integrate and relate internship/work-based learning and classroom instruction. Work ethic, leadership, safety, ethics, and other computer industry related topics are examined. Co-requisite: Concurrent enrollment in CS 195

2172 01 ARR ARR SHANNON M

CS 262 Programming Dynamic Websites 5

Lab Fee: \$35.50

This course covers dynamic web programming to build interactive, database driven websites. Students gain experience using core open source technologies: PHP MySQL, JavaScript, and CSS, to add power and functionality to Web sites. A major emphasis of the course is using PHP and MySQL to build, manipulate, and create output from a database to a web page. Prerequisites: CS 115 and CS 161

2178 21 MW 04:30PM-06:50PM 1508 STAFF

Class times & days may change depending on instructor availability.

Criminal Justice

CJ 220 Introduction to Corrections 5

Lab Fee: \$10.00

Examination of the historical context, philosophical concepts and major developments that have shaped corrections in the United States. Various sentencing options, correctional approaches and programs, the role of corrections in the larger criminal justice system and contemporary correctional issues are examined. Prerequisites: Completion of CJ&101 or Instructor Permission.

2235 01 MTWTh 11:45AM-12:50PM 1609 LEONARD R

Section 01 incorporates traditional class time and a distance education component. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled class for further instructions.

Early Childhood Education

ECE 214 Math and Science for Young Children 3

This course examines the introduction and exploration of math and science concepts for early learning. The content includes math and science concepts, teaching strategies, procedures and materials.

2298 21 W 05:00PM-08:00PM 1611 FREDERICK K

ECE 250 Language and Literacy Development 3

Lab Fee: \$10.00

This course introduces child care and education professionals to early literacy development that supports and enhances the literacy skills of children, birth to age eight. Topics include language acquisition, children's literature, environment and curriculum, assessment, and program planning. Literacy skills and teaching strategies will be examined and defined at each developmental stage through the four interrelated areas of speaking, listening, writing, and reading.

2310 21H M 06:00PM-08:00PM 1611 KIMBALL T

Students in ECE 250 will be taught using the I-BEST model of instruction. Two faculty will be co-teaching the class. One faculty member focuses on professional technical skills while the other focuses on basic and study skills. Pre and post CASAS testing required. Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

Economics

ECON 200 Introduction to Economics 5

Lab Fee: \$10.00

Overview of the basic principles of the American economy to include supply and demand, money and banking, international trade, GDP, inflation, unemployment, and analysis of the market system. Strongly recommend placement in MATH095 or higher and placement in ENGL 099 or higher. THIS IS NOT A SUBSTITUTE FOR ECON& 201 OR 202. SS

2320 OL1 ARR ARR DONAT G

ECON&201 Micro Economics 5

Study of the micro economy of an individual firm or industry. Output and price of a specific product, numbers of workers, revenue, and expenses of a business are the focus. Strongly recommend placement in MATH095 or higher and placement in ENGL 099 or higher. SS

2321 01 MTWTh 08:00AM-09:05AM 1610 PYLE T

ECON&202 Macro Economics 5

Introduction to the principles of Macro Economics including unemployment, inflation, aggregate demand/supply, Classical and Keynesian Theories, fiscal and monetary policy, money and banking, and current economic problems. Strongly recommend placement in MATH095 or higher and placement in ENGL 099 or higher.

2326 01 MTWTh 11:45AM-12:50PM 1610 SIEVERKROPP

Education

EDUC&115 Child Development 5

Lab Fee: \$10.00

Comprehensive introduction to human development from conception through adolescence. Includes research, knowledge, theories and methods which guide our understanding of physical, cognitive and psychosocial development. SE

2379 21H T 06:00PM-08:00PM 1611 ROYLANCE M

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Check your Big Bend email the week before classes for log-in information. Online fee is \$10.

EDUC 190 Classroom Experience 1- 3

Lab Fee: \$22.50

Students will assist a classroom teacher from 3-9 hours per week. Teacher and time assignments will be arranged individually. A written evaluation of the experience, an observation/conference by the program supervisor/coordinator, and a documented timesheet will be required. Prerequisite: ECE 100, EDUC& 201 or instructor approval. Tech Prep credit available.

2415 01H M 04:00PM-06:00PM 1611 NIGHSWONGER

Permission required. Contact Jenny at 793.2216. Students are required to pass National Sex Offender Registry, obtain liability insurance & provide results of a negative Tuberculin skin test prior to placement. Background check must be completed upon placement. Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Check your Big Bend email the week before classes for log-in information and further course instructions.

EDUC&204 Exceptional Child 5

Lab Fee: \$10.00

This course introduces students to various categories of disabilities, legal and historical foundations for special education services, as well as opportunities to design and access educational resources for exceptional children within a community of collaboration and inclusion.

2424 21H Th 05:30PM-08:30PM 1611 GILES A

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

English

ENGL 010 English Lab 0

Community Ed Fee: \$44.10

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

2500 01 DAILY ARR 1835 SHUTTLE' TH K

Permits a non-BBCC student use of a computer in the English Skills lab.

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

2503 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K

2504 03 MTWTh 02:15PM-03:20PM 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.

2507 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2508 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K

2509 03 MTWTh 02:15PM-03:20PM 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

2513 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K

2514 03 MTWTh 02:15PM-03:20PM 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.

2517 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2518 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K

2519 03 MTWTh 02:15PM-03:20PM 1817 SHUTTLE' TH K

ENGL 098 Basic English Skills 5

Lab Fee: \$17.00

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.

2525 01 MTWTh 10:30AM-11:35AM 1856 ERICKSON G

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.

2530 01 MTWTh 09:15AM-10:20AM 1856 ERICKSON G

2532 02 MTWTh 10:30AM-11:35AM 1855B STAFF

2534 03 MTWTh 11:45AM-12:50PM 1855B HAMMOND D

2536 04 MTWTh 01:00PM-02:05PM 1855B ANDERSON J

2538 OL1 ARR ARR VAN BLARICOM

Online fee is \$10.

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.

