

Elmwood High School

Course Catalog

2022-2023



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Graduation Requirements

<u>Course</u>	<u>Years</u>	<u>Credits</u>
English	4 Years	4.0
Mathematics	4 Years	4.0
Science	4 Years	4.0
Social Science	2.5 Years	2.5
Physical Education / Health	4 Years	4.0
Software Applications / Keyboarding	1 Year	1.0
Foreign Language / Vocational / Fine Arts	3 Years	3.0
Driver's Education	1 Semester	0.5
Resource Management	1 Semester	0.5
American Government*	1 Semester	0.5
Electives		2.0
Total Credits		26.0
<small>*Must pass Illinois and Federal Constitution tests.</small>		

ENGLISH

ENGLISH I

Grade 9--Two Semesters

Credit: 1.0

English instruction at the freshmen level includes grammar review with several new concepts introduced, a study of short stories with literary terms, journal entries, oral demonstrations, and analysis of Shakespeare's Romeo and Juliet, and a study of Charles Dickens' Great Expectations. Writing is emphasized in this class using the FSOCI method.

ENGLISH II

Grade 10--Two Semesters

Credit: 1.0

Prerequisite: English I

English II provides sophomores with continued instruction in the areas of reading, writing, speaking, listening, and language. Students respond to reading through an evidence-based approach grounded in research and text dependent analysis, and they continue their progression and study of complex texts with regular practice reading and responding to material near college and career level texts. The study of literature includes texts from multicultural authors in a variety of genres: short stories, memoirs, poetry, and drama. Students also build knowledge through content-rich nonfiction and informational texts. With a focus on writing to a source, students write careful analyses, well-defended claims, and clear informational essays. In class, students participate in group discussions, class readings, and instructional presentations by taking notes and answering questions. Instruction on public speaking is also included and involves student presentations and individual speeches.

ENGLISH III

Grade 11--Two Semesters

Credit: 1.0

Prerequisites: English I and II

English instruction at the junior level includes a review of the basic concepts of grammar with emphasis on the more complicated constructions, writing with emphasis on five paragraphs, persuasive and expository papers, and a short research paper. American literature is studied.

ENRICHED ENGLISH III

Grade 11—Two Semesters

Credit: 1.0

Prerequisite: Completion of English 10 with a grade of A or B OR teacher recommendation

Enriched English is focused on American authors and what they have contributed to our society. In addition to the textbook, Enriched English students will be reading at least one novel per grading period. Many genres of literature will be explored including drama, short story, poetry, essays and novel texts. A focus on the development of more sophisticated writing skills will be provided with an emphasis on grammar and improved vocabulary usage. This course is weighted and students are expected to do college level work.

ENGLISH IV

Grade 12--Two Semesters

Credit: 1.0

Prerequisites: Eng I, II, & III

English IV provides seniors with instruction in the areas of reading, writing, speaking, and listening. The course will focus on British literature and emphasize the major authors and works from the Anglo-Saxon to the modern period. Significant units of study will include, but are not limited to: Chaucer's *The Canterbury Tales*, Milton's *Paradise Lost*, and Shakespeare's *The Tragedy of Macbeth*. Composition in the course will consist of technical, personal, and creative writing assignments ranging from analytical research to reflective journals. In class, students will actively participate in group discussions, class readings, and instructional presentations by taking notes and answering questions. As preparation for collegiate and professional careers, students will participate in group presentations, present individual speeches, and produce professional documents.

HONORS ENGLISH IV

Grade 12—Two Semesters

Credit: 1.0

Prerequisite: Enriched English III or teacher recommendation

This course will follow a path similar to English IV but will be more strongly focused on the writing element. It will also focus on the demands of college level literature including but not limited to mastering a British Canon list and a thorough understanding of the various genres of literature. This course is weighted and students are expected to do college level work.

ENGL 110 Composition I

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

This course progresses the student from writing expressive compositions (expressing the ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is referential.

ENGL 111 Composition II

Grade 11-12--One Semester

Credit: .5

Prerequisite: Successful completion of Eng 110

This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative.

GENRE FICTION

Grades 10-12--Two Semesters

Credit: 1.0

In this year-long course, we will focus on one genre of fiction per quarter. Genres will include horror, science fiction, mystery, and one quarter spent in a genre that students in the class choose. Students will read a mixture of short stories and full-length novels that demonstrate the literary elements that define each genre. There will be regular classroom discussions as well as individual projects that will give students opportunities to analyze characters and themes present in the chosen literature. Additionally, students will complete 2-3 writing and presenting assignments per quarter that consist of researching famous names within their genre, literary devices that are important to that genre, and writing original pieces that fit within that quarter's genre as well.

