

For all courses marked with * an application is required.

All weighted courses and the amount of their corresponding weights are indicated.

COMMUNICATIONS

012/013 COMPOSITION- Freshmen - 1 cr.

Content-This course is designed to provide the opportunity for students to improve upon competencies in reading, writing, speaking, and listening. Individual attention is given for continued acquisition of reading and writing skills. Students will read and write frequently. Writing assignments will focus on the writing process. Students will continue to acquire grammar skills and broaden their vocabularies.

*015 INTEGRATED ENGLISH (H) - Freshmen - 1.5 cr.- Weighted 1.04

Application required

Content- This course focuses on critical reading, analytical writing, and language skills with immediate relevance for students' current and future work both inside and outside of the classroom. This Pre-AP classroom trains the reader to observe textual details to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting essays that facilitate and demonstrate complex thinking. Reading selections allow students to examine various genres and to appreciate authors' choices while developing a greater awareness of how words produce effects and how the conventions of the English language are utilized for both precision and style. Summer reading is required.

077 NEWS WRITING & REPORTING - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Content- This course provides an introduction to writing news articles for print and electronic media. The course aims to evaluate the newsworthiness of information and events and to develop writing in the journalistic style.

079 VIDEO PRODUCTION – Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Content- This course is designed to teach the basic production and editing techniques of cinematography. The course immerses students in a technological environment of both live and recorded performances. Students will explore video production through hands-on experience.

SOCIAL STUDIES

106/107 AMERICAN HISTORY - Freshmen - 1 cr.

Content – This course is designed to provide a rigorous, in-depth knowledge of American history from Reconstruction through 1945. Major themes of this course will include the Reconstruction Period, World War I, the Roaring Twenties, the Great Depression, and World War II. Course objectives will be achieved through various types of oral/written presentations and research projects.

*108 AMERICAN HISTORY (H) - Freshmen - 1 cr.

Application required

Content – This course is designed to provide a rigorous, in-depth knowledge of American history from Reconstruction through 1945. Major themes of this course will include the Reconstruction Period, World War I, the Roaring Twenties, the Great Depression, and World War II. Course objectives will be achieved through various types of oral/written presentations and research projects.

148 HUMAN GEOGRAPHY - Freshman, Sophomores - 0.5 cr.

This curriculum is designed as an introductory course. The course is structured around seven major topics: Geography: Its Nature and Perspectives; Population; Cultural Patterns and Processes; Political Organization of Space; Agricultural and Rural Land Use; Industrialization and Economic Development; and Cities and Urban Land Use. Students will analyze case studies and develop their critical and analytical skills by interpreting data, charts, population distributions, and geographic patterns and models.

WORLD LANGUAGES

241 SPANISH I - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Content – This course covers the necessary basics of Spanish grammar combined with a vocabulary which will permit the student to converse on an elementary level. Lessons will be integrated with cultural discussions. . Students will be expected to do homework on a regular basis.

243 SPANISH II - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Prerequisite — Spanish I

Content – This course will enable the student to build on his foundation of the language through practice in listening, speaking, reading, and writing. Videos of various native speakers will be utilized to help students learn proper pronunciation and to improve listening skills.

281 JAPANESE I – Freshmen, Sophomores, Juniors, Seniors – 1 cr.

Content - This introductory course in Japanese language provides basic communication skills in Japanese. This course is designed for high school level students who have no prior experience in the Japanese language and are interested in learning basic Japanese as well as culture such as origami, food, and game. Throughout the course, students will develop four language skills: listening, speaking, reading and writing. Japanese characters, Hiragana, Katakana, and Kanji, will be taught and practiced in the class

MATHEMATICS

315/321 ALGEBRA 1 – Freshmen - 1 cr.

Content – This course provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. The main goal of this course is to provide students with a thorough and extensive study of linear functions, graphing on the xy-coordinate system, and factoring. The concept of a function is emphasized throughout the course. By the end of this course, students will have all the knowledge necessary to solve and graph equations and inequalities as well as apply exponent rules to solve problems. They will then be able to apply this knowledge to other areas of math. *Students will participate in the Algebra Keystone Exam at the end of this course.*

332 PLANE GEOMETRY - Freshmen, Sophomores - 1 cr.

Prerequisite – Algebra I

Content – This course develops inductive reasoning and applies it to topics of perpendicular and parallel lines and planes. This includes a study of polygons (particularly triangles) with emphasis on congruency and similarity. Topics include circles and the relationship between the measurements of certain arcs, angles, and segments. Problems involving areas of plane figures and volumes of solids are also covered.

*333 PLANE GEOMETRY (H) – Freshmen – 1 cr. – *Weighted 1.04*

Prerequisite – Algebra I, Application Required

Content – The traditional geometry curriculum along with more in-depth proof, algebra and logic. Additional topics include truth tables, Venn Diagrams, technology based inductive/deductive reasoning done with basic programming of the TI-84+ graphing calculators. This will give a foundation to a future STEM student or those interested in taking AP Calculus and AP Computer Science. Students will learn how to write basic programming code for beginning programs.

