



2009–2010 High School
Homeschool
Course Description Booklet

Course cost is \$395 per semester, plus books & applicable course fees.

Homeschool students may take a maximum of three courses per semester.

The following items must be completed before testing and principal interview can be scheduled:

- Orientation meeting with Admissions Department
- Application completed and signed by parent(s)/guardian(s)
- Application fee: \$50 per student
- Pastor Recommendation Form returned by pastor.
- Submit most recent student report cards.

Bible

Bible 9 – Old & New Testament

Length: One semester each

Required Freshman course

A survey of the Old & New Testament with a major emphasis on personalities and events. This course is designed to bring a basic understanding and application to the student's life of the truths found in the Bible.

Bible 10 – Life of Christ

Length: One year

Required Sophomore course

The life and teachings of Jesus Christ in a chronological sequence. Emphasis is placed on Christ's teachings about God, man, knowledge, and ethics. Special attention is also given to the relationship between the Law and the Gospel. Students are challenged to examine the Scriptures, particularly regarding the life of Christ.

Bible 11 – The Sure Word

Length: One year

Required Junior course

God has given us a "Sure Word," (the Bible), on which to stand in the midst of a confused and troubled world that has lost its moral bearings. A variety of topics will be explored with two main purposes: (1) to establish an under-

standing of how we received the Bible from God, how it developed, and how it has been preserved through the centuries while remaining inerrant, and (2) to document that the Bible is correct, reliable, and true in every particular, thus fulfilling II Peter 1:3.

Bible 12 – Marriage and the Family

Length: One year

Required Senior course

A perspective far different from the popular humanist view of marriage. Based on the concept that God's Word gives guidance for daily living, the specifics of the roles of husband and wife are explored as taught and modeled in Scripture. Other related issues covered from a biblical perspective include: moral purity before marriage, child rearing, handling of finances, the meaning of love, the role of physical love, and effective principles of communication. Our purpose is to give young men and women vital and practical applications to all interpersonal relationships including the most intimate of marriage.

Philosophy

Length: One year

Required Senior Course

This course will attempt to develop a well-rounded, Biblically based philosophy of life in students. This

is done by comparing and contrasting the Christian worldview with that of secular humanism and Marxism, the most dominant philosophies in western civilization today. Students will be challenged to develop a well-constructed worldview that they can defend using Scriptures.

Business Education

Introduction to Business

Length: One semester

Freshman – Senior elective

Prerequisites: None

This course provides students with a realistic and meaningful educational experience designed to better prepare them for satisfying careers in business and success as a working citizen in a free enterprise system. The simulation emphasizes the paper flow and interrelationships involved in the buying and selling of goods and services, everyday decision-making and the need for good and ethical working relations in business. The experience of playing the role of manager of a business helps students develop an understanding of basic business operations and a positive attitude toward work.

Business Principles and Management

Length: One semester

Sophomore – Senior elective

Prerequisite: Introduction to Business

The purpose of this course is to provide a clear understanding of the characteristics, organization, and the operations of a business. Students will learn to appreciate the dynamics of the surrounding business community, understand the various levels of the business community, and be challenged to critically analyze decisions that face business personnel on a daily basis.

Accounting

Length: One year

Junior, Senior elective

Prerequisite: None

Foundational for the study of accounting at the college level, the student will also gain knowledge and skills necessary for careers in related business fields. Integrated into the curriculum will be the Biblical perspective of the value of balanced and orderly record systems, ethical decisions and global economies.

Computer

Computer Applications I

Length: One semester

Required course

Prerequisite: Keyboarding

Techniques and procedures needed to operate PC based software applications are taught and practiced. Special attention is given to basic word processing and spreadsheet operations. Upon completion, students will be equipped with a basic understanding of Word 2000 and Excel 2000.

Computer Applications II

Length: One semester

Freshman – Senior elective

Prerequisite: Computer Applications I

Students will be introduced to basic PC based presentation software. They will have the opportunity to construct database applications, multimedia presentations, and simple Web pages. A basic understanding of Access 2000, PowerPoint, and FrontPage is the focus of this course.