2545	01	MTWTh	08:00AM-09:05AM	1606	STAFF
2547	02	MTWTh	09:15AM-10:20AM	1606	STAFF
2549	03	MTWTh	09:15AM-10:20AM	1909	SULLIVAN M
2551	04	MTWTh	10:30AM-11:35AM	1909	SULLIVAN M
2553	05	MTWTh	11:45AM-12:50PM	1606	GUTIERREZ O
2555	06	MTWTh	01:00PM-02:05PM	1605	MARTINSON M
2559	OL1	ARR	ARR		RAMM J

Online fee is \$10.

2560	OL2	ARR	ARR		RASMUSSEN P
------	-----	-----	-----	--	-------------

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.

2561	01	MTWTh	08:00AM-09:05AM	1607	CARPENTER J
2562	02	MTWTh	09:15AM-10:20AM	1855B	CLOSE S
2564	03	MTWTh	09:15AM-10:20AM	1607	CARPENTER J
2565	04	MTWTh	10:30AM-11:35AM	1855A	ROBERTSON D
2566	05	MTWTh	11:45AM-12:50PM	1855A	ROBERTSON D
2567	06	MTWTh	11:45AM-12:50PM	1605	MARTINSON M
2568	07	MTWTh	01:00PM-02:05PM	1610	GUTIERREZ O
2569	21	MW	06:00PM-08:30PM	1609	MURRAY A
2570	OL1	ARR	ARR		RAMM J

Online fee is \$10.

ENGL 109 Applied Technical Writing 3

Lab Fee: \$10.20

The course will prepare technical/vocational students, and others for successful careers in their respective fields by developing skills in written communications commonly used in the workplace. Teaching strategies will address reading,

interpreting, planning, organizing, composing, and word-processing technical writing as applied in business and industry. Prerequisite: ENGL 098 or placement in ENGL 099.

2575 01 MTWTh 08:00AM-08:50AM 1509 RHODES F

ENGL 201 Academic Composition 5

Lab Fee: \$17.00

This advanced writing course focuses on critical thought and composition within academic/professional communities. Published works regarding current affairs, pressing social matters and/or political issues will be critically read and then written about in a way that meets the expectations of an academic/professional community. Students will write a variety of papers, the last of which will be a researched argument. Must also take a literature class as one of the humanities breadth courses (this option recommended for students planning to transfer to Eastern Washington University and Heritage University). Prerequisite: ENGL& 101. SE (If not used as part of the English composition requirement)

2580 01 MTWTh 01:00PM-02:05PM 1606 CLOSE S

ENGL 216 Film Study 3

Viewing of a variety of films on a chosen theme. Discussion and analysis of themes and techniques that have made these films popular and of critical value. May be repeated once. HU

2600 01 T 02:15PM-05:15PM 1601 SULLIVAN M

ENGL&220 Intro to Shakespeare 5

An introduction to Shakespearean comedy, history and tragedy. Prerequisite: ENGL& 101. HU

2605 01 MTWTh 11:45AM-12:50PM 1607 CARPENTER J

ENGL 221 Creative Writing II: Fiction 5

This course is designed for students who have completed an introductory fiction writing class (such as ENGL 211) and who want to continue their creative writing in a lecture and workshop setting. Students will further develop the techniques that writers use to build effective fiction and use the writer's workshop as a method for improving their own work. Students will also read and analyze stories and/or novels with an eye toward improving their own craft. Prerequisites: ENGL 211 Creative Writing: Fiction or instructor permission. HU

2608 01 MTWTh 11:45AM-12:50PM 1909 SULLIVAN M

Prerequisite: Students must have passed Creative Writing I (ENGL 211) or its equivalent in order to take this class.

ENGL 248 Literature of the American West 5

Lab Fee: \$10.00

The course will explore literature of the American West, short stories, novels, memoirs, films, and poems, as it illuminates life and concerns in the region. We will consider historical contexts, as well as myths, legends and stereotypes, their origins and impact as evoked in the literature. Prerequisites: None HU

2636 OL1 ARR ARR HAMMOND D

Online fee is \$10.

Environmental Science

ENVS&100 Survey of Env Science 5

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

2670 01 MTWTh 08:00AM-09:05AM 1250 DUVALL K

2671 OL1 ARR ARR COBB S

Section OL1: Course work will be completed online via Canvas. Students need to have access to a reliable Internet connection. Students participate in online discussion forums, class activities, & submit assignments online; exams are taken on campus. Fee \$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

Books are required. Class meets 4/5, 4/12, 4/19.

2681 02W Sa 09:00AM-05:00PM 1702 BENKO A

Books are required. Class meets 4/6, 4/13, 4/20.

2682 03 F 09:00AM-05:00PM 1702 BENKO A

Books are required. Class meets 4/26, 5/3, 5/10.

2683 04 F 09:00AM-05:00PM 1702 BENKO A

Books are required. Class meets 5/17, 5/24, 5/31.

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-09:05AM 1604 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-09:05AM 1604 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-09:05AM 1604 MCCARTHY J

Geography

GGR 101 Physical Geography 5

Lab Fee: \$17.20

Land forms, climate, vegetation and soils which characterize man's natural environment. Related investigations take place in a two-hour lab period each week. LS

2752 01 MTTh 10:30AM-11:35AM 1217 CHRISTENSEN

Lab W 10:30AM-12:30PM 1217 CHRISTENSEN

Geology

GEOL&101 Intro Physical Geology 5

Lab Fee: \$17.20

Introduction to geology for majors and non-majors; physical applications of geology. Topics include minerals, rock types plate tectonics and deformation, rock and mineral formation, dynamic processes within the earth and the resulting structures and rock types, geologic time, earthquakes and volcanoes, erosion by wind, water and glaciers, and subsequent re-building. Labs will deal with identification of common rocks and minerals, the reading and interpretation of topographic, contour and stratigraphic maps and an over view of the local land form. Prerequisite: MATH095 or instructor permission. LS

2772 01 MW 02:15PM-03:35PM 1252 MELIN J

Lab TTh 02:15PM-04:15PM 1252 MELIN J

Health Education

HED 122 The Human Body and Disease II 5

Lab Fee: \$10.00

This is the second of a three-part course sequence. This includes the analysis and discussion of the anatomy and physiology of the immune system, the lymphatic system, respiratory system, reproductive system, and musculoskeletal system. Sensory, digestive, vascular and skeletal systems will also be covered. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. Prerequisite: HED 121

2810 OL1 ARR ARR SPENCER S

Section OL1: Log into Canvas for all class information. Online fee is \$10.

