

FERGUS HIGH SCHOOL
COURSE DESCRIPTION
GUIDE



2016

FERGUS HIGH SCHOOL
GRADUATION REQUIREMENTS

4 credits English
 3 credits Math
 3 credits Social Studies
 2 creditsHealth Enhancement
 3 credits Science
 1 credit Vocational Education
 1 creditFine Arts
 5 creditsElectives

22 Credits minimum required for graduation.

REQUIRED CLASS SCHEDULE

FRESHMEN

English 9
 Earth Science
 Math option
 Health 9 (1 sem.)
 Physical Educ. 9 (1 sem.)
 3 Elective options

SOPHOMORES

English 10
 Biology
 Math option
 World History
 Health/Phys. Education 10
 2 Elective options

JUNIORS

English 11
 American History
 Science option
 Math option
 3 Elective options

SENIORS

English 12
 P.A.D.
 5 Elective options

- Computer I, II and III are recommended for Freshmen.
- Science cross-over credit includes Veterinary Science and Horticultural Sciences; or for 1/2 cross-over credit for each: Intro to Agricultural Science and Advanced Agricultural Science.
- Math cross-over credit includes Accounting and Business Math as a third math (if qualified).
- Fine Arts credit includes all Music and Art classes, as well as Drama.
- 1 1/2 credits of correspondence work may be approved following the Junior year.

FERGUS HIGH SCHOOL HONORS CURRICULUM

Fergus High School has developed an Honor's Curriculum to encourage our top students to take a more challenging curriculum particularly during their junior and senior years and to recognize their accomplishment for completing it, Fergus High School has developed an Honor's Curriculum. In addition to meeting all FHS graduation requirements, each student in completing this curriculum will be expected to meet each additional Honor's Curriculum expectation:

- Meet all College Prep requirements of the Montana University System.
- Complete four Math classes (no cross-over classes).
- Complete four Science classes (no cross-over classes).
- Complete two World Language classes.
- Complete two Advanced Placement classes.

Students may use independent advanced placement courses as approved by the Academic Committee and Principal.

VALEDICTORIAN AND SALUTATORIAN SELECTION

FHS will attempt to recognize a maximum of three students as both Valedictorian(s) and/or Salutatorian(s). Criteria for selection consideration are as follows:

1. Students to be considered must be in attendance their second semester of their Junior year and both semesters of their Senior year.
2. Students to be considered must complete the Honors Curriculum.
3. Valedictorian and Salutatorian selections will be based on student grade point averages through the second semester of their senior year.
4. Should a tie between students occur with grade point averages the tie will be broken using the following tie breaker steps:
5. See Valedictorian and Salutatorian Criteria for Selection Consideration of Page 9 of the Fergus High School Handbook.

FERGUS HIGH SCHOOL

COURSE OFFERINGS

ENGLISH

Advanced English 11	1 credit
Advanced Placement English 12	1 credit
English 9	1 credit
English 10	1 credit
English 11	1 credit
English 12	1 credit
Literature & Creative Writing	1 credit

MATHEMATICS

Advanced Math/Pre-Calculus	1 credit
Advanced Placement Calculus	1 credit
Algebra I	1 credit
Algebra II/Trigonometry	1 credit
Geometry	1 credit
Geometry 9	1 credit
Math Applications	1 credit
Pre-Algebra	1 credit
Title I Pre-Algebra	1 credit

SCIENCE

Advanced Placement Biology	1 credit
Advanced Placement Chemistry	1 credit
Advanced Placement Physics B	1 credit
Applied Bio-Chemistry	1 credit
Biology	1 credit
Chemistry	1 credit
General Science	1 credit
Earth Science	1 credit

SOCIAL STUDIES

Advance Placement Government	1 credit
American History	1 credit
Problems of American Democracy (P.A.D.)	1 credit
World Affairs	1 credit
World History	1 credit

HEALTH ENHANCEMENT AND LIFE PERFORMANCE SKILLS

Health 9	½ credit
Health/Physical Education 10	1 credit
Physical Education 9	½ credit
Weight Training AM	1 credit
Weight Training/Health 10-12	1 credit

WORLD LANGUAGES

Spanish I	1 credit
Spanish II	1 credit
Spanish III	1 credit
Spanish IV	1 credit

VOCATIONAL EDUCATION (CTE)

Annual	1 credit
Construction Academy	1/2 credits
Internship (one semester)	1 credit
Vocational Coop	1 credit
Vocational Work Experience	1 credit

AGRICULTURE

Advanced Agricultural Science I and II	1 credit
Ag Leadership & Development I and II	1 credit
Ag Structure & Technologies I and II	1 credit
Agricultural Mechanics I and II	1 credit
Applied Agri-Science I and II	1 credit
Horticultural Sciences I and II	1 credit
Veterinary Science I and II	1 credit
Intro. to Agricultural Sciences I and II	1 credit

INDUSTRIAL TECHNOLOGY

Metals Technology I	½ credit
Small Engines	½ credit
Welding I and II	1 credit
Woods Technology I and II	1 credit

BUSINESS

Accounting	1 credit
Business Math	1 credit
Career Awareness	½ credit
Computers I	½ credit
Computers II	½ credit
Computers III	½ credit
Personal Finance	½ credit
Personal Law	½ credit

FAMILY & CONSUMER SCIENCES

Child Development	½ credit
Culinary I	½ credit
Culinary Arts II	½ credit
Family	½ credit
Life Skills	1 credit
Textiles & Apparel I	½ credit
Textiles & Apparel II	½ credit
Textiles III	½ credit
Textiles IV	½ credit

PERFORMING & FINE ARTS

ART

Art I	1 credit
Art II	1 credit
Studio Art	1 credit
Advanced Placement Studio Art	1 credit

DRAMA

Drama	1 credit
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LIBRARY

Broadcast Journalism	1 credit
Media Arts	1 credit

MUSIC

Choralaires	1 credit
Concert Band	1 credit
Concert Choir	1 credit
Jazz Band	1 credit
Music History and Appreciation	1 credit
Percussion Ensemble	1 credit
Symphonic Band	1 credit
Symphonic Choir	1 credit

OTHER OFFERINGS

Elementary Teacher Aide	1 credit
Fergus High School Teacher Aide	1 credit
Independent Courses	½ credit
Odyssey Coursework	½ credit
Office Aide	1 credit
Study Hall 9/10 – Honor Pass 11/12	0 credit
Study Skills	1 credit

NCAA Approved Core Courses

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student-athletes from Fergus High School. These courses are also used in our valedictorian and salutatorian selection process.

English

Advanced English 11
Advanced Placement English 12
English 9
English 10
English 11
English 12
Literature/Creative Writing

Mathematics

Advanced Math/Pre-Calculus
Calculus
Algebra
Geometry
Algebra II/Trig
Math Applications (not after 2015-16 school year)

Social Sciences

Advanced Placement Government
American History
Economics

Problems of American Democracy
Psychology
World History
World Affairs

Natural/Physical Science

Advanced Placement Biology
Advanced Placement Chemistry
Advanced Placement Physics B
Applied Bio-Chemistry
Biology
Chemistry
Earth Science
Physics

Additional Core Classes

Spanish I
Spanish II
Spanish III
Spanish IV

FERGUS HIGH SCHOOL

COURSE DESCRIPTIONS

ENGLISH

Advanced English 11 (ENG 3361 & ENG 3362)

Length of Class: Year Grade Level(s): 11 Credit: 1.0
Prerequisite(s): 3.67 Cumulative English G.P.A., 24 English PLAN/ACT, and instructor approval.