Computer Programming

Length: One semester

Sophomore – Senior elective

Prerequisite: Computer Applications II

PC based computer programming is introduced. Students will learn fundamental programming techniques, software design algorithms, and basic data structures. Upon completion, students will be able to design, code, and implement real world solutions within an event-based programming environment.

Database

Length: One semester

Sophomore – Senior elective

Prerequisite: Computer Programming I

An intensive study and practice of advanced database and application techniques. Students will have the opportunity to solve real world problems and situations within the database environment. The course will also include front-end design, data storage algorithms, and SQL programming. Upon completion, students will have the ability to create full-fledged Access 2000 applications.

Advanced Placement Computer Science

Length: One year

Junior – Senior elective

Prerequisite: Computer Programming I and Database

Advanced programming techniques. Students will master “high-end” data structures and programming algorithms. The course is very comprehensive and is intended for all students who are pursuing a career in computer science. Opportunities are available for hands on experience in networking and server-client environments, as well as extensive study in Java. Upon completion, students will have the ability to implement robust computer application and be prepared for future computer science study. Students are expected to take the AP exam which requires an additional fee.

English / Language Arts

English 9 – General

Length: One year

Prerequisites: English 8

This course is designed to assist students who have difficulties with the English language. The introduction of new composition skills will be combined with the development of grammar skills and the study of literature. The process of writing a research paper will also be introduced and reinforced. The literature portion of this course may include Romeo and Juliet & Great Expectations. The ability to look at literature from a Biblical perspective will be developed.

English 9 – Academic

Length: One year

Prerequisites: English 8

New composition skills and the process of writing a research paper will be introduced and reinforced while also developing grammar skills. The literature portion of this course may include *Romeo and Juliet*, *Great Expectations*, *The Odyssey* or *Animal Farm*. Students will analyze and interpret various genre of literature, develop a vocabulary of literary techniques, explore the interpretation of literature based on the values of Scripture, and enhance their vocabularies and interest in word etymologies.

English 9 – Honors

Length: One year

Prerequisite: English 8 with at least a “B” average and the teacher’s recommendation

An exposure to a variety of genres will be combined with instruction in the interpretation of literature from a biblical perspective while drawing parallels between students’ lives and the material. *Romeo and Juliet*, *Great Expectations*, and other major works will be studied.

Creative writing skills, the correct usage of grammar, and research skills will be emphasized including the process of writing a research paper. *Word Clues*, a study of Greek roots, prefixes, and suffixes with an emphasis on English derivations, will be emphasized for fifteen weeks.

English 10 – General

Length: One year

Prerequisite: English 9

Enhancement of basic English grammar and composition skills at sophomore level. Literary analysis will be

incorporated to develop critical thinking and synthesis skills. The literature portion of this course may include *The Pearl* and *Julius Caesar*.

Designed to master basic grammar skills as a foundation for effective communication. The analysis of literature utilizing basic literary terms and the construction of well-structured paragraphs with a wide variety of sentence types will be practiced. Emphasis placed upon ownership and personal responsibility.

English 10 – Academic

Length: One year

Prerequisite: English 9

This course is designed to help students understand and appreciate literature. The literature portion of the course includes the study of short stories, poetry, drama, essays, and biographies. Skills related to vocabulary, grammar, and composition include: identifying, analyzing, and interpreting key elements in works of literature; enlarging vocabularies; and improving communication skills through the continued study of grammar and composition. Some pieces of literature may include *The Count of Monte Cristo*, *To Kill A Mockingbird*, and *Julius Caesar*.

American Literature-Honors

Length: One year

Prerequisite: English 9H, or 9A with at least a “B+” average and teacher’s recommendation

This course is designed to facilitate and improve students’ critical thinking and analysis skills. These skills will be applied to a diversity of literary forms that they must analyze and evaluate philosophically, historically, and Biblically. Other areas to be studied

include: vocabulary enhancement, grammatical aptitude, essay form, research technique, and speech making.

Students will: enrich their vocabularies for the ACT/SAT test including a study of Latin roots in *Word Clues*; master analytical written communication as well as demonstrating these skills in oral discussions; learn to categorize artistic form by time, period, and theme; and learn characteristics of various American authors. Students will perform these tasks at an accelerated pace. The literature portion of the course may include selections such as *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *To Kill a Mockingbird*, and *Hamlet*.