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

2822 OL1 ARR ARR BUNKELMAN J

Section OL1: Log into Canvas for all class information. Online fee is \$10.

HED 150 Medical Terminology I 3

This is the first of a two part course to prepare students to correctly use medical vocabulary. Prerequisite: None

2830 21 MW 05:30PM-06:50PM 1722 MOTZKUS P

2832 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

2840 OL1 ARR ARR DE HOOG J

Online fee is \$10.

HED 239 Medical Ethics 2

This course introduces ethical and legal issues facing medical professionals.

2850 21 Th 06:00PM-08:00PM 1609 KNEZEVIC V

2852 OL1 ARR ARR KNEZEVIC V

Online fee is \$10.

History

HIST&118 Western Civilization III 5

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). SS

2910 01 MTWTh 10:30AM-11:35AM 1606 WAITES W

HIST&136 US History 1 5

From the Reformation in Europe to the end of the Civil War, this course includes colonization, the introduction of slavery, the Revolutionary and Early National Period, the development of political parties, nationalism and sectionalism, and the Civil War. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. SS

2930 01 MTWTh 11:45AM-12:50PM 1608 RILEY C

Section 01 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

2931 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

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 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. SS

2935 01 MTWTh 01:00PM-02:05PM 1608 RILEY C

Section 01 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

HIST 270 The Roman World 5

This course is a survey of Roman history from the founding of the city in the 8th century BC to the collapse of the Empire in the west in the 5th century AD. The content is organized chronologically, but we will also take time to look at Roman culture including literature, art, architecture and drama. SS

2995 01 MTWTh 01:00PM-02:05AM 1607 WAITES W

Humanities

HUM 214 Diversity Issues: Race, Class, and Gender 5

This cultural diversity studies course examines and investigates culture, behavior, values, identity, stereotypes, person and societal perceptions, and the cultural construction of reality using a literature-based and experientially based cognitive curriculum. This class will explore multicultural society with a mind toward improving students' understanding of their own cultures and the cultures that surround them. Prerequisite: ENGL& 101 or instructor permission

3000 01 MTWTh 11:45AM-12:50PM 1611 CLOSE S

3001 21H T 06:00PM-08:30PM 1909 CLOSE S

Section 21H is a hybrid class that incorporates traditional class time & a distance education component. Students must have access to a reliable internet connection. Online fee is \$10.

Industrial Systems

IST 106 Basic Electricity--AC Circuit Analysis 5

Lab Fee: \$35.50

Teaches alternating current theory, waveform quantities and characteristics, including network analysis with reactive components. Proper use of test equipment and troubleshooting simple circuits. Prerequisite: IST 105-Basic Electricity-DC; MAP 103-Technical Mathematics; or Instructor Permission

3058 01 MW 12:30PM-03:30PM 3607 ROBERTS J

IST 107 Industrial Electricity I 5

Lab Fee: \$35.50

Electrical theory and application, electrical blueprints, power sources, panels, control devices, motors, etc. Use of test equipment and troubleshooting. Note: Maintenance Mechanics emphasis. Prerequisite(s): MAP 103, IST 102, IST 106 or instructor permission.

3064 01 MW 12:30PM-03:30PM 3606 ATRY B

IST 110 Introduction to the National Electric Code 2

Introduction to Washington State electrical law and the National Electric Code as they pertain to the working electrical technician. Prerequisite: IST 107-Industrial Electricity I or instructor's permission.

3070 01 MW 03:30PM-04:20PM 3606 ATRY B

IST 113 Industrial Electrical Installation Techniques 5

Lab Fee: \$35.50

Fundamentals of raceway, wire and utilization equipment installations for plant safety, efficiency and long economic life. Prerequisite: IST 107 Industrial Electricity I or Instructor permission.

3089 01 F 08:00AM-02:30PM 3606 AYERS, J

IST 140 Mechanized Irrigation Application I 10

Lab Fee: \$71.00

This class will introduce the history and development of mechanized irrigation. It will distinguish the basic irrigation systems: pivot, swing arm corner, and lateral move systems. It will focus on technical service and operation as the industry changes. This class will include the application of industrial electrical components and controls in the lab environment. Prerequisite(s): IST 105 and IST 106

3111 01 MTWTh 08:00AM-12:00PM 3602 BESHESSE L

IST 150 Introduction to Programmable Logic Controllers 5

Lab Fee: \$35.50

Introduction to programmable logic controller principles, hardware, and operation. Includes ladder logic, instruction, maintenance and troubleshooting. Prerequisite(s): MAP 103, IST 107 or instructor permission.

3113 01 MW 09:00AM-12:00PM 3604 AUTRY B

IST 180 Machining I 5

Lab Fee: \$35.50

Layout and fabrication techniques with the use of semi-precision and precision measurement tools. Introduction to Drill Press, Engine Lathe and Vertical Mill operations. Prerequisite(s): MAP 103-Applied Mathematics and IST 102- Technical Drawing Interpretation or instructor permission.

3127 21 TTh 05:00PM-08:00PM 3500 AUTRY B

IST 182 Machining II 5

Lab Fee: \$35.50

Fundamentals of machining processes on lathes and vertical mills. Precision measurement with micrometers, vernier calipers, and dial indicators. Prerequisite: IST 180- Machining I or instructor permission.

3133 21 TTh 05:00PM-08:00PM 3500 AUTRY B

IST 184 Machining Skill Enhancement 4

Lab Fee: \$28.40

Extra "hands on" time and instruction to supplement the students machining skill level using fundamental machining processes on lathes, vertical milling machines and other machine shop equipment. Prerequisite: IST 182-Machining II or instructor permission.