SPEECH

Grade 9, 10, 11, 12--One Semester

Credit: 5

Prerequisite – None

This class is designed to enable students to become comfortable and competent communicating in a public forum. Through the study of communication theories and practical applications, students' knowledge of communicating and their ability to do so will improve throughout the semester. Interactive speaking and acting games, prepared presentations, and impromptu speeches will provide students with a variety of opportunities to practice speaking in front of others. All six of the Common Core State Standards for Speaking and Listening will be assessed. The types of speeches given will include, but are not limited to the following: informative, persuasive, multimedia, group persuasive and oral interpretation

FINE ARTS

BAND

Grades 9-12--Two Semesters

Credit: 0.5/semester

This class is technically open to any student having sufficient skills with a band instrument. From this group, the school is provided with a concert band, marching band, and pep band. Students are required to participate in: 4-5 formal concerts, football & basketball games, 3 parades, pep rallies and other performances, which present themselves during the year.

CHORUS

Grades 9-12--Two Semesters

Credit: 0.5/semester

The goal for this class is to present a wide variety of choral literature enabling the student to gain a higher level of musical appreciation, literacy, and vocal skill through instruction of proper music theory, and vocal and performance techniques. Students are required to participate in a minimum of five performances outside of the

school day per year and the choir may have a few performances during the school day per year. Opportunities for solo and small group performances are available and students are encouraged to participate in these activities. Students will be assessed on daily class participation and attendance at concerts.

MUSIC APPRECIATION

Grades 9-12—Two Semesters

Credit: 1.0/semester

Students will explore music in its many forms. This course will focus on music theory as found in Western Art music, incorporating listening, analysis, and history. Students will learn about notable composers & their styles, in addition to common music vocabulary so as to understand & discuss music in an informed fashion. Emphasis will also be given in understanding music's vital role in human development and the importance of music in our everyday lives.

ART I

Grades 9-12--Two Semesters Each

Credit: 1.0

Class Requirements: \$35 lab fee and sketchbook

The focus of Art I is to provide working knowledge of the elements and principles of design through a variety of hands-on projects in various materials and processes, as well as an appreciation of our artistic heritage (both western and oriental) through discussion, reading, lectures, and various presentations. Sketch books will be required to encourage creativity and develop drawing skills.

ART II, III, IV

Grades 10-12--Two Semesters Each

Credit: 1.0

Class Requirements: \$35 lab fee & sketchbook

The focus of the art courses (2-4 level) is to expand upon working knowledge of the elements and principles of design through a variety of hands-on projects in various materials and processes, as well as an appreciation of our artistic heritage through discussion, reading, lectures, and various presentations. Additionally, students will gain an understanding of the creative process through: visual problem solving, brainstorming, editing, re-working and reflection. Students will explore self-expression and various media in depth, through a series of guided and open-ended assignments that increase with difficulty each year. Students must be able to work independently on assignments tailored to their interests and strengths. Sketch books are a requirement of the course.

3-D DESIGN

Grades 11-12--One Semester

Credit: 0.5

Class Requirements: \$20 lab fee

This course will explore art in the 3-dimensional form through a variety of mediums including but not limited to textiles, bookmaking, ceramics, jewelry, glass, glass fusing, plaster, and 3-D printing. Emphasis will be on basic design elements, function, aesthetics, creativity and craftsmanship using essential vocabulary and exploring art history from various perspectives. Students will participate in a wide range of problem solving experiences using additive or subtractive sculptural techniques design to build artistic and creative confidence.

DIGITAL PHOTOGRAPHY

Grades 11-12--One Semester

Credit: 1.0

Class requirements: Digital camera and \$35 lab fee

Digital Photography is a semester course that focuses on the understanding of the basic operations and functions of the digital single lens reflex camera and the manipulations of its settings to achieve a specific result. Students will learn about photographic elements of the art and principles of design with a focus on composition. Students will learn photo editing techniques and digital manipulations using Adobe Photoshop and Lightroom, with a focus on archiving, organizing and enhancing their photographs. Students will learn how to manage and creatively alter images as well as critical analysis of the visual media as a means of communication. Students will need a digital camera; a point and shoot or preferably a digital single lens reflex camera.

FOREIGN LANGUAGE

SPANISH I

Grades 9-12--Two Semesters

Credit: 1.0

Prerequisite: Must successfully complete first semester to move on to second semester

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

SPANISH II

Grades 10-12--Two Semesters

Credit: 1.0

Prerequisite: Successful completion of Spanish I

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Several short stories are read. These stories focus on Hispanic legend, culture and history and are designed for beginner/novice readers. Students

usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

SPANISH III

Grades 11-12--Two Semesters

Credit: 1.0

Prerequisite: Successful completion of Spanish I & II

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. Emphasis is placed on more in depth historical and cultural readings as well as news articles from the Hispanic world. The course is weighted and students will be performing beginning level college work.