Advanced English 11 is an NCAA Approved Core Course that is taught as a college course. Students will develop comprehension of movements of trends and movements in literature as they reflect contemporary and traditional values, culture, and literary techniques. Novels and selections will be chosen based on literary merit and will represent a cross-section of differing literary time periods and world views. Students will develop oral and written communication skills. Students will develop library usage and research skills by writing a full-length research paper with documentation. The goal is for the students to position themselves to take the A.P. English exam. Enrollment limits apply and students must maintain a B Average.

Advanced Placement English 12 (ENG 4371 & ENG 4372)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): B in Adv. English 11, 24 English PLAN/ACT, and teacher approval instructor approval required.

A.P. English 12 is an NCAA Approved Core Course that is taught as a college course. Students will develop comprehension of movements of trends and movements in literature as they reflect contemporary and traditional values, culture, and literary techniques. Novels and selections will be chosen based on literary merit and will represent a cross-section of differing literary time periods and world views. Students will develop oral and written communication skills. Students will develop library usage and research skills by writing a full-length research paper with documentation. The goal is for the students to position themselves to take the A.P. English exam. Enrollment limits apply and students must maintain a B Average.

English 9 (ENG 1111 & ENG 1112; or ENG 1241 & ENG 1242)

Length of Class: Year Grade Level(s): 9 Credit: 1.0
Prerequisite(s): Freshman class standing and student must qualify

English 9 is an NCAA Approved Core Course where students will develop skills in the following areas: reading and comprehension, identifying forms of literature, understanding the values and elements of literature, interpreting literature, appreciating literary communication in the work of peers and professional authors, recognizing literature as an artistic expression, and recognizing and producing different kinds of writing. Additional skills will include proofreading, vocabulary and spelling, sentence structure and grammar, library usage, research skills, media influence and analysis, cooperative learning, and class participation.

English 10 (ENG 2111 & ENG 2112; or ENG 2141 & ENG 2142)

Length of Class: Year Grade Level(s): 10 Credit: 1.0
Prerequisite(s): English 9 (or equivalent course)

English 10 is an NCAA Approved Core Course where students will learn basic literary terms; develop basic knowledge of genres of literature; identify literary techniques, gain proficiency in writing paragraphs, essays, description, narration, research and persuasion; and develop vocabulary, grammar, proofreading, and speaking skills.

English 11 (ENG 3111 & 3112; or ENG 3141 & ENG 3142)

Length of Class: Year Grade Level(s): 11 Credit: 1.0
Prerequisite(s): English 10

English 11 is an NCAA Approved Core Course where students will identify and define terms which relate to American literature, identify tools writers use, perceive differences in the genres of literature, express ideas about the literature through discussion and analytical composition, increase understanding of the structure of language, increase vocabulary, become more familiar with America's greatest authors and write compositions, essays, poems, and opinions relating to the study of literature. Students will write a research paper with documentation. Grammar and proofreading skills will be emphasized through writing.

English 12 (ENG 4111 & ENG 4112; or ENG 4141 & ENG 4142)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): English 11

English 12 is an NCAA Approved Core Course where, for one semester, students will develop the full essay form by utilizing descriptive, expository and persuasive writing styles. Students will also advance proofreading skills, refine individual styles of written expression, increase vocabulary development, enhance library usage, and augment research skills by writing a full-length research paper with documentation. In another semester, students will develop literary appreciation and interpretation as they apply to a thematic structure.

Literature & Creative Writing I & II (ENG 3761 & ENG 3762)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): 3.00 Cumulative English G.P.A.

The Literature & Creative Writing is an NCAA Approved Core Course that is a junior or senior elective course which includes a wide variety of literature, poetry, non-fiction, short stories, novels, and plays. A few examples of major works read include: *Their Eyes Were Watching God*, *Catcher in the Rye*, *Blood Wedding*, *Pygmalion*, *Into Thin Air*, and *The Last Lecture*. Assignments include various creative and reflective assignments are completed. Some of the creative and written assignments include journals, fan fiction, investigation and report on of one of the United States' past poet laureates, designing a t-shirt logo based on a quotation, writing a memoir, writing poems for two voices and photograph poems – among others. Class discussion and participation are vital to this course.

MATHEMATICS**Advanced Math/Pre-Calculus** (MA 3561 & MA 3562)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): Algebra II/Trigonometry

Advanced Math/Pre-Calculus is an NCAA Approved Core Course where students develop mathematical skills in algebra of real numbers, vectors, complex numbers, circular functions and trigonometry. Students will use graphing calculators and other technologies to learn whys of mathematical relationships and develop mathematical reasoning abilities. Students will be required to obtain a TI-83+ calculator (or higher level) for use in the class.

Advanced Placement Calculus (MA 4671 & MA 4672)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): Advanced Math/Pre-Calculus, 3.67 accumulated Math G.P.A., 24 Math ACT, and teacher approval.

A.P. Calculus is an NCAA Approved Core Course. It is the mathematics of motion and change where there is motion or growth, where variable forces are at work producing acceleration. The student will develop mathematical skills in functions, limits, continuity, the derivative, applications of the derivative, the definite integral with applications. This class will cover material much more rapidly than High School Calculus and the goal of this class is for all students to take the A. P. Calculus exam. Use of graphing calculators and other technologies are integrated throughout the course and student will be required to obtain a TI-83 calculator (or higher level) for use in the class.

Algebra I 09 (MA 1211 & MA 1212)

Length of Class: Year Grade Level(s): 9 Credit: 1.0
Prerequisite(s): Pre-Algebra or appropriate level for incoming freshman

Students will develop skills in operations with real numbers, simplifying algebraic expressions, solving equations and inequalities in one variable, operations with sets, solving systems of equations in two variables, graphing, solving word problems, operations with polynomials and radicals, solving the quadratic equation and solving equations with absolute.

Algebra I (MA 2211 & MA 2212)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Pre-Algebra and Sophomore Standing

Students will develop skills in operations with real numbers, simplifying algebraic expressions, solving equations and inequalities in one variable, operations with sets, solving systems of equations in two variables, graphing, solving word problems, operations with polynomials and radicals, solving the quadratic equation and solving equations with absolute.

Algebra II/Trigonometry (MA 3411 & MA 3412)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): Geometry

Alg. II/ Trig. is an NCAA Approved Core Course where the student will develop math skills by working with real numbers, solving equations and inequalities, functions, relations, and graphs, solving systems of equations, polynomials, factoring, rational expressions and equations, exponents, complex numbers, quadratic equations, conic sections, exponential and logarithmic functions, matrices and determinants, and trig functions. The student will also develop problem solving, critical, and creative skills.

Geometry 09 (MA 1311 & MA 1312)

Length of Class: Year Grade Level(s): 9 Credit: 1.0
Prerequisite(s): Algebra

Geometry is an NCAA Approved Core Course where students will cover problem solving; lines, angles, planes and space; triangles and congruence; logic and proofs (direct and indirect); parallels; area and the Pythagorean theorem; similarity; circles and spheres; area and volume.

Geometry (MA 2311 & MA 2312)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Algebra and Sophomore standing

Geometry is an NCAA Approved Core Course where students will cover problem solving; lines, angles, planes and space; triangles and congruence; logic and proofs (direct and indirect); parallels; area and the Pythagorean theorem; similarity; circles and spheres; area and volume.