3138 21 TTh 05:00PM-08:00PM 3500 AUTRY B

IST 208 Industrial Electricity III 5

Lab Fee: \$35.50

Electrical theory, operation and set-up of variable frequency drives (VFD's), soft start devices, 4-20 ma. control loops and grounding issues associated with electronic devices. Prerequisite: IST 207 or instructor permission.

3151 01 TTh 12:30PM-03:30PM 3606 COX D

IST 221 Electronics I (Principles) 5

Lab Fee: \$35.50

Introduction to principles and applications of analog and digital electronic devices, circuits, and systems. Prerequisite: IST 106 or instructor permission.

3160 01 TTh 09:00AM-12:00PM 3607 ROBERTS J

IST 225 Electronic Communications II 5

Lab Fee: \$35.50

Continuing instruction on the concepts of electronic communication equipment and systems. With emphasis on cellular, and other wireless applications, that are being applied in new configurations within the industrial community. Prerequisite: IST 224--Electronic Communications I or Instructor permission.

3174 01 TTh 12:00PM-03:30PM 3607 MATERN S

IST 226 Introduction to Fiber Optics: Theory and Systems 5

Lab Fee: \$35.50

Introduction to fiber optics equipment and systems. Fiber perspective as a communications medium, with emphasis on the advantages of fiber compared to copper or radio linked systems. Review of the importance of electronics communications with explanations of basic concepts such as bits and bytes, analog and digital, and light. Prerequisite: IST 225--Electronic Communications II or Instructor permission

3175 01 MW 09:00AM-12:00PM 3607 MATERN S

IST 270 Instrumentation II & Control Actuators 5

Lab Fee: \$35.50

Maintenance procedures and troubleshooting techniques for control/measurement loops in the industrial environment along with fundamentals of control valves, actuators, their applications, techniques of safe trouble shooting, testing, repairing, and calibrating final control elements. Prerequisite(s): IST 170 and IST 223 or instructor permission.

3197 01 MW 09:00AM-12:00PM 3606 COX D

IST 282 Fluid Power Transmission 5

Lab Fee: \$35.50

Fundamentals of industrial hydraulic, pneumatic, and vacuum systems. Includes pumps, piping, compressors, check valves, cylinders, motors, control valves and flow controls. Prerequisite(s): IST 100; IST 102; MAP 103 or instructor permission.

3212 01 TTh 09:00AM-12:00PM 3500 ATRY B

IST 284 Pumping Hydraulics & Mechanics 5

Lab Fee: \$35.50

This course explores the fundamental of pump systems characteristics, hydraulic principles, and pumping technology; including various designs, pump seals, lubrication, & mechanical maintenance. Prerequisite: IST 280 or instructor permission.

3220 01 TTh 12:30PM-03:30PM 3500 ATRY B

Math

MATH 080 Basic Mathematics 5

Review and instruction in whole numbers, decimals, and fractions. Learn strategies to deal with math anxiety and test taking.

3236 01 MTWTh 08:00AM-09:05AM 1856 ERICKSON G

3237 02 MTWTh 11:45AM-12:50PM 1910 ERICKSON L

3238 03 MTWTh 01:00PM-02:05PM 1909 ERICKSON L

MATH 090 Prealgebra 5

Lab Fee: \$17.00

This course includes the study of basic arithmetic and algebraic including operations with integers, fractions, decimals and percents; order of operations, measurement, the metric system, algebraic expressions, formulas and simple linear equations. Prerequisite: Appropriate placement on the BBCC math placement exam

3240 01 MTWTh 09:15AM-10:20AM 1200 ABED S

3242 02 MTWTh 01:00PM-02:05PM 1200 SHERWOOD M

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

3248 CL1 MTWTh 08:00AM-09:05AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3249 CL2 MTWTh 09:15AM-10:20AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3250 CL3 MTWTh 10:30AM-11:35AM 1200 MAYER A

Course 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 you have Internet access outside of class.

3251 CL4 MTWTh 11:45AM-12:50PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3252 CL5 MTWTh 01:00PM-02:05PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3253 CL6 MTWTh 02:15PM-03:20PM 1200 SHERWOOD M

Course 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 you have Internet access outside of class.

3255 CLN MW 06:00PM-08:30PM 1200 BAUER J

Course 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 you have Internet access outside of class.

MATH 095 Elementary Algebra 5

Lab Fee: \$17.00

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 01 MTWTh 08:00AM-09:05AM 1200 MAYER A

3262 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 MTWTh 08:00AM-09:05AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3269 CL2 MTWTh 09:15AM-10:20AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3270 CL3 MTWTh 10:30AM-11:35AM 1200 MAYER A

Course 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 you have Internet access outside of class.

3271 CL4 MTWTh 11:45AM-12:50PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3272 CL5 MTWTh 01:00PM-02:05PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3273 CL6 MTWTh 02:15PM-03:20PM 1200 SHERWOOD M

Course 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 you have Internet access outside of class.

3275 CLN MW 06:00PM-08:30PM 1200 BAUER J

Course 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 you have Internet access outside of class.

MATH 097 Elementary Algebra II 5

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 MTWTh 08:00AM-09:05AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3279 CL2 MTWTh 09:15AM-10:20AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3280 CL3 MTWTh 10:30AM-11:35AM 1200 MAYER A

Course 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 you have Internet access outside of class.

3281 CL4 MTWTh 11:45AM-12:50PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3282 CL5 MTWTh 01:00PM-02:05PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3283 CL6 MTWTh 02:15PM-03:20PM 1200 SHERWOOD M

Course 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 you have Internet access outside of class.

3285 CLN MW 06:00PM-08:30PM 1200 BAUER J

Course 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 you have Internet access outside of class.

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 MTWTh 08:00AM-09:05AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3289 CL2 MTWTh 09:15AM-10:20AM 1200 HELVY M

Course 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 you have Internet access outside of class.

3290 CL3 MTWTh 10:30AM-11:35AM 1200 MAYER A

Course 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 you have Internet access outside of class.