SPANISH IV

Grades 12--Two Semesters

Credit: 1.0

Prerequisite: Successful completion of Spanish I & II & III

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. Students will continue to read short stories. Emphasis will be placed on short impromptu conversation. Advanced grammatical structure is stressed and is designed to help students prepare for college placement exams.

MATHEMATICS

ALGEBRA I

Grade 9--Two Semesters

Credit: 1.0

Prerequisite: None

The purpose of this class is to develop the real number system. The class is characterized by the use of variables and operations relating these variables.

GEOMETRY

Grade 10—Two Semesters

Credit: 1.0

Prerequisite: Algebra I or Technical Algebra II

The class will develop the plane geometry system. Students will apply geometric concepts to algebra, statistics, data analysis, and probability.

ALGEBRA II

Grades 10-12--Two Semesters

Credit: 1.0

Prerequisite: Algebra I & Geometry

The purpose of this class is to complete the development of the real number system, which was begun in Algebra I . The first semester will focus on extending the concepts learned in Algebra I while the second semester will concentrate on nonlinear equations, logarithms, probability, statistics and the complex number system.

TECHNICAL ALGEBRA I/II

Grades 11 - 12--Two semesters

Credit: 1.0

Prerequisite: Algebra I

This course includes material that focuses on arithmetic operations, problem-solving techniques, estimation of answers, measurement skills, geometry, data handling, simple statistics, and the use of algebraic formulas to solve problems. The emphasis of the course is on the ability to understand and apply functional mathematics to solve problems that students might encounter in the workplace. The course will employ the use of video, print, hands-on laboratories and practical problem-solving activities.

TECHNICAL ALGEBRA III

Grades 11 - 12--Two semesters

Credit: 1.0

Prerequisite: Technical Algebra I/II or permission of the instructor

This course is a continuation of Technical Algebra I & II. It will include work on basic algebra skills, geometry, and an introduction to trigonometry. The course will employ the use of video, hands-on laboratories, and practical problem-solving activities.

MATHEMATICAL LITERACY

Grade 12 --One semester

Credit: .5

Prerequisite: Algebra I

This course is a one semester course for non-math and non-science majors integrating numeracy, proportional reasoning, algebraic reasoning, and functions. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Throughout the course, college success content will be integrated with mathematical topics. Upon successful completion of the course, students will be prepared to take MATH 110 or MATH 111 at ICC.

ADVANCED BUSINESS MATH

Grades 12--One semester

Credit: .5

Prerequisite: Algebra I

This course is designed to develop the ability to solve real world problems in order to become more productive citizens in a technological society. Areas of study include: number relationships, and operations; patterns and algebra; measurements; statistics and probability. Problem-solving applications will be used to analyze and solve business problems for such areas as taxation; savings and investments; payroll records; cash management; financial statements; purchases; sales; inventory records; and depreciation. The other focus is on personal finance. Areas of study will include: personal financial planning, financial services, budgeting, investments, insurance protection, credit management, consumer purchases, rights and responsibilities for all aspects of life as consumers, producers, entrepreneurs and economic citizens.

INTRO TO TRIGONOMETRY

Grade 11-12--Two semesters

Credit: 1.0

Prerequisite: Algebra II

This course is designed for students who have successfully completed Algebra II and who are not going to choose Trigonometry/Pre-calculus or Calculus for their senior math requirement. The structure of this course will focus on a continuation of Algebra skills which include manipulation and solving of polynomial and rational functions. This course will also include an introduction into right triangle trigonometry, basic trig functions, graphing trig functions with both degrees and radians, basic trigonometric identities, vectors, polar coordinates and complex numbers. The last section of the class will cover an introduction to Calculus including limits, derivatives & anti-derivatives.

General Probability and Statistics

Grades 11-12 -- Two Semesters

Credit: 1.0

Prerequisite: Algebra II

This course is a year long course and is offered as a 4th year math credit for those who have earned at least a B in Algebra 2. This course will focus on analyzing, interpreting, and presenting quantitative data. In a world where many decisions are being informed based on data, this class has high relevance. Topics of study include general probability and statistics, discrete probability, odds, probability trees, populations and samples, sampling methods, displaying data, and measures of central tendency and variability. Types of distributions will also be covered, with a focus on the normal distribution.