Math Applications (MA 4611 & MA 4612)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): C+ in Algebra II/Trigonometry

Math Applications is an NCAA Approved Core Course where students will study trigonometry and the use of graphing calculators and other technology. Students will develop math skills by working with real numbers, solving equations and inequalities, functions, relations, graphs, factoring, exponents, complex numbers, quadratic equations, conic sections, exponential and logarithmic functions, and laws of sines and cosines.

Pre-Algebra (MA 2111 & MA 2112)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Title I Pre-Algebra or prior knowledge in the areas of operations on integers, working with variables and solving equations.

The student will develop the skills to understand algebraic expressions, operations with real numbers, simplifying algebraic expressions, working with integers, working with polynomials and factoring.

Title I Pre-Algebra (MA 1141 & MA 1142)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Title I General Math, student must qualify

If available the students will develop skills such as working with variables, solving equations, using positive and negative numbers, formulas, working with polynomials, factoring, graphs, maintaining skills with fractions, decimals, and percents. They will develop problem solving skills, which can be transferred to algebra and other math classes in the future. The goal of the class is to have students move into Algebra I after completion.

SCIENCE**Advanced Placement Biology** (SCI 4271 & SCI 4272)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): A- in Biology, a B in Geometry, and enrollment in Chemistry; or instructor approval.

A.P. Biology is an NCAA Approved Core Course where students will study the unique properties of living organisms. The student will understand the chemical basis of life, cellular biology, heredity/genetics, and evolution. The student will study the unique properties of all animals, know and be able to apply basic scientific process, the ecological approach, and how to do research and conduct experiments. The goal is for students to position themselves to take the A.P. Biology exam. Enrollment limits may apply and students must maintain a B- average.

Advanced Placement Chemistry (SCI 4371 & SCI 4372)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): Physics, A- in Chemistry or instructor approval.

A.P. Chemistry is an NCAA Approved Core Course where students study the theoretical aspects of chemistry which will include: the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, reaction types, stoichiometry, chemical bonding, and the basic concepts of thermodynamics. All areas will be presented in considerable depth. The goal is for students to position themselves to take the A.P. Chemistry exam. The student will demonstrate knowledge of laboratory safety techniques described during various laboratory activities. Enrollment limits may apply and students must maintain a B- average.

Advanced Placement Physics (SCI 4471 & SCI 4472)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): Chemistry, an A- in Physics and instructor approval.

A.P. Physics is an NCAA Approved Core Course designed to be the equivalent of the general physics course usually taken during the first or second year in college. The student will study the theoretical aspects of physics which will include: vectors, kinematics, dynamics, circular motion and rotation, statics, work and energy, momentum, elasticity and vibration, fluids, wave motion, sound, temperature, heat, thermodynamics, electricity, electric potential, electric potential and power, direct current circuits, electromagnetics, alternating current circuits, electrical applications, electromagnetic waves, geometric optics, optical instruments, wave optics, special relativity, atomic structure, and applied nuclear physics. The goal is for the students to position themselves to take the A.P. Physics exam. Enrollment limits may apply and students must maintain a B- average.

Applied Bio-Chemistry (SCI 3511 & SCI 3512)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): Biology

Applied Bio-Chemistry is an NCAA Approved Core Course is a unique upper division science course that: 1) Integrates both biology and chemistry as a unified domain of study. 2) Presents science principles and provides access to science those principles in the context of major life issues such as home, work, society and the environment. 3) Involves students with many additional laboratory science opportunities. Applied Bio-Chemistry is composed of the following modular units: Water, Natural Resources, Animal Life Processes, Disease & Wellness, and Synthetic Materials.

Biology (SCI 2211 & SCI 2212; or SCI 2241 & SCI 2242)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0

Prerequisite(s): Earth Science, freshman may qualify with selection process

Biology is an NCAA Approved Core Course where students will understand the scientific method, safety techniques in all lab experiences, relationships between organic compounds and living organisms, basic principles of cytology, principles of reproduction, basic anatomy, physiology, taxonomy of the six kingdoms, basic ecological relationships, and current scientific happenings. The student will demonstrate knowledge of laboratory safety techniques as described during the various laboratory activities.

Chemistry (SCI 3361 & SCI 3362)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0

Prerequisite(s): B in Biology, enrollment in Alg. II/Trig., B+ in Geometry and instructor approval.

Chemistry is an NCAA Approved Core Course where students will be introduced to the history of chemistry, expression and analysis of data, measurement, scientific methods, chemical nomenclature, formulas and equations, atomic structure, periodicity, the gas laws, chemical equilibrium, electrons in atoms, chemical bonding, acids and bases, redox reactions, thermochemistry, phase changes, organic chemistry, and descriptive chemistry. The student will demonstrate knowledge of laboratory safety techniques as described during the various laboratory activities.

Earth Science (SCI 1111 & SCI 1112; or SCI 1141 & SCI 1142)

Length of Class: Year Grade Level(s): 9, 10 Credit: 1.0

Prerequisite(s): Freshman or sophomore class standing only

Earth Science is an NCAA Approved Core Course where students learn about the earth's crust, processes of weathering and erosion, geological features caused by diastrophism, and knowledge of the Earth's past. Students will also study astronomy, meteorology, and oceanography. The student will demonstrate knowledge of laboratory safety techniques as described during the various laboratory activities.

SOCIAL STUDIES

Advanced Placement Government (SS 4371 & SS 4372)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): B+ American History with student G.P.A., ACT test scores and teacher approval included in selection process.

A.P. Government is an NCAA Approved Core Course where students develop an understanding of the challenge of American democracy by investigating the modern dilemma facing our government and its people; namely, to what extent are we willing to sacrifice personal freedoms for the benefit of order and/or equality in society? Students will critically analyze their own positions on a variety of issues facing our government today, using a two-dimensional framework rooted in three core American values: freedom, equality, and order. Course themes include: dilemmas of democracy, foundations of American Government, linking people with government, institutions of government, civil rights and liberties, political processes, and the making of public policy. Students will also consider America's changing role in the world community as witnessed through current events and the phenomenon of globalization. This is a college level advance placement course, demanding substantial reading, research, writing, discussion, and presentation skills. This course will be taken in lieu of P.A.D. for the senior year social studies government credit.

American History (SS 3211 & SS 3212; or SS 3241 & SS 3242)

Length of Class: Year Grade Level(s): 11 Credit: 1.0
Prerequisite(s): World History and junior class standing

American History is an NCAA Approved Core Course where students study the history of the Americas from the seeds of revolution and declaring independence to the present, emphasizing this nation's binding heritage of a democratic vision and of liberty, equality and justice. This heritage has forged a single nation from peoples of remarkably diverse racial, religious, and ethnic origins. Through this course, students will be prepared for private lives of personal integrity and fulfillment, as well as for public life as democratic citizens. This preparation is attained by investigating and understanding major events that have tested the American democratic vision: The American Revolution and creating a government, the living Constitution, reform movements, the Industrial Age, Immigrants and Urbanization, WWI, the Great Depression and the New Deal, WWII, the Cold War, Civil Rights, the Vietnam experience, and the role of the United States in today's world.