3291 CL4 MTWTh 11:45AM-12:50PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3292 CL5 MTWTh 01:00PM-02:05PM 1200 ADAMS S

Course 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 you have Internet access outside of class.

3293 CL6 MTWTh 02:15PM-03:20PM 1200 SHERWOOD M

Course 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 you have Internet access outside of class.

3295 CLN MW 06:00PM-08:30PM 1200 BAUER J

Course 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 you have Internet access outside of class.

MATH 099 Intermediate Algebra 5

Lab Fee: \$17.00

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.

3299 01 MTWTh 10:30AM-11:35AM 1200 ABED S

3300 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 MTWTh 09:15AM-10:20AM 1219 LANE S

3302 OL1 ARR ARR ABED S

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

MATH 120 College Algebra 5

Lab Fee: \$17.00

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 BBCC Mathematics Assessment or successful completion of MATH 099 or 093. MS/SQR

3305 01 MTWTh 09:15AM-10:20AM 1252 WHITNEY B

3306 02 MTWTh 11:45AM-12:50PM 1252 FARAG S

3309 03 MTWTh 01:00PM-02:05PM 1200 FARAG S

MATH&141 Precalculus I 5

Lab Fee: \$17.00

This course will present the following concepts: non-linear inequalities, matrices and determinants, polynomial and rational functions, conic sections, theory of equations, sequences and series, mathematical induction. Prerequisite: Appropriate

scores in the BCC Mathematics Assessment or successful completion of MATH 120.
MS/SQR

3316 01 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

MATH&142 Precalculus II 5

Lab Fee: \$17.00

A comprehensive study of trigonometry, circular functions, right triangle trigonometry, analytical trigonometry, vectors and applications. Prerequisite: MATH& 141 or BCC placement exam. MS/SQR

3320 01 MTWTh 08:00AM-09:05AM 1252 WHITNEY B

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 BCC Mathematics Assessment or successful completion of MATH 098 OR 099. MS/SQR

3330 01 MTWTh 08:00AM-09:05AM 1200 ABED S

3332 02 MTWTh 09:15AM-10:20AM 1200 FARAG S

3334 03 MTWTh 11:45AM-12:50PM 1219 WHITNEY B

MATH&148 Business Calculus 5

Lab Fee: \$17.00

This is an introductory calculus course for business and economics students. It includes an introduction to rates of change, differentiation, integration, areas, and appropriate calculus techniques. There are also applications to marginal analysis in economics, optimization and other relevant applications. Prerequisite(s): Math 120 or instructor permission. MS/SQR

3345 01 MTWTh 01:00PM-02:05PM 1219 LANE S

MATH&163 Calculus 3 5

Lab Fee: \$17.00

This course will expand on the applications and techniques of differentiation learned in the first and second quarters. It will introduce the student to the calculus of sequences and series and the use of the MacLauren and Taylor series to approximate functions. It will introduce the student to the calculus of curvilinear functions and the concept of the vector and vector functions. It will also introduce the concept of a partial derivative and the maximization of functions given in more than one independent variable. Prerequisite: MATH& 152 or instructor permission. MS/SQR

3360 01 MTWTh 10:30AM-11:35AM 1219 LANE S

Medical Assistant

MA 113 Clinical Procedures III 5

Lab Fee: \$30.00

This course builds on and advances the skills learned in Clinical Procedures I and II. It develops the students skills in proper use of medical equipment and procedures including casting and splinting, medication delivery, sample collection, venipuncture and basic radiology. Prerequisite: MA 112

3567 01W Sa 08:00AM-04:00PM 1722 MANN M

MA 150 Pharmacology for Medical Assistants 3

This basic pharmacology course provides instruction on therapeutic action and major side effects of common drugs, principles of medication and dosage calculations for Medical Assisting. Prerequisite: MAP 108

3570 21 TTh 05:20PM-06:50PM 1722 ERWIN K

Music

MUSC&105 Music Appreciation 5

Music Appreciation is a course designed for students who have not had formal study in music or who wish to supplement performance experience with formal study in structure and history. Emphasis is placed on repeated listening experiences to acquire a thorough knowledge of selected works of music literature. HU

3605 01 MTWTh 09:15AM-10:20AM 1134 PATTERSON P

3607 02 MTWTh 10:30AM-11:35AM 1134 PATTERSON P

MUSC 115 Group Piano I 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: instructor approval. HP

3630 01 MW 02:15PM-03:20PM 1135 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 116 Group Piano II 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: MUSC 115 or instructor approval. HP

3634 01 MW 03:30PM-04:35PM 1135 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 117 Group Piano III 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: MUSC 116 or instructor approval. HP

3638 01 MW 03:30PM-04:35PM 1135 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 124 Orchestra I 2

A community and college orchestra that plays a variety of musical works for both string and full orchestra. One to two performances are given quarterly. Prerequisite: Performance ability on an orchestral instrument. HP

3650 21 M 06:00PM-08:00PM 1134 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 134 Beginning Group Guitar 2

This course provides a group approach to progressive instruction, for beginning, advanced beginning and intermediate level guitarists. This course may be repeated for credit up to three times. HP

3670 21 TTh 02:15PM-03:30PM 1134 PATTERSON P

MUSC 215 Group Piano IV 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 117 or instructor approval. HP

3730 01 MW 03:30PM-04:35PM 1135 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 216 Group Piano V 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 215 or instructor approval. HP

3733 01 MW 03:30PM-04:35PM 1134 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 217 Group Piano VI 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 216 or instructor approval. HP

3736 01 MW 03:30PM-04:35PM 1134 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 224 Orchestra II 1

A community and college orchestra that plays for community musicals and graduation as well as other functions throughout the year. May be repeated for credit. Prerequisite: MUSC 124 HP

3740 21 M 06:00PM-08:00PM 1134 PATTERSON P

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 TTh 01:00PM-05:00PM 1721 ERWIN K

**** F ARR ERWIN K

The NAC lab fee includes: malpractice and liability insurance, drug testing, CPR certification, and registration for one state NAC test.

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 via Canvas. Mandatory in class final on May 16 at 10:30 a.m. in room 1722. Online fee is \$10.