TRIGONOMETRY

Grades 11-12—One semester

Credit: .5

Prerequisite: Algebra II

Trigonometry is the study of angles, triangles, circular function, and their relationships. Topics covered are: radian and degree measure, trigonometric functions of a circle and a triangle, identities, polar coordinates, and complex numbers. This course is weighted and students are expected to do college level work.

PRE-CALCULUS

Grades 11-12—One semester

Credit: .5

Prerequisite: Trigonometry

Pre-calculus students will study various topics such as: functions, coordinate geometry, logarithms, probability, statistics, and an introduction to calculus. This course is weighted and students are expected to do college level work.

CALCULUS

Grades 11-12—Two semesters

Credit: 1.0

Prerequisites: Trigonometry and Pre-Calculus

The study of calculus has been a core subject area of science and engineering for many years and is now included as an important topic in many other disciplines. The students will study differential and integral calculus. This course is weighted and students are expected to do college level work.

PHYSICAL EDUCATION/HEALTH

FRESHMAN HEALTH

Grade 9--One Semester

Credit: 0.5

This semester class is designed to make each student realize that in order to be healthy, a person must maintain a high degree of physical, mental, and social well being, and make certain decisions or take certain actions that can influence the level of his or her health.

PHYSICAL EDUCATION

Grades 9-12--Two Semesters

Credit: 1.0

The physical education program is a health-based, life-long fitness oriented curriculum. Students will take part in a 30 minute fitness plan based on all of the five fitness related components, with the goal to improve their overall level of fitness. During the remaining class time, students will take part in a wide variety of activities, games, or sports that provide for future endeavors.

SCIENCE

BIOLOGY I

Grade 9--Two Semesters

Credit: 1.0

Biology I is a class that looks at a variety of introductory biological concepts such as classification, genetics, microbiology, ecology, and environmental science. The class requires good reading and note taking skills, lab studies and techniques, group work skills, keyboarding and computer skills which will be used for several projects, and proper class attendance and participation. Grades are based on daily assignments, quizzes, book and lecture tests, lab quizzes, lab reports, group projects, and individual projects. Assignment completion, note taking, and class participation are a must to receive a passing grade.

BIOLOGY II

Grades 11-12--Two Semesters

Credit: 1.0

Prerequisite: Biology I

Biology II. is a class that looks at a variety of advanced biological issues such as mammalian anatomy and physiology, cell and tissue functions, cell metabolism, etc.. The class requires much reading, memorization of anatomical parts and vocabulary, a mastery of keyboarding and computer skills to be used for presentation, and lab studies and techniques for a more mature student. Grades are based on daily assignments, quizzes, book and lecture tests, lab quizzes and hands-on tests, lab reports, outside text readings, and projects. Assignment completion, note taking, and class participation are a must to receive a passing grade.

PHYSICAL SCIENCE

Grade 10--Two Semesters

Credit: 1.0

This course covers basic concepts of physics and chemistry. The emphasis is on the relationship between the natural laws of science and the daily lives of the students. The concepts of scientific measurement, energy, motion, work, matter and atomic structure are presented through a combination of lectures, demonstrations, special projects, and hands-on laboratory experiences.

EARTH SCIENCE

Grades 11-12--Two Semesters

Credit: 1.0

Prerequisites: Physical Science and Biology I

Earth Science looks at a variety of introductory geological concepts such as mapping, processes that shape and move the earth, rock and mineral identification, and the earth's geological history. The class requires good reading and note taking skills, lab studies, group work skills, and proper class attendance and participation, and a mastery of keyboarding and computer skills to use on class projects. Grades are based on daily assignments, quizzes, book and lecture tests, lab quizzes, lab reports, group projects, and individual projects. Assignment completion, note taking, and class participation are a must to receive a passing grade. Branches of Earth Science to be studied: astronomy, geology, meteorology, and oceanography. The class involves hands-on laboratory experiences with identifying rocks and minerals, topographic maps, soil testing, and plate tectonics.

MARINE SCIENCE

Grades 10-12—Two Semesters

Credit: 1.0

Prerequisite: Biology I

Marine Science is the discovery, exploration, and investigation of the world of the ocean and aquatic sciences. This course correlates content standards for earth, environmental, life, and physical sciences through oceanography and marine biology. The first semester has a focus on the importance of ocean exploration, physics of water, currents, waves, and tides. The second semester course of study begins with theories about the origins of the universe, solar system, earth, and life on earth. Students then investigate ocean zones, energy flow through living systems, a survey and study of marine life, marine ecosystems, and resources of the ocean.