Economics (SS 3411)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5
Prerequisite(s): Junior or senior class standing

Economics is an NCAA Approved Core Course where students study of how people deal with the problem of scarcity. This course introduces students to basic micro-and macroeconomic principles and theories. Microeconomic concepts students will understand include: types of market models, supply, demand, market equilibrium, elasticity, taxes and income distribution, public goods, externalities, and financial markets (stocks). Macroeconomic concepts developed include: Gross Domestic Product, inflation, unemployment, interest rates, and government fiscal policy. The final portion of this course looks at trade and global markets, which investigates global economic development, technology, comparative advantage, tariffs, quotas, trade barriers, and emerging market economies around the world.

Problems of American Democracy (P.A.D.) (SS 4311 & SS 4312; or SS 4341 & SS 4342)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): American History and senior class standing

P.A. D. is an NCAA Approved Core Course where students learn about the structure and operation of the U.S. Government today, including how our government is affected by and interacts with individuals, states, and its other branches. The role of political parties, interest groups, and the media in these processes will also be considered. Further, students will analyze America's role as a significant force in the world today, as we influence, and are influenced by, nations and peoples from around the globe. These studies will allow students to understand the concepts of federalism, separation of powers, comparative government, political processes, and global perspectives. In addition, students will gain an understanding of the role civil rights and liberties, cultural pluralism, civic participation, and checks and balances play in our system of governance. All of these concepts will be tied to current relevant issues, encouraging students to discover their own political ideologies as they learn of the foundations and operation of our nation.

Psychology (SS 3512)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5
Prerequisite(s): Junior or senior class standing

Psychology is an NCAA Approved Core Course where students scientifically study mental behavior and processes. This course emphasizes, as class size allows, exploration and introspection of self for those enrolled. Small group discussions and participatory activities are mandatory. The instructor expects students to take positive risks in the class and to be respectful of others with varying opinions. Exercises on non-verbal communication, trust, temperament sorters, self-discovery, and teambuilding initiatives are incorporated into course content. The course develops an understanding of general psychology principles surrounding: personality, motivation and emotion, child development, adolescence and adulthood, learning, memory and intelligence, gender and sexuality, social psychology, consciousness, sensation and perception. Course emphasis will be determined by student interest in the subject options.

World History (SS 2111 & SS 2112; or SS 2141 & SS 2142)

Length of Class: Year Grade Level(s): 10 Credit: 1.0
Prerequisite(s): Sophomore class standing

World History is an NCAA Approved Core Course where students are given an overview of world history from earth's beginnings to modern times. Emphasis will be given to the how's and whys of historical and current events, discussion of world religions, understanding and comparing major governmental systems and world empires, the causes and effects of major world conflicts, and artistic and other cultural aspects of major world civilizations. The major goal of the course is to help students understand and appreciate the diverse cultures in our world.

World Affairs (SS 3411 & SS 3412)

Length of Class: Year Grade Level(s) 11/12 Credit 1.0
Prerequisite(s): Junior class standing

World Affairs is an NCAA Approved Core Course where students through exploration of current Issues will increase their understanding of contemporary affairs. Students would study global, Contemporary politics, economics, culture and society encompassing a broad perspective of the Social sciences. In an increasingly global and complex world it becomes imperative that citizens are informed about the causes and consequences of world events. The course stresses the responsibility of students to fellow humans and the environment in our interdependent world. The teaching methods include journal writing, papers, oral presentations, research, group activities, book critiques and multimedia projects.

HEALTH ENHANCEMENT AND LIFE PERFORMANCE SKILLS

Health 09 (HE 1110)

Length of Class: Semester Grade Level(s): 9 Credit: 0.5
Prerequisite(s): Freshman class standing

Students in Health 9 will gain knowledge in AIDS, sexually transmitted diseases, human development, harassment/intimidation, substance abuse, and stress management. Additionally students will work on developing interpersonal communication skills and coping skills.

Health/Physical Education 10 (HE 2311 & HE 2312)

Length of Class: Year Grade Level(s): 10 Credit: 1.0
Prerequisite(s): Health 9 and Physical Education 9

Students will participate in and demonstrate skills needed in competitive and non competitive games and activities. The student will develop strength, endurance, agility, coordination, teamwork, and competitive spirit (team play, game strategy, play for pleasure, conditioning). The students will also work in the following health areas: nutrition, drug and alcohol awareness and decision-making, weight maintenance, AIDS, and wellness.

Weights/Health 10/11/12 (HE 2411 & HE 2412; or HE 2511 & HE 2512)

Length of Class: Year Grade Level(s): 10 Credit: 1.0
Prerequisite(s): Health 9 and Physical Education 9 with physical exam required

This class will be offered as a replacement for regular Health/Physical Education 10. Weight training is an elective class, which places its emphasis on physical conditioning and strength training. This is accomplished with the use of free weights, weight machines, and plyometrics. The purpose of this class is to meet the needs and movements of our athletes in and out of season, and for our students who are interested in developing and maintaining flexibility, agility, strength, and endurance. The student shall gain an understanding of various forms of strength training and how they differ, the purpose of each lift and use the correct lifting form with emphasis on safety tips. The students will also work in the following health areas: nutrition, drug and alcohol awareness and decision-making, weight maintenance, AIDS, and wellness.

Physical Education 09 (HE 1210)

Length of Class: Semester Grade Level(s): 9 Credit: 0.5
Prerequisite(s): Freshman class standing

Students will participate in and demonstrate skills needed in competitive and non competitive games and activities. The student will develop strength, endurance, agility, coordination, teamwork, and competitive spirit (team play, game strategy, play for pleasure, conditioning).

Weight Training AM (HE 3811 & HE 3812)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): Health 9 and Physical Education 9 with physical exam required

Weight training is a zero period elective class which places its emphasis on physical conditioning and strength training. This is accomplished with the use of free weights, weight machines, and plyometrics. The purpose of this class is to meet the needs and movements of our athletes in and out of season, and for our students who are interested in developing and maintaining flexibility, agility, strength, and endurance. The student shall gain an understanding of various forms of strength training and how they differ, the purpose of each lift and use the correct lifting form with emphasis on safety tips

WORLD LANGUAGES

Spanish I (WL 1211 & WL 1212)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0

Prerequisite(s): Prerequisite C in the two previous years in English

Spanish I is an NCAA Approved Core Course where students learn basic vocabulary which includes developing reading, writing, listening and speaking skills. Good memorization and spelling skills are essential. A passing grade is required for semester I in order to continue in semester 2. Students learn the basic phonics system. Students study the geography and cultures in Spain and other Hispanic countries.

Spanish II (WL 2211 & WL 2212)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0

Prerequisite(s): prerequisite B in Spanish I or instructor approval

Spanish II is an NCAA Approved Core Course where students is a continue with the next level of Spanish. It includes a solid review of the first year fundamentals and higher development of reading, writing, listening and speaking skills. . Students will learn more advanced vocabulary along with the skills in listening, speaking, reading and writing which will be taught in eleven different time frames. More information about the cultures in Spain and other Hispanic countries will continue to be introduced.

Spanish III (WL 3211 & WL 3212)

Length of Class: Year Grade Level(s) 11, 12 Credit: 1

Prerequisite(s): B in Spanish II or instructor approval

This is a continuation of Spanish II, which includes a solid review of the fundamentals and higher development of reading, writing, listening and speaking skills. Students will learn more advanced vocabulary along with the skills in listening, speaking, reading and writing which will be taught in eleven different time frames. More information about the culture in Spain and other Hispanic countries will continue to be introduced.