NUR 115 Beginning Pharmacology Concepts I 1

This course offers specific in-depth pharmacology information as it relates to common diseases discussed in the Beginning Nursing Concepts Course (NUR 121). Prerequisite: NUR 114

3823 01 ARR ARR 1700 BROOKS J

NUR 130 Beginning Nursing Concepts II 6

This course continues to focus on nursing theory as it relates to basic needs throughout the lifespan, including care of the pediatric patient. Bioethical dilemmas and ethical decision making processes are incorporated. Prerequisite: NUTR& 101 with a 2.0 G.P.A. or above.

3840 01 M 09:00AM-04:00PM 1718 GONZALEZ-ALL

NUR 131 Beginning Nursing Practicum II 4

Lab Fee: \$2.50

Practical application in the clinical setting of nursing theory and skills taught in previous nursing courses and introduced in NUR 130 and NUR 137. Practicum focuses on nursing care to a variety patients across the lifespan. Prerequisites: NUTR&101 with a 2.0 G.P.A. or above.

3844 01 ARR ARR ELLISTON J

3845 02 ARR ARR STAFF

3846 03 ARR ARR GONZALEZ-ALL

NUR 137 Nursing Skills Laboratory 1

Lab Fee: \$98.80

This course provides for the practice of nursing skills in a controlled setting in order to gain proficiency for delivery of nursing care in the clinical setting (NUR 131). The content is based on theoretical nursing knowledge taught in NUR 130. Prerequisite: NUTR& 101 with a 2.0 G.P.A. or above.

3860 01 ARR ARR 1731 ELLISTON J

Two hours arranged per week. Graded on a pass/fail basis.

NUR 230 Advanced Nursing Concepts III 5

Focus on advanced theoretical knowledge as it relates to complex/multiple disease entities and emergency situations. A transition to employment component is incorporated to prepare the student for post graduation employment. Prerequisite: CMST&220 with a minimum 2.0 G.P.A or above.

3930 01 M 09:00AM-03:00PM 1722 BROOKS J

NUR 231 Advanced Nursing Practicum III 6

Lab Fee: \$2.50

This course focuses on increasing independence and skill in the performances and management of patient care in the clinical setting under the guidance of a registered nurse, based on nursing theory and skills taught in previous nursing courses. Prerequisite: CMST& 220 with a minimum G.P.A. of 2.0.

3934 01 ARR ARR GONZALEZ-ALL

3935 02 ARR ARR BROOKS J

NUR 240 Professional Issues 1

This course is designed to assist students in making the transition from the academic setting to a healthcare work environment. It provides preparation for the NCLEX examination, and information about the professional role of the nurse and the legal and ethical responsibilities related to the practice of nursing in the State of Washington. Prerequisite: Instructor permission

3954 01 ARR ARR 1700 CHRISTIAN K

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 MTWTh 08:00AM-09:05AM 1909 CHRISTIAN M

3982 21 TTh 06:30PM-08:50PM 1218 FAIRBANKS V

3983 OL1 ARR ARR CHRISTIAN M

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

Philosophy

PHIL&101 Intro to Philosophy 5

This course is an introduction to philosophy for students who have no previous background in the subject. The course presents a broad overview of philosophical topics of interest and importance. HU

4202 01 MTWTh 08:00AM-09:05AM 1219 LANE S

PHIL&120 Symbolic Logic 5

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

4210 21 MW 05:30PM-07:50PM 1601 KNEPP D

(Formerly PHIL& 106)

4215 OL1 ARR ARR PALMER S

(Formerly PHIL& 106) Online fee is \$10.

PHIL 240 Philosophy of Religion 5

This course is an introduction to the philosophy of religion for students who have some previous background in philosophy. In addition to reading classic texts in the field, students will pursue some of the fundamental issues in the philosophy of religion. Prerequisite: One philosophy course or instructor permission. HU

4240 01 MTWTh 10:30AM-11:35AM 1608 KNEPP D

Physical Education

PEH 090 Recreational Gym 0

Community Ed Fee: \$26.50

This activity permits the use of BBCC Gym facilities during available hours by individuals who are not students registered at BBCC. Must be 18 years of age to enroll in recreational gym. Community service class.

4302 21 ARR ARR 2014 DE HOOG M

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

4310 01 MTW 10:30AM-11:20AM 1910 HOFLUND B

4312 02 MTW 01:00PM-01:50PM 1910 QUILTER T

4314 OL1 ARR ARR NICHOLS L

Online fee is \$10.

PEH 105 Theory Of Baseball 3

A practical course involved in the coaching aspect of baseball, both defensively and offensively. Emphasis is placed on skills of body mechanics, teaching coaching strategies, organization of a baseball program and evaluation of performance as well as understanding of the rules. SE

4327 01 ARR ARR DOUMIT P

PEH 106 Theory Of Women's Softball 3

This course is for students intending to teach or coach women's fast pitch softball. Emphasis is placed on learning technical skills, teaching and coaching strategies, team-building skills, evaluation of performance in competition, and organization and implementation of a softball program. A high emphasis will be placed on teamwork and dealing with problems unique to the female student. Prerequisite: Previous fast pitch softball experience. SE

4330 01 ARR ARR MOFFITT R

PEH 114 Basketball 1

Lab Fee: \$3.40

Fundamentals of ball handling, shooting, passing, techniques of offensive and defensive play, and practice in competition play. May be repeated for up to three (3) credits. AC

4336 01 MW 01:10PM-02:00PM 2014 WILKS P

PEH 125 Conditioning 1

Lab Fee: \$3.40

An exercise, running, weight training, and skill related program designed to provide the student with the knowledge to develop and execute a physical fitness program that will enhance individual fitness levels, health and body proportions. May be repeated for up to three (3) credits. AC

4338 01 ARR ARR 2014 POTH M

For information about class times please contact the instructor at 793.2225.

PEH 122 Volleyball 1

Lab Fee: \$3.40

Development of volleyball skills, rules, strategies of play and etiquette through repetitive drills for basics and random drills for long-term learning. May be repeated for up to three (3) credits. AC

4355 01 TTh ARR 2012 STAFF

For information about class times please contact the instructor at 793.2232.