CHEMISTRY

Grades 10-12--Two Semesters

Credit: 1.0

Prerequisite: Physical Science & Algebra II (or concurrent enrollment) or consent of instructor

This course involves the study of the composition and properties of matter and the investigation of the laws that govern the combination of elements. These include atomic and molecular structure, nomenclature, conversions (atoms/molecules, mass, moles), and the periodic table. Basic principles will be taught which play a vital role in everyone's daily life. Laboratory experiences will be provided.

ADVANCED CHEMISTRY

Grades 11 -12--Two Semesters

Credit: 1.0

Prerequisite: Chemistry and Algebra II

This course reviews and expands upon topics covered in first year Chemistry. These include atomic and molecular structure, nomenclature, conversions (atoms/molecules, mass, moles), and the periodic table. In addition, advanced topics are introduced. These include precipitation reactions, acid/base chemistry, organic chemistry, and redox reactions. More extensive and open-ended laboratory work is performed than in Chemistry. Also, additional readings addressing issues in science (environmental, technological, etc.) are used. This course is weighted and students are expected to do college level work.

PHYSICS

Grades 11-12--Two Semesters

Credit: 1.0

Prerequisite: Algebra II or concurrent enrollment

To provide an opportunity for students to become familiar with the characteristics and associated reactions of force, matter, energy, simple machines, wave motion, electricity, magnetism. The student will have an opportunity to review physical laws and determine physical laws by doing experiments with hands on equipment in the laboratory and by demonstrations by the teacher. This course is weighted and students are expected to do college level work.

SOCIAL SCIENCE

AMERICAN GOVERNMENT

Grade 10 --One Semester

Credit: 0.5

This course allows students to analyze and understand the federal system of government. The major goal of this course is for students to understand and apply democratic and civic values. The focus of the course include the development and meaning of the Constitution and the Bill of Rights; understanding the role and connections of the Courts and the governmental process; the roles and influence of the legislative, executive and “bureaucratic” branches of the government; the connections between “politics” and “economics”; and the relevance of government in relationship to the current and ongoing issues that face our world today.

GEOGRAPHY

Grade 10—Two Semesters

Credit: 1.0

Geography is a broad and ever-changing subject. It includes the study of Earth’s physical features, as well as how humans, animals, and plants interact with the world around them. The course will stress the 6 Essential Elements of Geography: 1) The World in Spatial Terms, 2) Places and Regions, 3) Physical Systems, 4) Human Systems, 5) Environment and Society, and 6) Uses of Geography.

UNITED STATES HISTORY

Grade 11--Two Semesters

Credit: 1.0

Emphasizing both the broad themes of our history as a nation and the richness of our heritage as a people, United States history tells the absorbing story of our Nation’s past from the Reconstruction era to the present.

AP US HISTORY

Grade 11 --Two Semesters

Credit: 1.0

AP US History examines significant events in American history from discovery to the contemporary era. Themes of colonization, revolution, nationalism, civil war, reconstruction, industrialization, immigration, progressivism, world wars, economic depression, and foreign policy are introduced. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials- their relevance to a given interpretive problem, their reliability, and their importance- and to weigh the evidence and interpretations presented in historical scholarship. The AP test will be given during the first week of May. This course is weighted and students are expected to do college level work.

ECONOMICS

Grade 11, 12 – Two Semesters

Credit: 1.0

Economics is the study of how societies use limited resources to satisfy their unlimited wants and needs. This class will prepare you for the first year of a college economics course. The first semester concerns itself with Microeconomics: focusing on decisions of individual consumers and firms within the larger economic system. The second part of the course concerns itself with Macroeconomics: the study of the economy as a whole, paying close attention to national income, GDP and economic growth, inflation, unemployment, fiscal and monetary policy, and international trade.

Western Civilization I (Prehistory-1789)

Grade 11 or 12--Two Semesters

Credit: 1.0

This course will focus on prehistoric, ancient, classical, medieval, and Renaissance cultures in the Middle East, Africa, Europe, Russia, and Latin America.

Western Civilization II (1789-Present)

Grade 11 or 12--Two Semesters

Credit: 1.0

This course examines major turning points in the shaping of the modern world from the late eighteenth century to the present. The course begins with the French Revolution, then follows the path of revolution through the Industrial Revolution, moves to imperialism, and colonization, World War I, World War II, the Cold War and ends with the modern struggle for democracy. In addition to learning about past societies and how they worked, the purpose of this course is to teach skills that educated persons use all the time: critical thinking and critical reading; writing and effective oral communication.

CONTEMPORARY ISSUES

Grade 10, 11, 12--Two Semesters

Credit: 0.5/semester

This course focuses on events and issues locally, statewide, nationally, and worldwide that are of timely importance. The course will stress the importance of knowledge of these events, and their immediate and long-range effects, as well as critical thinking skills in the areas of investigation, examination, and analysis of issues and events. The course will also focus on the historic significance of these events and how they have impacted our world today.