Spanish IV (WL 4211 & WL 4212)

Length of Class: Year Grade Level 12 Credit 1

Prerequisite(s): B in Spanish III or instructor approval

This is a continuation of Spanish III, which includes a solid review of the fundamentals and higher development of reading, writing, listening and speaking skills. Students will learn more advanced vocabulary along with the skills in listening, speaking, reading and writing which will be taught in eleven different time frames. More information about the culture in Spain and other Hispanic countries will continue to be introduced.

VOCATIONAL EDUCATION

Construction Academy (VOC 3211 & VOC 3212)

Length of Class: Year Grade Level(s): 11, 12 Credit: 2.0

Prerequisite(s): Drafting Technology and Woods Tech. I preference

The Construction Academy is an opportunity the last two periods of the day for students to be engaged in an internship type experience with a contractor building a modular home and other carpentry projects. It is a real world introduction to the world of work focusing on residential construction, including on the job construction. Suitable clothing and a willingness to work are required. Students will learn about window placement, cabinet hanging, plumbing, basic electrical, structural framing, truss building, flooring, roofing and almost all facets of residential constructions. There is a focus on job skills and students should be employable for work upon completion. This experience is graded on the normal grading scale the student's paycheck and quality of work, but will not apply to the student's overall GPA.

Internships (VOC __10)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): Junior or senior class standing

Internship positions have been created in the community for juniors and seniors. These positions are non-paid, graded and take up two periods back to back. Students must apply through the school, with the businesses selecting the best individual for the internship. Internships previously offered include, but are not limited to positions such as: Accounting, Attorney, Auto Body, Banking, Daycare, Elementary Educ., Medical, and Veterinarian. Each position is set up to be a learning experience with learning goals and objectives in place. Internships available will be advertised towards the end of each semester. The instructor will monitor job performance with regard to learning goals and objectives and participating students will have a semester exam. This experience is graded on the normal grading scale but will not apply to the student's overall GPA.

Annual (CTE 3511 & CTE 3512)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): 2.5 GPA and recommendation from two teachers-one English teacher and any other teacher of a solid subject. Seniors will be given first priority.

Students will develop skills necessary for production and publication of the school yearbook. Students will design layouts for yearbook pages, use various publishing forms, and write and type copy for pages. Students will become familiar with terminology related to the publication of a yearbook. They will also become familiar with the business aspects of creating a yearbook, i.e. company specifications and deadlines. Students will manage and work with digital photographs.

Vocational Coop. (VOC 4311 & VOC 4312)

Length of Class: Semester Grade Level(s): 12 Credit: 0.5

Prerequisite(s): Senior class standing with a minimum of five classroom assignments.

Vocational Cooperative Education is a program between the school and cooperative employers encouraging student development of work habits and work-related skills. Students must find and maintain employment at an approved job site and must work an average of 10 to 12 hours per week. Students must have employment with a local business and will not be allowed to work for a family member. Each student may be released from school for up to one period per day if needed paperwork and classroom responsibilities have been taken care of properly. Vocational Co-op students are required to attend several semi-regular (in-school) classroom presentations. The

Vocational Co-op instructor will monitor job performance and hours. This experience is graded on pass/fail basis and will not apply to the student's overall GPA.

Vocational Work-Experience (RES 0111 & RES 0112)

Length of Class: Semester Grade Level(s): 9, 10, 11, 12 Credit: 0.5
Prerequisite(s): Student must qualify.

Vocational Work Experience opportunities are a part of a resource student's transition plan as they move from high school into adult life. IEP study team will determine placement. Special needs students will gain work experience with assistance from a job coach or assistant. A job coach or teacher aide will be assigned and provide training and monitoring on an as needed basis and will work with the special needs and skills that each student has. Specific work experiences may be either on campus or in the community. This experience is graded on the normal grading scale but will not apply to the student's overall GPA.

VOCATIONAL EDUCATION – AGRICULTURE (THESE COURSES PROVIDE THE STUDENT ELIGIBILITY FOR ALL FFA ACTIVITIES THROUGHOUT THE YEAR.)

Advanced Agricultural Science (AG 2111 & AG 2112)

Length of Class: Year Grade Level(s): 10 & 11 or Instructor Approval Credit: 1.0
Prerequisite(s): Intro. to Agricultural Science

This is an advanced course for Agricultural Education. Students in this course will emphasize skills in welding, electricity, and plumbing. A comprehensive view of range science and crop science will be covered, giving the basic technological concepts associated with today's agriscience. Aquaculture and water quality will be components of this class. Computers will be incorporated with the various segments the course and will be exposed to the National FFA Organization.

Agricultural Mechanics I & II (AG 3511 & AG 3512)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Intro. to Agricultural Science (current or previous enrollment)

Offered every other year opposite Agriculture Structures and Technologies

This course is intended for the student that is interested in the broad field of agricultural mechanics. Units of instruction will include but may not be limited to: becoming a successful worker in the modern workplace, safe use of tools and equipment, basic electrical wiring principles and procedures, basic plumbing principles and procedures, basic concrete principles and procedures, basic carpentry principles and procedures, basic fencing principles and procedures, cold and hot metal processes and procedures. Other information that will be covered is student project planning and fabrication.

Applied Agri-Science I & II (AG 4811 & 4812)

Length of Class: Semester Grade Level(s) 11, 12 Credit: 0.5
Prerequisite(s): Intro. to Agricultural Science Preference (10th Grade with Instructor Approval)
Offered every other year opposite Ag Leadership and Development

Course is designed for students who share a common vision towards the growth and development of the agriculture/FFA program. Students will be encompassed in a variety of leadership, management, and employability, public speaking, and community service skills. "Hands-on" learning utilizing computers, technology, and advanced communications will be addressed. One of the primary objectives of the class is to organize, prepare, and implement the AHS Agriculture Program/FFA Program of Activities.

Ag Leadership and Development (AG 3811 & AG 3812)

Offered every other year opposite Applied Agri-Science.

Agriculture Structures and Technologies (AG 3911 & 3912)

Length of Class: Semester Grade Level(s) 11, 12 Credit: 0.5
Prerequisite(s): Intro to Agricultural Science (current or previous enrollment).
Offered every other year opposite Agricultural Mechanics.

This course prepares students to evaluate, design and construct agricultural structures. Students learn to design, evaluate and interpret construction plans and calculate a bill of materials. The skills learned in the Agricultural Construction Skills course may be incorporated to construct an agricultural structure. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

Horticultural Sciences I & II (AG 3311 & AG 3312)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5 each
Prerequisite(s): Intro. to Agricultural Science Preference

This is a hands on course that will explore the field of Horticulture from a greenhouse based experience. Students will learn the traits of a successful worker in the Horticulture industry. Students should be able to recognize the importance, scope and benefits of the Horticulture industry, classify and identify plants used in ornamental horticulture, recognize plant propagation techniques related to horticulture, identify structures and equipment used in horticulture, apply safe work practices in horticulture, recognize the requirements for growing horticultural plants, grown fruit and vegetable crops, and develop marketing and management techniques for operating a horticulture business.