American Literature-Academic

Length: One year

Prerequisite: English 10

This course is designed to facilitate and improve students’ critical thinking and analysis skills. These skills will be applied to a diversity of literary forms that they must analyze and evaluate philosophically, historically, and Biblically. Other areas to be studied include: vocabulary enhancement, grammatical aptitude, essay form, research technique, and speech making.

Students will: enrich their vocabularies for the ACT/SAT test; master analytical written communication as well as demonstrating these skills in oral discussions; and learn to categorize artistic form by time, period, and theme; learn characteristics of various American authors. The literature portion of this course may include sections such as *The Scarlet Letter* and *The Adventures of Huckleberry Finn*.

British Literature-Honors

Length: One year

Prerequisite: American Literature with at least a "B" average and teacher's recommendation

This course is designed to facilitate and improve students' critical thinking and analysis skills. These skills will be applied to a diversity of literary forms that they must analyze and evaluate philosophically, historically, and Biblically. Other areas to be studied include: vocabulary enhancement, grammatical aptitude, essay form, research technique, and a Word Clues study of Latin roots.

Students will: enrich their vocabularies for the ACT/SAT test; master analytical written communication as well as demonstrating these skills in oral discussions; learn to categorize artistic form by time, period, and theme; and learn characteristics of various British authors. Students will perform these tasks at an accelerated pace. The literature portion of the course may include selections such as *Ivanhoe*, *Macbeth*, *Wuthering Heights*, and *Tale of Two Cities*.

British Literature-Academic

Length: One year

Prerequisite: American Literature

An appreciation of English literature, taught from an historical approach, including such selections as *Beowulf*, *Canterbury Tales*, Elizabethan poetry, *Macbeth*, *Cry the Beloved Country*, and the *Tale of Two Cities*. The course also includes vocabulary, mechanics and composition.

Students will: be able to analyze and use key elements in literature such as metaphor, simile, irony, and charac-

ter; enlarge their vocabularies; improve communication skills through the study of composition; and increase their level of reading comprehension.

AP English Literature and Composition

Length: One year

Prerequisite: British Literature (A) with at least an "A" average and teacher recommendation or British Literature (H) with at least a "B" average

This course is designed to foster an appreciation for World Literature, taught primarily from a historical approach and encompassing the writings of authors such as Homer (Greek), Virgil (Roman), Dante (Italian), Cervantes (Spanish), Goethe (German), Dostoyevsky (Russian), Kafka (Czechoslovakian), Marquez (Columbian), and Achebe (Nigerian).

Students will learn to conduct seminar discussions appropriate for the collegiate level; analyze key literary techniques such as alliteration, metaphor, simile, irony, etc.; enlarge their vocabularies through the study of Latin roots and related English words; improve written and oral communication skills; and further develop understanding of sentence structure.

Students are expected to take the AP exam, which requires an additional fee.

World Literature

Length: One year

Prerequisite: American Literature and British Literature

This course is designed to foster an appreciation for World Literature, taught primarily from a historical approach and encompassing the writings of authors such as Homer (Greek), Virgil (Roman), Dante (Italian), Cer-

vantes (Spanish), Goethe (German), Tolstoy (Russian), Kafka (Czechoslovakian), Marquez (Columbian), and Achebe (Nigerian).

Students will be able to analyze key literary techniques such as alliteration, metaphor, simile, irony, etc.; improve written and oral communication skills; and further develop understanding of sentence structure.

Speech

Length: One semester

Required Senior course

Prerequisite: None

Speech introduces the student to the fundamentals of public speaking. This class will focus on establishing good habits designed to enhance their public speaking skills including: the process of choosing significant topics for a speech, the preparation of several speeches for class presentation, and the improvement of listening skills.

ACT /SAT Preparation

Length: One semester

Junior, Senior elective

Prerequisite: None

Designed to assist the student in successful scoring on the ACT. Test taking techniques and strategies will be explored and practiced on simulated tests for each of the four sections: Math, Science, Language and Reading. Grammar usage and punctuation will be reviewed and practiced. Reading comprehension will be enhanced by modeling and practice. A "hands-on" experience.