SOCIOLOGY

Grade 10, 11, 12—One semester

Credit: 0.5/semester

Sociology is by nature the study of groups and how they behave. This class will focus on the theorists of Sociology, as well as modern applications of group behavior. Topics to be covered include: vocabulary and theorists; culture and the intergenerational views of pop culture and values; social structure and society; socialization through groups and formal organizations; and class structure and inequities (race, ethnicity, gender, and economics).

VOCATIONAL EDUCATION

AGRICULTURE

INTRODUCTION TO AGRICULTURE INDUSTRY (A100)

Grade 9--Two Semesters

Credit: 1.0

Introduction to Agriculture Industry provides the opportunity for students to learn how the agricultural industry is organized: its major components: the economic influence of agriculture at state, national, and international level; the scope and types of job opportunities in the agricultural field. Both agribusiness and production applications are presented: leadership skills and abilities are developed through an orientation to the FFA, parliamentary procedure, judging, and public speaking. Basic mechanics including safety, tool identification and use, selecting lumber and fasteners, planning a woodworking project and the completion of a project. Microcomputer applications are introduced.

ANIMAL SCIENCE (A205)

Grade 10--One Semester (Alternating Years)

Credit: 0.5

This second year course deals with learning experiences that are concerned with the theories, principles, and practices in producing (breeding, feeding, care, and housing) animals and animal products for economic and other uses. Applied math/science skills are stressed throughout the course. Agribusiness skills and microcomputer applications are utilized as they relate to each instructional unit.

BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE - BSAA (A320)

Grade 11 or 12— Two semesters

Credit: 0.5

Prerequisites: One year of biology and two years of agriculture courses or permission from the instructor.

Biological Science Applications in Agriculture-Plant Science is a course designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. This one-semester course will deepen students' understanding of science as a process through the use of numerous laboratory exercises and experiments. Students can also establish a Supervised Agricultural Experience Program and participate in agricultural science activities of the FFA.

FARM/AGRIBUSINESS MANAGEMENT (A400)

Grade 12--One Semester (Alternating Years)

Credit: 0.5

This course will have planned learning experiences concerned with farm resource analysis, accounting, production, financing, purchasing, farm inputs, performance records, and marketing. The results of these learning activities are

applied to making decisions in managing a farm or farm-related business. Students will also experiment with a variety of software programs available for Ag and also look at computer informational services used in Ag.

AQUACULTURE

Grade 10-12—One semester

Credit: 0.5

This course is designed to develop student knowledge and skills in the area of aquacultural science and technology. Instructional units include basic studies of aquacultural species; reproduction processes, genetics, nutrition and health in aquacrops; ecological balances; and environmental requirements of aquatic plants and animals. Water quality, chemical and temperature analyses will be conducted for a variety of aquacrops. Individual and group experimentation and student research project(s) are required for satisfactory completion of this course. Careers to be examined include fish hatchery technician, production manager, fish nutritionist, and researcher. Improving computer and workplace skills will be a focus.

NATURAL RESOURCE MGMT

Grade 10-12—One semester

Credit: 0.5

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus.

AG LEADERSHIP

Grade 10-12—One semester

Credit: 0.5

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

AGRICULTURE CONSTRUCTION I & II (A315)

Grade 10-12 (Alternating Years)

Credit: 0.5

Agriculture Construction is designed to develop student knowledge and skills in the area of agriculture construction. Instructional units include the planning of building construction; planning of construction of concrete floors, and foundations; maintenance and inspections; repair of various construction parts such as doors, roofs, siding, etc.; selecting, installing, maintaining and troubleshooting of electrical wiring material and equipment.

Students will develop good safety procedures. All learning experiences are designed to allow students to acquire job-entry skills and knowledge.

AGRICULTURAL MECHANICS I & II (A305)

Grade 10-12 (Alternating Years)

Credit: 0.5

Agricultural Mechanics is designed to provide learning activities and experiences in electrical wiring, electric motors, arc and oxyacetylene welding, surveying and small engines. Units of instruction will include selecting, troubleshooting, maintaining, and installing electrical wiring and materials; selection, use, care and maintenance of electric motors, safety and use of surveying equipment; troubleshooting and overhaul of small gasoline engines.