Intro. to Agricultural Science (AG 1111 & AG 1112)

Length of Class: Year Grade Level(s): 9, 10 or Instructor Approval Credit: 1.0
Prerequisite(s): Freshmen or sophomore class standing

This is the introductory course to the Fergus High School Agricultural Education. Students in this course will be taken on a journey through today's modern agricultural areas including plant science, animal science, soil science and environmental technology. The student will also learn basic cold metal work, woodworking and tool conditioning. The areas of leadership, public speaking, and parliamentary procedure will also be addressed. Computers will be introduced for agricultural recordkeeping. Students will also be exposed to the National FFA Organization

Veterinary Science I & II (AG 3211 & AG 3212)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5 each
Prerequisite(s): Intro. to Agricultural Science (current or previous enrollment)

This course will focus on the animal science industry and is for students interested in the Animal Science field. Topic will include the basics of animal husbandry as well as introduction to animal anatomy, genetics, nutrition, and evaluation. Emphasis of the course will be studying Food/Meat Science, reproduction in livestock, feeds and feeding as well as vet care and management of livestock. Course will contain lab activities in the meat and food science area and will contain several project-based assignments. Veterinary Science is designed to provide students with an opportunity to study the science of veterinary medicine, including animal anatomy and physiology, animal health, nutrition, and cause/prevention of disease. Students will learn various veterinary laboratory skills, aseptic and surgical procedures, basic radiology, and scientific research and writing skills.

VOCATIONAL EDUCATION - INDUSTRIAL TECHNOLOGY

Metals Technology (IT 2711)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Drafting Technology

This course is designed as an introduction to basic hand and machine metal working. Areas of instruction include metallurgy, hand tool identification and usage, threading, sheet metal fabrication, basic metal lathe, milling machine, and drill press operation. A unit on non-ferrous foundry is also included.

Small Engines (IT 2812)

Length of Class: Semester Grade Level(s): [Click here and type name] Credit: 0.5
Prerequisite(s): Drafting Technology

Topics covered will include safety, identification of tools and correct applications, proper use of precision measuring equipment and small gas engines specialty tools, theory of operation, identification of parts and systems, problem-solving, teardown and rebuilding of a small gas engine.

Welding Technology I & II (IT 2511 & IT 2512)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Drafting Technology

This course is designed as an introduction to basic welding techniques. Students will be exposed to the following areas: basic welding processes and machines used in electric arc, MIG, TIG, and Oxyacetylene welding and will focus on application and production uses.

Woods Technology I & II (IT 2311 & IT 2312)

Length of Class: Semester Grade Level(s): 9 or Teachers Permission Credit: 0.5
Prerequisite(s): Drafting Technology

This course is designed as an introduction to basic wood working and safety techniques. Students will be exposed to the following areas: wood identification and classification, basic drafting, tool use and classification, adhesives, fasteners, methods of shaping and forming wood, principles of mass production, career opportunities, project construction, and safety.

VOCATIONAL EDUCATION - BUSINESS

Accounting (BUS 3611 & BUS 3612)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Geometry

A tech prep class and math cross-over credit course where students will learn essential skills as applied to basic analysis of financial statements with emphasis on accuracy. Students will prepare journals, ledgers, worksheets, and basic financial statement. They will also complete business simulations and a unit of automated accounting which requires application of all accounting skills in conjunction with technology skills.

Business Math (BUS 3231 & BUS 3232)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): Pre-Algebra, student must qualify

If available the student will develop basic computational and problem-solving skills essential for high school mathematics. Topics will range from the operations with whole numbers, fractions and decimals, to areas of math such as geometry, measurement, statistics, probability, elementary algebra, budgeting, and insurance.

Personal Law (BUS 3211)

Length of Class: Semester Grade Level(s): 9, 10, 11, 12 Credit: 0.5

Prerequisite(s): Sophomore or higher class standing

This course introduces the student to street law or the practical laws used in everyday life (on the streets). Every purchase, lease, contract, marriage, divorce, crime or traffic violation places the citizen face-to-face with the law. This course is designed to provide you with an understanding of your legal rights and responsibilities, a knowledge of everyday legal problems, and the ability to analyze, evaluate, and in some situations, resolve legal disputes. We bring in many current legal encounters that are going on both in the business world as well as those items in the newspapers or in the news. Topics covered will include a brief history of the law, our court systems, crimes, criminal law, defenses, investigation phases, trials, tort law, negligence, strict liability, contracts, warranties, credit, deceptive sales practices, being a smart consumer, housing, family laws, Constitutional laws, discrimination, and workplace rights and responsibilities.

Career Awareness (BUS 2211)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 1.0

Prerequisite(s): Sophomore class standing

Students will become more aware of own strengths and weaknesses through vocational assessment, and interest inventories. Students will learn about career opportunities in and outside our community and will learn about training programs available in Montana. Using this information, each student will develop individual goals and a long-term plan to meet these goals. Each student will also prepare a career portfolio, which will include a resume, letter of application and completed application forms. A job shadow experience is part of the course requirements.

Computers III (BUS 2311 or BUS 2312)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5

Prerequisite(s): Keyboarding or Word Processing

A tech prep class where students will learn computer literacy, word processing, spreadsheets, database, presentation software, and will learn to use GUI (graphical user interfaces).

Computers I (BUS 1611)

Length of Class: Semester Grade Level(s): 9, 10, 11, 12 Credit: 0.5

Prerequisite(s): Freshman class or higher standing

When combined with Word Processing this is a tech prep class where students will learn keyboarding techniques using the touch system. Lessons cover the keyboard, basic skills and an introduction to common business formats. Major objectives are to develop touch control of the keyboard using proper keyboarding techniques and to build speed and accuracy. Emphasis will be on developing proper techniques for keying alphabetic and number keys and applying this skill in the production of business correspondence. Students will experience the following skills: personal and business letters, manuscripts, centering, tables, and an emphasis of proofreading, as well as proofreading marks. Speed and accuracy will be developed using timed writings.

Personal Finance (BUS 2012)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5

Prerequisite(s): Sophomore class standing

Students will learn of the many concepts of financial literacy which affects all aspects of personal life. Student personal financial decisions will have lasting impacts in their future lives. Personal

Finance is a practical class that offers the students a chance to relate terms and competencies to real life situations that many students have been in or will have had happen to them in the future. The course is broken into four sections: Financial Responsibility and Decision Making; Income and Careers; Spending and Credit; and Savings and Investing. Come learn how to manage your money and make educated financial decisions that will affect all aspects of a student's life.

Computers II(BUS 1711 or BUS 1712)

Length of Class: Semester Grade Level(s): 9, 10, 11, 12 Credit: 0.5
Prerequisite(s): Keyboarding

When combined with Keyboarding this is a tech prep class where students will learn to type using computer applications. Students will experience the following skills: personal and business letters, manuscripts, job applications, resumes, letters of application, centering, tables, correction applications, outlines, compositions, themes, bibliographies, title pages, itineraries, minutes of meetings, book reviews, and an emphasis of proofreading, as well as proofreading marks. Speed and accuracy will be developed using timed writings.

VOCATIONAL EDUCATION - FAMILY & CONSUMER SCIENCES

Child Development (FCS 2312)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Sophomore class standing

This class focuses on pre- and post-natal care, infants, toddlers, preschool aged children, dealing with handicapped children, and creative activities to do with children. Students will participate in some hands-on experience in a daycare or elementary school situation. Students will also take part in a practical childcare situation by caring for a computerized infant.