Creative Writing

Length: One year

Junior, Senior elective

Prerequisite: None

Designed to enhance and develop advanced writing skills. Focus is on the use of literary techniques such as metaphors, similes, personification, imaging, and alliteration. Techniques will be practiced by writing various types of poetry, short stories, newspapers, devotionals, and by the discipline of keeping a daily journal.

Fine Arts

Drama I

Length: One semester

Freshman – Senior elective

Prerequisite: None

This course will prepare the student to exercise his/her God-given ability to communicate various messages through characterization and creativity. Students will be asked to present improvisations, pantomimes, monologues, and scene cuttings. They will also participate in class activities that stress the principles of vocal, physical, and mental preparation.

ART

Introduction to 2D Art

Length: One semester

Freshman – Senior elective

Prerequisite: None

This course is for varied levels of ability. Students will be introduced to the basic elements and principles of design with much opportunity for application. Projects in a variety of creative mediums will be offered from drawing and collage work to painting, print-making, pastels and hanging mobiles. This is a great introductory class to art and the creative process!

Drawing

Length: One semester, fall

Freshman – Senior elective

Prerequisite: None

Students are introduced to drawing as an art form and taught a variety of skills: shading to show volume and dimension, highlighting, and elements of good composition. Subject matter ranges from still life and figure work to nature and portraiture. Students quickly gain advanced drawing skills in one semester with impressive results.

Painting

Length: One semester, spring

Freshman – Senior elective

Prerequisite: Drawing

This class builds upon the fundamentals learned in Drawing I, but then introduces the student to color theory and application. Painting in acrylic, watercolor, and ink are the mediums explored. A “studio” concept is employed, with each student working and painting within the class time with gratifying results!

Advanced Art

Length: One year

Sophomore – Senior elective

Prerequisite: Intro To 2D Art, Drawing and Painting

This course builds upon the fundamentals of design and the technical aspects acquired in previous classes. Further emphasis is placed upon advancing in skill level and the development of personal creative style. Works, both two-dimensional and sculptural, are completed within the year’s time. A greater exposure to art history and artists is also included.

Ceramics I

Length: One semester

Freshman – Senior elective

Prerequisite: None

In this course the student receives an introductory level exposure to the creative process with clay. They will become familiar with the process of ceramic production from wet clay to the finished ware. Each student will learn various techniques as demonstrated and practiced through the production of ceramic pieces in class. Projects will be both hand-built and created on the potter’s wheel. This makes for an exciting and satisfying experience!

Ceramics II

Length: One semester

Freshman – Senior elective

Prerequisite: Ceramics I

Each student will continue the creative process by advancing to larger and more technically involved pieces, both hand-built and on the potter’s wheel. This class has a greater focus on individual development of technique and creative style.

MUSIC

Band

Length: One year

Freshman – Senior elective

Prerequisite: Approval of instructor

The purpose of this course is to finish laying the foundation for students to be successful musicians and impact our world as a Christian musician. We will be doing this through daily classes, rehearsals, performances, touring, theory, aural skills, composing/arranging, music listening and music history.

Choir

Length: Semester

Freshman – Senior elective

Prerequisite: None

Students will learn vocal and performance skills, while improving their sight-reading ability and knowledge of general music theory. Throughout the course they will be challenged to place Christ as the focus of their ministry.

Introduction to Guitar

Length: One semester

Freshman – Senior elective

Prerequisite: Student must own an acoustic guitar

This course will focus on teaching the beginning guitar student to understand basic chords, finger picking, elementary strums, and reading notes from the staff. Students will be challenged to learn basic worship songs that can be used in a public setting.

Strings

Length: One year

Freshman – Senior elective

Prerequisite: Approval of instructor

This course will focus on string performance for the high school musician with the purpose of glorifying the Lord in everything we do. There are two major performances at school during the year and several other concert opportunities.