VETERINARY SCIENCE

Grade 10, 11, 12

Credit: 0.5

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

INTRODUCTION TO HORTICULTURE (A220)

Grades 10-12--One Semester (Alternating Years)

Credit: 0.5

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GREENHOUSE MANAGEMENT/FLORAL DESIGN

Grades 10-12--One Semester (Alternating Years)

Credit: 0.5

This course focuses on the greenhouse management, floral design and related segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Also included are care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and

operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

BUSINESS TECHNOLOGY

KEYBOARDING AND SOFTWARE APPLICATIONS I/II (B205 & B215)

Grades 9-12--Two Semesters

Credit: 1

Prerequisite: None

Students will use networked PC-compatible computers to review basic computer operation and learn applications such as Microsoft Office, focusing on Word, Excel, and PowerPoint. Elements of desktop publishing will be explored. An emphasis is placed on keyboarding technique, proofreading, and correcting errors.

Units of instruction include: Development of speed and accuracy skills, preparation of documents, (i.e., letters, reports, applications, personal data sheets, interoffice memoranda, outlines, and tables). Production of copies that meet business standards is stressed.

Computer concepts are covered to allow the student to develop awareness and understanding of computer concepts, software, and equipment available.

MULTIMEDIA DESIGN (B325 & B326)

Grades 10-12--Two Semesters

Credit: 1

Prerequisite: C or better in Keyboarding I/II or approval of instructor.

This course is recommended for students whose college and/or vocational careers will require the use of computers as well as students who have an interest in computers. Students will use networked PC-compatible computers to learn web page design by the use of Dreamweaver and other web design utilities. Personal as well as business web pages will be created and formatted. Graphic design is emphasized using the Adobe Suite. Students will create print-ready and web-ready designs from the skills learned in class. Students will have the opportunity to use digital video software and create movies on the computer as well as podcasting will be explored.

ACCOUNTING I (B300)

Grades 11-12--Two Semesters

Credit: 1

Prerequisite: None

Accounting I is recommended for those students who will continue business studies in college and students who are interested in an entry-level job in the field of accounting. The course covers basic principles of accounting as

applied to small businesses. Practice sets and projects will be used. Online computer applications will be explored. Accounting knowledge is needed at all levels of the business world.

ACCOUNTING II (B400)

Grades 11-12--Two Semesters

Credit: 1

Prerequisite: Accounting I

Accounting II is a continuation of Accounting I and is recommended for students who are interested in an entry-level job in accounting. Material covered will include departmental accounting, inventories, payroll systems, partnership and corporation accounting, uncollectible accounts, accrued expenses and revenues, depreciation, and cost accounting. Computers may be used for applications.

ENTREPRENEURSHIP

Grade: 11-12--Two Semesters

Credit: 1.0

Prerequisite:

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

INTERRELATED COOPERATIVE EDUCATION/WORK EXPERIENCE (C475)

Grades 12--Two Semesters

Credit: 1.0

Interrelated Cooperative Education is designed for senior level students interested in pursuing careers in vocational occupations. Students are released from school for their paid cooperative education work experience and participate in related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving student's abilities to interact positively with others.

FAMILY & CONSUMER SCIENCES

INTRO TO FACS

Grades 9-12 -Two semesters

Credit: 1

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource

management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

NUTRITION AND CULINARY ARTS I (H205)

Grades 9-10--One Semester

Credit: 0.5

Foods and Nutrition I includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following duty areas: promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. Information related to careers will be given.

NUTRITION & CULINARY ARTS II (H206)

Grades 9-10—One Semester

Credit: 0.5

In Foods and Nutrition II more attention will be paid to food selection and preparation for special circumstances and dietary needs. Laboratory sessions will be devoted to preparation of foods with specific characteristics. Course content will include the following broad areas of emphasis: careers on foods and nutrition, influences on food customs, diet and health, current nutritional issues, planning for special needs, safety of food purchasing, prevention of foodborne illness, conservation in providing food, food preservation, the application of the above-mentioned areas of emphasis to food service occupation may be stressed. This course provides an introduction to commercial food service, preparation and management.

TEXTILES & DESIGN I (H215)

Grades 9-12--One Semester

Credit: 0.5

Clothing and Textiles I is planned to provide students opportunities to develop knowledge and understanding of textiles, fashions and fabrics and to assist them in meeting the clothing and fabric (fashion) product needs of themselves, families and/or general public. The course content should center around developing student competency in the following duty areas: meeting social, physical, psychological and economic needs in evaluating, selecting, and caring for clothing and textiles; appraising clothing/textiles; products which contribute to health, safety, and comfort; maximizing resources in selecting, constructing, altering, repairing and remodeling clothing/textile products; communicating intended clothing image to others; and approving decision necessary for clothing image to others; and approving decisions necessary for clothing and textile needs. Information and experiences will provide students with an understanding of the psychological aspects of fabric products as related to the needs of people, and the jobs and careers using competency related to textile and fabrics will be included throughout the course.