Culinary Arts I (FCS 2411)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Sophomore or higher class standing

This is the basic food course that covers many different aspects of food preparation, nutrition, safety and sanitation practices, meal planning, and table service. Some of the culinary experiences include: quick and yeast breads, pies and pastries, cookies, dairy products, eggs, fruits and vegetables. Table setting, etiquette and meal service will also be covered.

Culinary Arts II (FCS 2412)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Culinary Arts I or Instructor Approval

This is an advanced foods course for students with intermediate skills. This class will focus on specialized areas of food preparation such as cakes and cake decorating, spices and seasonings, candy making, food preservation, appetizers, foreign foods, meats and garnishes.

Family Living (FCS 2211)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Sophomore class standing

This up-to-date class will cover all the various areas of family living: personality development, self-esteem, communication skills, sexual and physical development, dating, love and marriage, divorce, single living, aging and death, family crisis, child development and family relationships. A final project of this class is the development of a dream wedding portfolio.

Life Skills (FCS 1112 & FCS 1112)

Length of Class: Year Grade Level(s): 9, 10 Credit: 1.0
Prerequisite(s): Freshman or sophomore class standing

This course provides students the opportunity to learn essential life skills. It allows them to develop skills in food and nutrition, family financial literacy, clothing construction and style, relationships,

personal responsibility, and job related tasks. Student leadership (FCCLA) is a part of this class and interested students will be able to participate in district and state competitions as a result of projects completed in Life Skills.

Textiles & Apparel I (FCS 2711)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Sophomore or higher class standing

Students in this course will be introduced to the world of fashion. Areas to be covered include: elements and principles of design, textiles, and basic construction techniques. Students will create several samples and projects demonstrating their ability to complete various construction techniques. The student will be responsible for the purchase of their own material and supplies for all projects.

Textiles & Apparel II (FCS 2712)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Textiles & Apparel I

Textiles and Apparel II is an advanced textiles class that includes advanced construction techniques including quilting. During third quarter, students will learn basic quilting techniques and will complete a quilt sampler. During fourth quarter, students will have the opportunity to perfect their construction skills by completing at least two projects. The student will be responsible for the purchase of their own material and supplies for all projects.

Textiles & Apparel III (FCS 3811)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5
Prerequisite(s): Textiles & Apparel II & Instructor Approval

Textiles and Apparel III is an advanced independent study textiles class that includes advanced construction techniques. Students will begin the semester by completing a three to five page research paper on an area of interest related to clothing and textiles. Students will then complete at least three advanced sewing projects per quarter. The student will be responsible for the purchase of their own material and supplies for all projects.

Textiles & Apparel IV (FCS 3812)

Length of Class: Semester Grade Level(s): 11, 12 Credit: 0.5
Prerequisite(s): Textiles & Apparel III & Instructor Approval

Textiles and Apparel IV is an advanced independent study textiles class that includes advanced construction techniques. Students will complete at least three advanced sewing projects per quarter. The student will be responsible for the purchase of their own material and supplies for all projects.

FINE ARTS

Fergus High offers options in the Fine Arts area from their music, art and drama departments. Students may earn more than one elective credit toward graduation from each music class.

FINE ARTS - ART EDUCATION

Art I (ART 1111 & ART 1112)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Freshman or higher class standing with students from junior high art instructor recommendation given preference

This is a beginning level secondary art class that will include but not be limited to drawing still-life, landscape, animals and human forms. Art appreciation and basic design will also be introduced. Realism will be stressed as a final product format. The skills needed to use pencil, ink, and charcoal

will be addressed. Art history will be addressed, as well as introductory clay hand building and the use of sketchbooks.

Art II (ART 2211 & ART 2212)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): B in Art I

This is a middle level art class that applies the introductory skills learned in Art I to the exploration of color theory, 3-dimensional design/sculpture, printing basics, and art appreciation. These new and higher level art skills enable students to formulate a personal style and preference in his/her art experience. The effective use of tempera, watercolor, oil, and acrylic paints will be stressed. Hand building and wheel basics will be explored in clay. Besides further experience of basic realistic drawing skills, abstract styles of art production will be explored. Design principles and elements, as well as black/white photography and Art History will be explored as well.

Studio Art (ART 3371 & ART 3372)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): A in Art II and instructor approval

Advanced level art class that applies skills learned in both Art I and Art II. The student fosters and builds on his art experience in formulating a style and area of strength that he might pursue after high school. Time is allotted for independent study to facilitate this goal as well as blocks of teacher-designed projects to build on basic skills and to introduce new areas of study. There is the opportunity to gain college credit by completing the advanced placement in art requirements. Junior level students have the option of starting the advanced placement in art portfolio at this level. Besides adding experience with Art I and Art II areas, students will explore black and white photography, stained glass, silk batik and imitation fresco. They will also be introduced to electronic media, such as digital photography and computer generated design, as well as Art history and art careers. Students will also gain experience with art appreciation principles using critiques, field trips, and presentations.

Advanced Placement Studio Art (ART 4471 & ART 4472)

Length of Class: Year Grade Level(s): 12 Credit: 1.0
Prerequisite(s): A in Studio Art and instructor approval

The class will consist of a program of independent study projects jointly agreed upon by the instructor and student. The opportunity to pursue the advanced placement in art option is available in this class, although it is recommended that this project be started during the junior year in Studio Art I. Grading requirements for this class will be at the highest level, stressing artistic quality and originality. The ultimate goal of this class is to give art majors an opportunity to hone their artistic skills in preparation for college level art. All areas covered in Art I, Art II, and Studio Art will be used to build the students artistic skills in preparation for college level classes. Art history and art careers will also be addressed.

FINE ARTS - DRAMA

Drama (ENG 2611 & ENG 2612)

Length of Class: Semester Grade Level(s): 10, 11, 12 Credit: 0.5
Prerequisite(s): Sophomore or higher class standing

This class is an introduction to various aspects of theater, providing information and experience in: theater history, technical theater, acting, and stage preparation and various aspects of choosing and producing a play. Students will participate in the Drama Class Play performance each semester.

FINE ARTS - MUSIC EDUCATION

Concert Band (MUS 1311 & MUS 1312)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Freshman or higher class standing

Open to all interested students, Concert Band is an introductory level performing ensemble where students will develop skills in large ensemble playing by exploring traditional and contemporary band literature. Previous instrumental experience is not required but highly recommended. All members of the Concert Band will perform with the marching and pep band as well as participate in scheduled concerts and festivals.

Concert Choir (MUS 1111 & MUS 1112)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Freshman or higher class standing

Concert Choir is open to all students of Fergus High School. It is a class designed to develop musicianship in the novice singer and prepare them for the other ensembles at Fergus High. Sight singing and music theory are a component of the course as well as the development of vocal technique. Literatures of all styles are performed with sight reading and fundamental musicianship skills being the primary focus.

Choralaires (MUS 1511 & MUS 1512)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Enrollment in regular performing choir and instructor approval

Choralaires is a zero period course, which is Fergus High School's advanced vocal jazz ensemble. Students will learn proper jazz style, technique, and improvisational skills. The group is limited to a proper balance of voices and members are expected to perform as an ensemble at the district and state festivals. Members are auditioned using a short prepared solo that demonstrates vocal ability and stage presence, voice placement test, 12 bar blues improvisation, and a short sight reading component.