Foreign Language

German I

Length: One year

Freshman – Senior elective

Prerequisites: regular English curriculum with at least a "C-" average

The objective of this course is for students: to acquire a good pronunciation of the German language; to understand basic written and spoken German; develop a basic German

vocabulary for everyday situations; to study different German-speaking countries and the German culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

German II

Length: One year

Freshman – Senior elective

Prerequisites: two semesters of high school German I with at least a "C" average

The objective of this course is for students: to increase their knowledge of German vocabulary for everyday situations; to learn various verb tenses to better express the German language; to use the German language as often as possible; to study different German-speaking countries and the German culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

German III

Length: One year

Sophomore – Senior elective

Prerequisites: high school German II with at least a "C" average and foreign language teacher's recommendation

The objective of this course is for students: to increase their knowledge of German vocabulary and verb tenses; to better comprehend the speaking of German; to speak, read, and write German in a culturally authentic manner; to study different German-speaking countries and the German culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Spanish I

Length: One year

Freshman – Senior elective

Prerequisites: regular English curriculum with at least a "C -" average

The objective of this course is for students: to acquire a good pronunciation of Spanish; to understand basic written and spoken Spanish; to develop a basic Spanish vocabulary for everyday situations; to study different Spanish-speaking countries and the Spanish culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Spanish II

Length: One year

Freshman – Senior elective

Prerequisites: high school Spanish I with at least a "C" average

The objective of this course is for students: to increase their knowledge of Spanish vocabulary for everyday situations; to learn various verb tenses to better express the Spanish language; to use the Spanish language as often as possible; to study different Spanish-speaking countries and the Spanish culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Spanish III

Length: One year

Sophomore – Senior elective

Prerequisites: Completion of high school Spanish II with at least a "C" average and foreign language teacher's recommendation

The objective of this course is for students: to increase their knowledge of Spanish vocabulary and verb tenses; to better comprehend the speaking of Spanish; to speak, read, and write Spanish in a culturally authentic manner; to study different Spanish-speaking

ing countries and the Spanish culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Spanish IV

Length: One year

Junior, Senior elective

Prerequisites: high school Spanish III with at least a "B" average and foreign language teacher's recommendation

The objective of this course is for students: to increase and solidify their knowledge of Spanish vocabulary and verb tenses; to naturally converse in Spanish; to better speak, read, and write Spanish in a culturally authentic manner; to study different Spanish-speaking countries and the Spanish culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Spanish V

Length: One year

Senior elective

Prerequisites: high school Spanish IV with at least a "B" average and foreign language teacher's recommendation

The objective of this course is for students: to increase and solidify their knowledge of Spanish vocabulary and verb tenses; to naturally converse in Spanish; to better speak, read, and write Spanish in a culturally authentic manner; to study different Spanish-speaking countries and the Spanish culture; and to emphasize foreign language skills as a tool to spread the Gospel of Christ.

Mathematics

Pre-Algebra

Length: One year

Prerequisite: None

To ease the transition to algebra, this course provides a comprehensive review and continued practice of arithmetic while basic abstractions of algebra are introduced. Specific topics covered include: simple equations, adding, subtracting, multiplying, and dividing, ratios, integral exponents and roots, and negative numbers.

Algebra I

Length: One year

Prerequisite: Pre-Algebra

Algebra I forms the basis of the high school mathematics program. Specific topics include linear and quadratic equations, factoring, operations with algebraic fractions, systems of equations in two unknowns, functions and graphing, irrational numbers, and many story problems.

Geometry

Length: One year

Prerequisite: Algebra I

Geometry is the study of the Euclidean Space based on Birkhoff's postulation approach, and may well be the mainstay of mathematics education. The first semester's work covers basic terms and an effort is made to develop an understanding of traditional geometric proof and how deductive systems work. During the second semester, topics include: coordinate geometry, areas of polygonal regions, and constructions with straightedge and compass.

Academic Algebra II

Length: One year

Prerequisites: Algebra I and Geometry

Algebra II will devote significant time to review the content learned in Algebra I. Such in-depth topics are solutions of story problems, equations and factoring. Study of new topics includes: linear and quadratic equations, relations and functions, irrational numbers and exponential functions and logarithms. Designed to enhance the student's comprehension of basic algebra skills, the student will be prepared for either Trigonometry and Statistics or Pre-Calculus (pending proficiency exam).