TEXTILES & DESIGN II, III, IV (H220 & H310)

Grades 11-12--One Semester

Credit: 0.5

This course is designed for students who have taken Clothing and Textiles I or have advanced skills in clothing. In this course students would further develop clothing construction skills. In addition, the student would study fabrics, wardrobe planning, and clothing selection.

ONLINE DUAL CREDIT - ILLINOIS CENTRAL COLLEGE

ART 110 Art Appreciation

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

This course is a survey of the visual arts, exploring the nature, language and history of art, in relation to cultural, humanistic, and aesthetic values. Lectures are reinforced by written assignments, presentations, gallery visits, critical evaluations of art, and introductory art experiences. This course is acceptable for Humanities credit in the area of Fine Arts. It is intended for general studies of non-majors.

BUS 110 Introduction to Business

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.

HLTH 121 Medical Terminology

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

This course is a study of terminology used in all areas of medical and paramedical specialties. Emphasis is placed on word-building techniques and understanding of typical medical reports.

PSY 110 Introduction to Psychology

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

Psychology is the scientific study of behavior and mental processes. This course will introduce the student to fundamentals of physiological psychology, sensation and perception, learning, emotions, and motivation, and psychological disorders and their treatment. The role of research and the scientific method are emphasized throughout the course.

SOC 110 Introduction to Sociology

Grade 11-12--One Semester

Credit: .5

Prerequisite: Approved placement test score

This course utilizes the approaches of functionalism, conflict theory, and interactionism to analyze the structures and processes of group life from a scientific perspective. Major areas of inquiry include: theory and methodology, culture, social organizations, socialization, groups, institutions, formal organizations, collective behavior, and social change.

MISCELLANEOUS

DRIVERS EDUCATION

Grade 10--One Semester

Credit: 1.0

This 18-week class is a preparation course in responsible driving. This course includes classroom instructions and behind-the-wheel driving.

RESOURCE MANAGEMENT

Grade 10--One Semester

Credit: 0.5

This course relates practical life skills to managing one's budget. Emphasis is placed on how individuals make choices about how to use resources to fill their needs and wants.

EDUCATIONAL METHODOLOGY INTERN

Grade 11-12--Two semesters

Credit: 1.0

Prerequisite: Two teacher recommendations; interview with Technology and Instructional Coach

Students in this course will explore educational theory and practice through classroom observation, reflection, instruction, practicum experience, professional presentations, and a capstone project to be presented to the K-12 staff at the end of the school year. This course will provide students interested in pursuing a career in education an opportunity to learn foundational curriculum concepts and best instructional practices with mentorship and guidance from the district's technology and instructional coaches.

MEDIA TECHNOLOGY INTERN

Grade 11-12--Two semesters

Credit: 1.0

Prerequisite: B or above in Mass Communications and two teacher recommendations

Students in this course will explore media concepts and applications under the supervision of the Technology Director. This course will provide students authentic experiences in mass communication, branding, and messaging. A final capstone project determined by the student in consultation with the needs of the district and approved by the Technology Director and building principal will be a requirement for course credit.

COMPUTER TECHNOLOGY INTERN

Grade 11-12--Two semesters

Credit: 1.0

Prerequisite: Two teacher recommendations; interview with Technology and Instructional Coach

Technology Interns explore technology concepts and applications that can positively impact students in Elmwood Schools. Throughout the year, interns help maintain the IDEA studios and provide support to teachers and students while also working on a final capstone project determined by the student in consultation with the needs of the district and approved by the Technology Director and building principal.

TEACHER ASSISTANCE EXPERIENCE (B375 Juniors/B475 Seniors)

Grades 11-12--Two Semesters

Credit: 0.5/semester

The student is offered a unique opportunity to enhance their office skills on a professional level. The duties will include: answering the telephone, operating copy machines, typing, filing, interacting with the public, and maintaining confidentiality within the office/classroom. This experience will allow the student to be prepared for an entry-level position such as a receptionist or clerical assistant and improve their ability to deal with the public.

STUDY SKILLS

Grade 9-12--Two Semesters

Credit: 0.5/semester

This grade does not apply to the GPA calculation.

In the small group setting, students are tutored in all course subjects. This course is open to students who are in need of further assistance outside the classroom.

SPECIAL EDUCATION

The Special Education Association of Peoria County, in cooperation with Elmwood High School, offers special education classes to any student qualified. A more individualized approach to learning is utilized.

**Students may take additional online high school courses available through Illinois Virtual School and dual credit online courses through ICC with permission of Mr. McCoy.*