340 ALGEBRA 2 – Sophomores, Juniors, Seniors – 1 cr.

Prerequisite – Algebra I

This course will provide a continued study of the Algebra I concepts with an emphasis on radicals, irrational numbers, polynomial functions, systems, and quadratic relations.

*341 ALGEBRA 2 (H) – Freshmen, Sophomores - 1 cr. – *Weighted 1.04*

Prerequisite — Algebra I, Application required

This course will provide a continued study of the Algebra I concepts with an emphasis on radicals, irrational numbers, polynomial functions, systems, and quadratic relations. The course also explores more challenging problems.

SCIENCE

404/405 ECOLOGY – Freshmen – 1 cr.

Content - This course contains an overview of environmental topics including biomes and diversity, population ecology, pollution, agriculture, water quality, and energy.

*407 INTEGRATED SCIENCE (H) – Freshmen – 1.5 cr. – *Weighted 1.04*

Application Required

Content – Taught on an honors level, this course provides an overview of important ecological concepts as well as the entire Biology I curriculum. Topics covered include ecological relationships and changes, evolution of species, genetic theory, and the relationship between structure and function at all levels of organization among living things.

BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

505 FOUNDATIONS OF CAREER READINESS – Freshmen - 0.25 cr.

Content - Students will develop career exploration skills by taking interest surveys, understanding the 8 learning styles, and participating in career activities and career clusters. Students will learn soft skills needed for securing and keeping a job. This course is designed to expose students to the principles, concepts, and procedures relating to personal interest, skills and abilities, workplace communication, career exploration, computer applications, soft skills and choice of career pathways. *This course will meet daily for one marking period as part of the Freshman Foundations courses.*

525 BUSINESS CONCEPTS - Freshmen and Sophomores – 0.5 cr.

Content - Students will explore the small business environment and related basic economic concepts. They will also evaluate their interests, skills, and abilities as potential entrepreneurs. In addition, students will complete basic studies in accounting, office note-taking, business law and management, computer applications, and other areas of study related to the business world.

528 INTRO TO COMPUTER APPLICATIONS - Freshmen, Sophomores - 0.5 cr.

This course will introduce students to computer concepts used for problem-solving and productivity. Topics covered include the Microsoft Office suite and will utilize word processing, spreadsheets, databases and presentation software.

530 INTRO TO WEB DESIGN & GRAPHICS - Freshmen and Sophomores - 0.5 cr.

This course is intended to teach students the fundamentals of web development and graphic design in a project-based learning environment. Students are taught the basic elements of web design, file organization, the development process and incorporating and creating graphics using an image-editing software program.

575 INTRODUCTION TO COMPUTER SCIENCE – Freshmen, Sophomores - 0.5 cr.

Content - This introductory course is designed to give students a brief introduction to the field of computer science and the fundamentals of computer programming. This course is specifically designed for students with no prior programming experience and touches upon a variety of fundamental topics. This course exposes students to a variety of program languages to demonstrate those topics. Students are encouraged to take this class prior to Computer Science I.

PRACTICAL ARTS

601 BASIC FOODS AND NUTRITION - Freshmen, Sophomores, Juniors - 0.5 cr.

Content – Basic Foods and Nutrition is a “Boot Camp” of cooking. It is a course designed to offer students practical experience in making healthy food choices, using proper sanitation procedures, preparing quick and easy foods, and exploring jobs in the food industry. Teamwork, following directions, and problem solving are important elements of the class. In this class, we will start from scratch (both literally and figuratively) in learning the basics of the kitchen. Cooking at least once a week after completion of safety units, students learn the fundamentals of the kitchen, while making informed decisions about what they eat. *Course meets for one semester.*

607 TASTES OF CULTURE - Freshman, Sophomore, Junior, Senior - 0.5 cr.

Prerequisite - Basic Foods and Nutrition

Content - Tastes of Culture class explores the connections between what we eat and cultures around us. As we move around the globe, this course will cover the history and topography as it relates to each region's dietary customs, cuisines and cooking methods. By investigating cultural, spiritual and social influences on food choices, students gain an awareness and understanding of diverse populations within our society. *Course meets for one semester.*

640 INTRODUCTION TO THE TRADES - Freshmen, Sophomores, Juniors, Seniors - 0.5 cr.

This course will introduce students to basic trades, wood working, plumbing, and residential electrical. The class will focus on hands-on training, safety, theory, and basic procedure dealing with trades. Projects will be assigned and are mandatory for all students.

645 INTRODUCTION TO ENGINEERING – Freshmen, Sophomores, Juniors, Seniors – 1cr.

Content – This a hands-on theory class that covers the topics of electronics, civil engineering, and community build. Students will use the design and problem-solving methods to complete projects. Students will build and test circuits, bridges, and solve various design and construction problems. Each student will be required to use basic tools and construction techniques.