Honors Algebra II

Length: One year

Prerequisites: Algebra I and Geometry with at least a "B" average

Honors Algebra II will devote significant time to enhancing algebra skills and preparing students for future calculus curriculum. Such in-depth topics are solutions of story problems, equations and factoring. Study of new topics includes: linear and quadratic equations, relations and functions, irrational numbers and exponential functions and logarithms. Designed to prepare students for Pre-Calculus.

Trigonometry and Statistics

Length: One year

Sophomore - Senior elective

Prerequisite: Algebra II

Designed to bridge any existing gap between Algebra II and Pre-Calculus. A pre-calculus student needing a background in functions and statistics will also find this course helpful. Logarithms, exponential growth, sequences, series, combinations,

permutations, polynomial functions (including parabolas, hyperbolas, ellipses, and circles), trigonometric identities, polar coordinates, statistics, transformations and binomial as well as normal distributions will be covered.

Pre-Calculus

Length: One year

Sophomore – Senior elective – Honors level

Prerequisites: Honors Algebra II with at least a “B” average or Algebra II with an “A” average

The course provides an in-depth analysis of trigonometry, logarithms, matrices, vectors, conic sections, plus an overview of differential and integral calculus. Successful completion of this course will prepare students for a college level Calculus class.

Calculus AB (Advanced Placement)

Length: One year

Junior, Senior elective

Prerequisite: Pre-Calculus with at least a “B” average

This course provides students with a thorough knowledge of analytical geometry and the algebra of elementary functions. Limits, derivatives, and the definite integral are studied together with related theorems and applications. The techniques of differentiation and integration as related to exponential, logarithmic, trigonometric, and inverse trigonometric functions are developed. Other topics include more advanced analytical geometric applications, mean value of a function, area between curves, volumes, surface area, and integration techniques. The course is designed to prepare students for the College Board Advanced Placement examination to be taken at the end of the course. Students are

expected to take the AP exam which requires an additional fee.

Calculus BC (Advanced Placement)

Length: One year

Senior elective

Prerequisite: Calculus AB

This course provides a full review of Calculus AB topics including basic differential and integral calculus methods. It also involves a study of advanced calculus topics including slope fields, Taylor series, and improper integrals. The completion of this course will give the student a calculus background equivalent of one full year of college calculus. The students will be prepared to take the Calculus BC exam in the spring and will also be involved with some teaching of lower level classes. Students are expected to take the AP exam which requires an additional fee.

Physical Education

Physical Education: PE 1A, PE 2A, PE 1B, and/or PE 2B

Length: One semester

Open to all levels; Required for Freshmen and Sophomores

Prerequisite: None

Each PE course will cover a variety of different units. All courses will include an introduction to strength training as well as physical fitness. The requirement for an incoming freshman is to have one semester of PE (1A or 1B) and then in 10th grade to pick up the second PE (2A or 2B). Graduation requirements are that each student needs two semesters of PE.

A freshman could take both semesters of PE, but only one semester would count toward the PE requirement.

Racquet Sports

Length: One semester

Junior, Senior elective

Prerequisite: Two PE courses

This course will introduce the students to a variety of racquet sports including: badminton, tennis, pickle ball, racquetball, etc. While the games are competitive, the environment is one of fun and low-pressure.

Strength & Conditioning

Length: Semester

Freshman – Senior elective

Prerequisite: None

The two main purposes of this course are: (1) Provide general conditioning methods that prepare the muscle system to meet the everyday demands of individuals who are not involved in competitive sports, and (2) Show how to improve athletic ability through strength and conditioning. The goal is also to provide the student with the most efficient and up-to-date methods of strength training. Finally, this course is for the student wanting to understand the scientific principles and practical applications of strength and conditioning.

Practical Arts

Driver’s Education

Length: One semester

Freshman – Senior elective

Prerequisite: At least age 15 ½ and parental consent

Driver’s Education is an elective course providing students ages 15 ½ or older with classroom and behind-the-wheel driving instruction and practice. The students will acquire the basic skills and attitudes necessary to handle a car and have the knowledge to prac-

tice safe driving. The course provides 30 hours of classroom instruction, 6 hours of in-the-car observation, and 6 hours of behind-the-wheel practice.