PEH 131 Circuit Weight Training 1

Lab Fee: \$3.40

This course includes warm-up, weight lifting at various circuit training stations that incorporates all major muscle groups for 30 seconds to one-minute intervals. May be repeated for up to three (3) credits. AC

4365 01 ARR ARR DOUMIT P

For information about class times please contact the instructor at 793.2230.
AC

4367 02 ARR ARR MOFFITT R

For information about class times please contact the instructor at 793.2232

PEH 133 Weight Training 1

Lab Fee: \$3.40

This course is designed to introduce basic weight training techniques using universal and free (Olympic) weight equipment, as well as a variety of methods and programs of weight training. May be repeated for up to three (3) credits. AC

4375 01 MW ARR 2014 STAFF

For information about class times please contact the instructor at 793.2232.

PEH 155 Body Toning 1

Lab Fee: \$3.40

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

4390 01 MW 11:00AM-11:50AM 2015 NIELSEN C

4391 02 TTh 11:00AM-11:50AM 2015 NIELSEN C

4392 03 MW 12:00PM-12:50PM 2015 NIELSEN C

4393 04 TTh 12:00PM-12:50PM 2015 NIELSEN C

4394 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.

Physics

PHYS&223 Engineering Physics III w/Lab 5

Lab Fee: \$17.20

The third in a three-quarter calculus-based sequence in introductory physics intended for students majoring in science or engineering. Course content includes static electricity, current electricity, magnetism, and special relativity. Prerequisite: Successful completion of PHYS& 221 and PHYS& 222.LS

4474 01 MTWTh 09:15AM-10:05AM 1217 HAMM J

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

4500 01 MTWTh 09:15AM-10:20AM 1608 RILEY C

Section 01 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

4502 02 MTWTh 09:15AM-10:20AM 1605 WAITES W

Section 02 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

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

4550 01 MTWTh 10:30AM-11:35AM 1601 HOLLIWAY D

4552 02 MTWTh 01:00PM-02:05PM 1611 LEONARD R

Section 02 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

4553 03 MTWTh 02:15PM-03:20PM 1609 HOLLIWAY D

4554 OL1 ARR ARR LEONARD R

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

4555 OL2 ARR ARR LEONARD R

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

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 01 MTWTh 01:00PM-02:05PM 1601 HOLLIWAY D

Religious Studies

REL 201 World Religions 5

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 01 MTWTh 11:45AM-12:50PM 1601 KNEPP D

4608 OL1 ARR ARR KNEPP D

Online fee is \$10.

Sociology

SOC& 101 Intro to Sociology 5

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. This idea that we are all profoundly affected by the society in which we live is called the "sociological perspective or imagination", and it is the guiding light of sociology. Strongly recommend placement in MATH 095 or higher and placement in ENGL 099 or higher. SS

4640 01 MTWTh 09:15AM-10:20AM 1601 HOLLIWAY D

4641 02 MTWTh 11:45AM-12:50PM 1604 BENDTSEN K

4643 21H T 05:30PM-07:30PM 1609 BENDTSEN K

SOC 220 Marriage and Family 5

A sociological inquiry into the American institution of marriage and family life. The class includes studies of dating, the single life, sexuality, marriage, parenthood, communication, divorce and many other topics relevant to marriage, mating and family life today. Strongly recommend placement in MATH 095 or higher and placement in ENGL 099 or higher. SS

4672 01 MTWTh 08:00AM-09:05AM 1608 STAFF

Spanish

SPAN&121 Spanish I 5

Lab Fee: \$10.00

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

4701 01 MTWTh 01:00PM-02:05PM 1604 LEAVITT A

4703 21 MW 06:00PM-08:30PM 1604 MCLAUHLAN N

SPAN&122 Spanish II 5

Lab Fee: \$10.00

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

4711 01 MTWTh 10:30AM-11:35AM 1604 LEAVITT A

4713 21 MW 06:00PM-08:30PM 1604 MCLAUHLAN N

SPAN&123 Spanish III 5

Lab Fee: \$10.00

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

4721 01 MTWTh 09:15AM-10:20AM 1604 LEAVITT A

4725 21 MW 06:00PM-08:30PM 1604 MCLAUHLAN N

Welding**WLD 111 Welding Process I 3**

Lab Fee: \$31.50

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.

4840 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4842 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4844 03W Sa 08:00AM-02:30PM 3401 KAUPP G

4845 04B Sa 08:00AM-02:30PM 3401 KAUPP G

4847 21 MW 06:35PM-09:35PM 3403 KAUPP G

4848 22 TTh 06:35PM-09:35PM 3401 KAUPP G

4849 23B TTh 06:35PM-09:35PM 3401 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.

4855 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4857 02W Sa 08:00AM-02:30PM 3401 KAUPP G

4858	03B	Sa	08:00AM-02:30PM	3401	KAUPP G
4859	21	MW	06:35PM-09:35PM	3403	KAUPP G
4860	22	TTh	06:35PM-09:35PM	3403	KAUPP G
4861	23B	TTh	06:35PM-09:35PM	3401	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.

4880	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
4883	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
4884	03B	Sa	08:00AM-02:30PM	3403	KAUPP G
4885	21	MW	06:35PM-09:35PM	3403	KAUPP G
4886	22	TTh	06:35PM-09:35PM	3403	KAUPP G
4887	23B	TTh	06:35PM-09:35PM	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.

4895	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
4897	02	ARR	ARR	3403	MCDANIEL S
4898	03W	Sa	08:00AM-02:30PM	3403	KAUPP G
4899	04B	Sa	08:00AM-02:30PM	3403	KAUPP G
4900	21	MW	06:35PM-09:35PM	3403	KAUPP G
4901	22	TTh	06:35PM-09:35PM	3403	KAUPP G
4902	23B	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 130 Welding Theory III 5

Basic welding blueprint reading and interpretations of conventional drafting, symbology, and specialized welding symbols: basic lines and views, dimensions, welding symbols, abbreviations, and pipe welding symbols, NDT symbols and ISO welding symbols. Prerequisite: instructor approval.