646 MECHANICAL DRAWING - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Content – This course is designed to help students learn to visualize in three dimensions, to develop and strengthen their technical imagination, to think precisely, to read and write the language of the industries. Students will be introduced to the concepts of Computer-Aided Drafting and Design and related technology, and will gain experience completing working drawings according to modern commercial practice. This course provides a basic study of the theory of shape description.

FINE ARTS

702 ART I – Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Content – This course will provide creative experience with a wide variety of drawing, painting, printmaking, sculpture, and craft mediums while examining their use in historical and contemporary contexts.

721 MEN'S CHORUS - Freshmen, Sophomore, Junior, Senior Men - 1 cr.

Content – This course is designed to develop the skill and technique necessary for good singing. Students learn to sing in unison, two-part, three-part, and four-part male harmony. Music materials are representative of different backgrounds: popular, folk, classical, patriotic, and modern music will be included. Periodic concerts are held in an effort to attain the highest degree of proficiency possible.

731 WOMEN'S CHORUS - Freshmen, Sophomore, Junior, Senior Women - 1 cr.

Content – This course is designed to develop vocal skills in sight reading, diction, phrasing, intonation, and rhythmic response. Music materials are selected from the classic, sacred, and secular compositions and contemporary music including popular and Broadway musicals. Periodic concerts are held in an effort to attain the highest degree of proficiency possible.

751 MUSIC APPRECIATION – Freshmen - 0.25 cr.

Content – This course is designed to acquaint the student with various styles and types of music ranging from the early periods of music to the contemporary. Attention will be given to American music including jazz, rock n' roll, and the Broadway musical. Emphasis will be placed on activating the students' perception of music through active listening. *This course will meet daily for one marking period as part of the Freshman Foundations courses.*

771 BAND - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Prerequisite - Student membership is selected through audition.

Content – This course places emphasis upon musicianship, musical disciplines, and precise execution, both on and off the concert stage. Periodic concerts are held in an effort to attain the highest degree of proficiency possible.

775 STRING ORCHESTRA - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Prerequisite - Student membership is selected through audition.

Content – This course places emphasis upon musicianship, musical disciplines, and precise execution, both on and off the concert stage. Periodic concerts are held in an effort to attain the highest degree of proficiency possible.

776 BAND/STRING ORCHESTRA - Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Prerequisite - Student membership is selected through audition.

Content – This course places emphasis upon musicianship, musical disciplines, and precise execution, both on and off the concert stage. Periodic concerts are held in an effort to attain the highest degree of proficiency possible. This course should be selected by students who want to participate in band and string orchestra.

777 SWING CHOIR – Freshmen, Sophomores, Juniors, Seniors - 1 cr.

Prerequisite - Student membership is selected through audition.

Content – Students will develop skills in all aspects of choral singing as well as choreography, staging, set design, costumes, makeup, sound, and lighting technology.

780 CLASS PIANO I – Freshmen, Sophomores, Juniors, Seniors – 0.5 cr.

Content – This course is designed for the student with no prior experience playing piano, but with great interest in learning the basics of music including (but not limited to) note names, staff, treble clef, bass clef, time signatures, and note values. Once there is an understanding of the basic musical concepts, students will work on keyboards with the

intent of being able to perform a 3 minute piece by the end of the year. *Course meets every other day for the entire year.*

*784 WIND ENSEMBLE (H) - Freshmen, Sophomores, Juniors, Seniors – 1 cr. - Weighted 1.04

Prerequisites – At least 1 year of Band (Middle or High School) and a successful audition.

Wind Ensemble is open to instrumentalists in grades 9 through 12 who want to further their study of instrumental music, and develop their personal musicianship through an extensive exposure to significant and new compositions in the wind band. Advanced literature, at the collegiate level will be studied and performed as well as an extensive research project on a topic of the student's choice within the wind band medium. In addition to rehearsing solo and chamber compositions, all students must audition for District Band.

HEALTH/PHYSICAL EDUCATION

808 HEALTH/SAFETY EDUCATION - Freshmen - 0.25 cr.

This course is concerned with human life and stimuli conducive or detrimental to the total welfare of the individual. Students receive concentrated work in human physiology, anatomy, and other health sciences designed to promote acquisition of proper concepts in regard to personal, family, and community health. *This course will meet daily for one marking period as part of the Freshman Foundations courses.*

809 PHYSICAL EDUCATION - Freshmen - 0.25 cr.

This course provides instruction in individual fitness and team activities. Games, drills, calisthenics, weight lifting, dance, and other recreational activities are included in the curriculum. Students are brought together for co-educational games, dances, and classes. *This course will meet daily for one marking period as part of the Freshman Foundations courses.*

830 INTRO TO ATHLETIC TRAINING - Freshman, Sophomores - 0.5 cr.

This course focuses on the basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work and hands-on application. Students will become familiar with the concepts relevant to sports medicine. Students will learn to prevent, treat, and evaluate athletic injuries and maintain an efficient, professional athletic training facility.

831 INTRO TO HEALTH PROFESSIONS - Freshman, Sophomores - 0.5 cr.

This is an introductory course designed to provide students with an overview of the healthcare careers and foundational skills to begin their journey towards the future as a healthcare professional.