Sewing I

Length: One semester

Freshman – Senior elective

Prerequisite: None

This course is designed to teach beginning sewing and stitching skills. Students will gain the knowledge necessary to follow a pattern, and learn the basics of sewing by utilizing various types of equipment for assigned projects.

Sewing II

Length: One semester

Freshman – Senior elective

Prerequisite: Sewing I

This course will reinforce the sewing and stitching skills learned in Sewing I. Through the use of various types of equipment, students will take their knowledge and add new skills through the completion of more challenging projects.

Sciences

Physical Science

Length: One year

Prerequisite: Algebra I, enrollment recommended

Physical Science features an overview of all the sciences related to the physical world around us. Students will learn the foundations needed for the higher-level science courses including Chemistry and Physics. Specific topics include matter and energy, chemistry in the world, motion, force and energy, wave motion, and the electromagnetic nature of matter.

Biology

Length: One year

Prerequisite: Algebra I

This course will provide a general survey of the life sciences. Comparisons will be made of the different kingdoms, phylums, classes and orders of living organisms. The comparison of how these various fields are studied from both the creationist and evolutionary views will also be made. Using both models of origins, students will be taught to discriminate which view is being presented in a scientific manner. Students will participate in the dissection of various species. Areas of study include: Botany, Human Biology, Zoology, and Genetics.

Honors Biology

Length: One year

Prerequisites: Algebra I, Geometry (completion or enrollment), Physical Science with at least a "B" average

This course will provide a survey of the life sciences. Comparisons will be made of the different kingdoms, phylums, classes and orders of living organisms. The comparison of how these various fields are studied from both the creationist and evolutionary views will also be made. Students will be taught how to define information as to the worldview from which it is being presented. They will also receive information on both the anatomy and physiology of all organisms studied. Students will participate in the dissection of various species. Areas of study include: Botany, Human Biology, Zoology, and Genetics.

Chemistry

Length: One year

Prerequisites: Algebra I, Geometry (enrollment), Biology

Introduces the fundamentals of chemistry. Dimensional analysis, nomenclature, and the basics of the phases of matter will be covered along with teaching the recognition and usage of basic chemical formulas and equations.

Honors Chemistry

Length: One year

Prerequisites: Geometry, Algebra II (completion or enrollment); Biology with an "A" average or Honors Biology with at least a "B" average

An introduction to the basics of chemistry including what matter is, how the phases of matter exist, and characteristics of the classes of matter. The course also shows students how to make, recognize, and use chemical formulas and equations. Students will also be introduced to the fundamentals of inorganic, organic, and nuclear chemistry.

Anatomy and Physiology

Length: One year

Junior, Senior elective – Honors level

Prerequisite: Chemistry with at least a "B" average

Designed to give a deeper understanding of the parts and functions of the human body. A systems approach is used as the course is taught in six basic units: organization of the human body; support and movement; regulation of body activities; internal transport and defense; obtaining nutrients and oxygen, maintaining body fluids; and reproduction.

Physics

Length: One year

Junior, Senior elective

Prerequisites: Algebra II (completion or enrollment), Biology, Chemistry

This course provides an overview of motion, sound, light optics, electricity and magnetism. Students will have experience with hands on demonstrations and lab work. This class will prepare students to take honors physics.

Honors Physics

Length: One year

Junior, Senior elective-Honors level

Prerequisites: Algebra II, Pre-Calculus (completion or enrollment), Chemistry with an "A" average or Honors Chemistry with at least a "B" average

This course will provide a solid basis of understanding of classical physics. It will show how complex physical processes can be described mathematically and it will also provide laboratory experiments and demonstrations of a wide variety of processes. Motion and other aspects of mechanics as well as electricity and magnetism will be heavily emphasized, which will prepare students to take the advanced placement Mechanics C test in May. Taking the Advanced Placement test is optional in this class.

Advanced Placement Biology

Length: One year

Junior, Senior elective

Prerequisites: Algebra II, Biology with an "A" average or Honors Biology with at least a "B" average, , Chemistry with an "A" average or Honors Chemistry with at least a "B" average

This course is designed to be the equivalent of a first year college biology course for biology majors. The laboratory experience is a fundamental

part of this course and the student will work on several lab projects. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. There are three general areas covered: Molecules and Cells, Heredity and Evolution, and Organisms and Population. All topics may not be covered in class and, therefore, it requires doing substantial reading outside the classroom. Students are expected to take the AP exam which requires an additional fee.