4910	01	MTWTh	09:15AM-10:20AM	3401	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.

4920	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
4922	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
4924	21	MW	06:35PM-09:35PM	3403	KAUPP G
4925	22	TTh	06:35PM-09:35PM	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.

4935	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
4938	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
4939	03B	Sa	08:00AM-02:30PM	3403	KAUPP G
4940	21	MW	06:35PM-09:35PM	3403	KAUPP G
4941	22	TTh	06:35PM-09:35PM	3403	KAUPP G
4942	23B	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 151 Technical Drawings Interpretation 3

Basic technical drawings interpretation skills for welding engineering to develop abilities in reading and understanding technical drawings; emphasis on visualization and sketching of multi-view, isometric, schematic and pictorial drawings. Tech Prep credit available. Prerequisite: MAP 101

4952	21	MW	04:40PM-06:30PM	3401	KAUPP G
4953	22B	MW	04:40PM-06:30PM	3401	KAUPP G

WLD 153 Welding Layout II 3

Lab Fee: \$31.50

Basic technical pipe drawing interpretations and developments. Patterns for geometric shape used in pipe component fabrication and model construction. Prerequisite: WLD 152

4970	01	MTW	03:15PM-04:30PM	3401	MCDANIEL S
------	----	-----	-----------------	------	------------

WLD 190 Skill Improvement 1- 6

Lab Fee: \$31.50

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.

4980	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL	S
4981	02	MTWTh	12:30PM-03:00PM	3403	MCDANIEL	S
4984	03W	Sa	08:00AM-02:30PM	3401	KAUPP	G
4986	21	MW	06:35PM-09:35PM	3403	KAUPP	G
4987	22	TTh	06:35PM-09:35PM	3403	KAUPP	G

WLD 205 Weld Testing Methods 4

Lab Fee: \$42.00

A survey of methods used to test welds. Course will cover a variety of destructive and non-destructive test methods used in the welding industry. Prerequisite: WLD 130

5014	21	TTh	04:20PM-06:30PM	3401	KAUPP	G
------	----	-----	-----------------	------	-------	---

WLD 207 Welding Metallurgy 4

Lab Fee: \$42.00

An introduction to metallurgy. Ferrous and nonferrous metals, alloys and their groupings will be covered. Prerequisite: WLD 206

5015	01	MTWTh	08:00AM-09:05AM	3401	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.

5025	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL	S
5027	02W	Sa	08:00AM-02:30PM	3403	KAUPP	G
5029	21	MW	06:35PM-09:35PM	3403	KAUPP	G
5030	22	TTh	06:35PM-09:35PM	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.

5040 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5042 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5044 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5045 22 TTh 06:35PM-09:35PM 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.

5050 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S
 5052 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5054 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5055 22 TTh 06:35PM-09:35PM 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.

5060 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5062 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5064 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5065 22 TTh 06:35PM-09:35PM 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.

5070 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S
 5072 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5074 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5075 22 TTh 06:35PM-09:35PM 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.

5080 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5082 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5084 21 MW 06:35PM-09:35PM 3403 KAUPP G

5085 22 TTh 06:35PM-09:35PM 3403 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.

5095 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5097 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5099 21 MW 06:35PM-09:35PM 3403 KAUPP G

5100 22 TTh 06:35PM-09:35PM 3403 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.

5105 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5107 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5109 21 MW 06:35PM-09:35PM 3403 KAUPP G

5110 22 TTh 06:35PM-09:35PM 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.

5115 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5117 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5120 21 MW 06:35PM-09:35PM 3403 KAUPP G

5121 22 TTh 06:35PM-09:35PM 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

5125 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5127 21 MW 06:35PM-09:35PM 3403 KAUPP G

5129 22 TTh 06:35PM-09:35PM 3403 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.

5135 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5137 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5139 21 MW 06:35PM-09:35PM 3403 KAUPP G

5140 22 TTh 06:35PM-09:35PM 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

5150 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5152 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5153 21 MW 06:35PM-09:35PM 3403 KAUPP G

5155 22 TTh 06:35PM-09:35PM 3403 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

5160 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5162 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5163 21 MW 06:35PM-09:35PM 3403 KAUPP G

5164 22 TTh 06:35PM-09:35PM 3403 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

5170 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5171 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5172 21 MW 06:35PM-09:35PM 3403 KAUPP G

5174 22 TTh 06:35PM-09:35PM 3403 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

5180 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5182 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5183 21 MW 06:35PM-09:35PM 3403 KAUPP G

5184 22 TTh 06:35PM-09:35PM 3403 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

5190 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5191 02W Sa 08:30AM-02:30PM 3403 KAUPP G

5192 21 MW 06:35PM-09:35PM 3403 KAUPP G

5193 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 290 Skill Improvement II 1- 6

Lab Fee: \$31.50

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.

5200	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL	S
5202	02	MTWTh	12:30PM-03:00PM	3403	MCDANIEL	S
5204	03W	Sa	08:00AM-02:30PM	3403	KAUPP	G
5206	21	MW	06:35PM-09:35PM	3403	KAUPP	G
5207	22	TTh	06:35PM-09:35PM	3403	KAUPP	G
WLD	295	Work Based Learning		1- 6		

Variable Credit Lab Fees are calculated at the highest rate

A supervised work experience in the welding technology field to enhance the application of classroom instruction and skills and/or area of specialization approved by the program instructor. May be repeated up to twelve (12) credits. Prerequisite(s): Instructor approval and concurrent enrollment in WLD 297.

5210	01	ARR	ARR	3404	MCDANIEL	S
------	----	-----	-----	------	----------	---

WLD 297 Work Based Learning Seminar 1

Feedback and discussion to integrate and relate Work Based Learning and classroom based instruction. Work ethic, leadership, safety and occupational health, environmental issues, and other student generated topics are examined. May be repeated up to six (6) credits. Co-requisite: WLD 295.

5215	01	ARR	ARR	3404	MCDANIEL	S
------	----	-----	-----	------	----------	---