Jazz Band (MUS 1611 & MUS 1612)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Enrollment in regular performing band and instructor approval

Jazz Band is a zero period course that is open to all students who are currently enrolled in any performing ensemble at Fergus High School. Instrumentation typically follows the standard big band format: five saxophones, five trumpets, five trombones, and jazz rhythm instruments (piano, bass, and drums). If an excessive number of players show an interest in one particular instrument, auditions may be held to maintain instrumentation integrity. Rehearsals will concentrate on stylistic playing, including swing, Latin, rock, and funk with an emphasis on improvisation and improving general musicianship. The band will perform at all major concerts and festivals. Auditions may be held if interest exceeds available positions.

Music History/Appreciation (MUS 2311 & MUS 2312)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0

General overview of the history of music.

Percussion Ensemble (MUS 1711 & MUS 1711)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Freshman or higher class standing

Student members will develop skills in all aspects of percussion technique, including snare rudiments, mallet playing, marching battery, and concert percussion. This ensemble will function as a marching drum-line for football and basketball games, a concert percussion section for the Concert and Symphonic Bands, and will perform independently as a percussion ensemble at scheduled concerts and festivals. Previous instrumental experience is not required but highly recommended. Auditions may be held if interest exceeds available positions.

Symphonic Band (MUS 2411 & MUS 2412)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Concert Band and instructor approval

The Symphonic Band is Fergus High School's premier performing ensemble. Its membership is made up of sophomores, juniors and seniors who will perform traditional and contemporary band literature at scheduled concerts and will participate in local and out of town festivals. All symphonic band members will also perform with the marching and pep band.

Symphonic Choir (MUS 2211 & MUS 2212)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Concert Choir and instructor approval

The Symphonic Choir is the highest level mixed vocal ensemble at Fergus High School and has a proud tradition of excellence. Students in Symphonic Choir develop and master vocal technique and sight singing skills learned previously in Concert Choir. The Symphonic Choir will perform at scheduled concerts and will participate in local and out of town festivals. This group learns and performs music of varying styles and degrees of difficulty with traditional SATB voicing. Symphonic Choir members are auditioned using all-state audition materials and short sight singing components.

OTHER ACADEMIC OPTIONS

Adaptive Physical Education (RES 0231 & RES 0232)

Length of Class: Year Grade Level(s): 9- 12 Credit: 1.0
Prerequisite(s): Determined by IEP

Students will use a variety of basic and advanced movement skills, understand movement concepts and principles for development and enhancement of motor skills, know how to achieve and maintain a health enhancing level of physical fitness, understand that physical activity provides opportunities for enjoyment, challenge and self expression and will participate in and demonstrate skills needed in competitive and non competitive games and activities.

Correspondence Assignment (SH 3211 & SH 3212)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0 from institution
Prerequisite(s): Junior or senior class standing

At times students request and pay for specific online correspondence courses to enhance their learning opportunities. These independent courses are rare but may be available at times for individual students that have either special curricular needs or students that may be working through individual scheduling problems. Students will not be allowed to take correspondence type course in lieu of a course that is being taught by FHS at the time of that course is scheduled. Students taking independent courses through online correspondence must have approval of the both the administration and have paid for the course prior to course scheduling. Many of these independent courses are not used for GPA purposes and FHS policies concerning correspondence courses apply.

Honor Pass (SH 0160)

Length of Class: Year Grade Level(s): 11, 12 Credit: 0

Junior and Senior students who have a passing grade and are meeting the general requirements of Fergus High School are potentially eligible for an honor pass. Honor passes enable students to study in the lobby, library or leave campus during the designated period, assuming each student and their parents/guardian are willing to complete and meet the expectations of the FHS Honor Pass Contract. Privileges may be revoked by the administration or parent/guardian.

Independent Classes

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0
Prerequisite(s): Junior or senior class standing

Independent courses are rare but may be available at times for individual students that have either special curricular needs or students that may be working through individual scheduling problems. Students taking independent courses must have approval of the both the administration and the individual instructor prior to course scheduling. Many independent courses are not used for GPA purposes.

Odyssey Courses (Dependent on Course - ODYS __50)

Length of Class: Year/Sem. Grade Level(s): 11, 12 Credit: 0.5 per sem. course
Prerequisite(s): Junior or senior class standing

Odyssey courses are used in a number of situations as alternatives to more traditional coursework and are taken on an independent basis. Students are expected to be juniors or seniors and are not allowed to replace required coursework unless the course is being taken for the second time. If courses not taught at Fergus High cannot be take to replace courses that are specifically required for graduation however can be taken for elective credit. Courses may also be taken as the result of a student's IEP. All Odyssey courses will be graded on the normal grading scale but will not apply to the student's overall GPA.

Office Aide (TA 2411 & TA 2412)

Length of Class: Year Grade Level(s): 10, 11, 12 Credit: 1.0
Prerequisite(s): Sophomore or higher class standing..

Office aide positions are available for those students who are interested in gaining credit for experiences working in the high school office. Students will be expected to learn and perform needed skills with this experience. Other goals include improving their individual responsibility, as well as people and organizational skills. Students will work one period each day and be expected to report to the office on time ready to work. Each aide will continue to meet attendance requirements and follow the direction of the secretaries and counselors. This experience is graded on pass/fail basis and will not apply to the student's overall GPA. Students may earn more than one credit as an office aide but preference is given to those that have not earned previous aiding credit.

Resource Classes (Dependent on Course - RES __3_)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Student must qualify

Many offerings provided for resource students are selected on an as needed basis in conjunction with testing and individual student education plans. Child study team will determine placement; i.e. students must qualify for special education services. Possible classes include but are not limited to many classes titled "Basic" but may also include courses such as: Arts & Crafts, Basic Life Skills, Home Safety, Humanities, Independent Living, Keyboarding, Nutrition and Vocational Readiness. All courses will be graded on the normal grading scale but special needs courses will not apply to the student's overall GPA.

Study Hall (SH 0111 & SH 0112)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 0
Prerequisite(s): None

Study hall is an opportunity for students to take time during the school day to work on assignments. It is considered a setting where students will be engaged in activities outside of the regular classroom and is not intended to give students a period whereby they merely report to a location with a pass and leave. Restrictions on pass usage may be included in mandatory assignments or during times when student privileges have been abused. A tutor is available through the Title One department for many of our study hall periods. This experience is non-graded.

Study Skills (RES 0131 & RES 0132)

Length of Class: Year Grade Level(s): 9, 10, 11, 12 Credit: 1.0
Prerequisite(s): Student must qualify

A resource tutorial setting where students learn study and organizational skills as well as receive assistance on academics. This assistance is typically provided in a small group resource room setting one period per day. Students may receive more than 1 credit of this experience and it will be

graded on pass/fail basis. Grades will not apply to the student's overall GPA and it is not considered a course for MHSA eligibility.

Teacher Aide/Elementary Teacher Aide (TA 3511 & TA 3512)

Length of Class: Year Grade Level(s): 11, 12 Credit: 1.0

Prerequisite(s): Junior or senior class standing.

Teacher aide positions are available for those students who are interested in gaining credit for experiences working with a teacher in a classroom. Students will be expected to learn and perform needed skills with this experience. Other goals include improving their individual responsibility, as well as people and organizational skills. Students will work one period each day and be expected to report to their respective places on time ready to work. Each aide will continue to meet attendance requirements and follow the direction of their supervising teacher. Students may only receive one credit of overall TA experience. It is graded on pass/fail basis and grades earned will not apply to the student's overall GPA.