Advanced Placement Chemistry

Length: One year

Junior, Senior elective

Prerequisites: Algebra II, Biology with an "A" average or Honors Biology with at least a "B" average, Chemistry with an "A" average or Honors Chemistry with at least a "B" average

This course is designed to be the equivalent of a first year college chemistry course for chemistry majors. It will be patterned closely after the suggested syllabus of the Advanced Placement program in chemistry. AP Chemistry is a lab intensive course that uses the twenty labs required by the AP curriculum. Additional labs may be carried out at appropriate times throughout the year. Each lab is directly related to the material covered in class. The course will stress oxidation states, enthalpy, gas laws, predicting reactions, activity series, equilibria, acid-base theory, kinetics, and physical chemistry. Some topics will not be able to be covered in class and so students will be required to put in substantial reading time outside of class to meet the requirements. Stu-

dents are expected to take the AP exam which requires an additional fee.

Social Sciences

Western Civilization

Length: One year

Prerequisite: None

An overview of European history dating from Rome to the present. From an historical viewpoint, the natural progression of man's relationship with society will be explored. The course will attempt to demonstrate to students the interconnectedness between time, man, and God.

Honors Western Civilization

Length: One year

Prerequisite: Overall G.P.A. of 3.0 or better during freshman year

An accelerated approach examining European history from Rome to the present. This course will thoroughly examine the natural progression of man's relationship with society from an historical viewpoint. Students are required to analyze primary documents in order to gain a better awareness of events and people. The course will attempt to demonstrate to students the interconnectedness between time, man and God.

United States History

Length: One year

Prerequisite: None

This course seeks to combine chronological and thematic approaches to historical information. The flow of events within the nation's development is discussed as well as recurring themes connected with this flow. Thematic emphasis is given to: Manifest Destiny, Expansionism, Nationalism, Sec-

tionalism, Federalism, States Rights, Immigration, and Paternalism.

Advanced Placement United States History

Length: One year

Prerequisite: World History with an "A" average or Honors World History with at least a "B" average

This course is designed for the college-bound student with the format and workload planned accordingly. Major emphasis is placed on the following thematic connections through American History: Expansionism, Reform, Federalism, Sectionalism, and Nationalism. Interpretation of historical data is emphasized through the writing of weekly essays which are read and critiqued in class. Students are required to take an Advanced Placement exam in May toward earning college credit. Students are expected to take the AP exam which requires an additional fee.

Government

Length: One semester

Prerequisites: World History and U.S. History

An overview of federal, state, and local governments. The federal governmental structures of executive, legislative

and judicial branches are discussed and evaluated. The initial weeks of the course focus on the nature of man and a comparative evaluation of governmental systems from Biblical perspectives.

Advanced Placement Government & Politics: US

Length: One year (this course will also fulfill the Social Studies elective requirement)

Prerequisite: U.S. History with an "A" average or Advanced Placement U.S. History with at least a "B" average

This course is a combination of the American political theory and constitutional law. Lesser emphasis is placed on governmental functions. The content is divided into six sections: historical foundations of American political system; the constitutional era; constitutional values and institutions; the Bill of Rights; expansion of rights; and citizenship roles. These six content areas are studied within the context of the federal government. A brief explanation of economic concepts will also be included. Students are expected to take the AP exam which requires an additional fee.

American Presidency

Length: One semester

Senior Social Science elective

Prerequisites: World History and U.S. History

This course is designed to discuss the evolving American presidency from its creation to its present day. The historical significance of the Executive office will be studied, accompanied by the functions and powers of the Commander-in-Chief. A major portion of the semester will be spent studying the presidency from a thematic approach by which the presidencies will be analyzed and critiqued.

Sociology

Length: One semester

Junior, Senior elective

Prerequisite: None

This course is an overview of the basic components of society. The American society serves as the basis for most of the discussion. Topics such as family structure, socialization, mobility, status, religion, schooling, aging, and adolescence are explored. Students will be exposed to these topics as well as some of the types of research methods utilized by working sociologists.