

IRENE/WAKONDA HIGH SCHOOL

2012-2013 COURSE OFFERINGS

Curriculum Area: Mathematics (3 credits required for graduation)

Class Name: Algebra I

Length: 2 Semesters—1 year

Credit: 1 Credit in Math

Grade: 8th, 9th

Synopsis: *Students will learn to solve linear and quadratic equations. They will learn to use these expressions in consumer and technical problem solving applications. Geometry, statistics and probability are integrated into this course.*

Class Name: Geometry

Length: 2 Semesters—1 year

Credit: 1 Credit in Math

Grade: 9th, 10th, 11th (Algebra I Prerequisite)

Synopsis: *This course is designed for students who have successfully completed Algebra I. It includes traditional topics in plane and solid geometry. The traditional concept of the “proof” is generally de-emphasized except for work with congruent triangles. The processes involved in problem solving are stressed. The bulk of the topics are taught based on the student’s previous background and real life applications.*

Class Name: Algebra II

Length: 2 Semesters—1 year

Credit: 1 Credit in Math

Grade: 10th, 11th, 12th (Algebra I and Geometry Prerequisites)

Synopsis: *The course is designed for students who have aspirations of continuing on to college. The study of fundamental concepts is stressed; however, manipulative techniques are not neglected. Topics included in the course are: Solid review of the concepts of algebra; rational and irrational algebraic expressions; application of algebraic concepts to verbal problems; first degree equations; higher order equations; functions; graphs; inequalities; exponents; logarithms and introduction to trigonometry.*

Class Name: Pre-Calculus

Length: 2 Semesters—1 year

Credit: 1 Credit in Math

Grade: 11th, 12th (Algebra II Prerequisite)

Synopsis: *This is a course designed for the college bound students. The study of the fundamental concepts of algebra and geometry will be united to gain a further understanding of mathematics, the process of problem analysis and problem solving. The major topics to be covered will be functions, trigonometry and discrete mathematics.*

Class Name: Math 150/151 College Algebra

Length: 2 Semesters—1 year

Credit: Dual Credit Class from Mount Marty

Grade: 12th (Algebra II Prerequisite)

Curriculum Area: English (4 credits required for graduation)

Class Name: English I (½ Literature – ½ Composition)

Length: 2 Semesters—1 year

Credit: 1 Credit in English

Grade: 9th

Synopsis: *Write multi-paragraph descriptive, narrative, expository and persuasive essays; demonstrate writing competence using the 6 traits: voice, grammatical conventions, organization, content, word choice, and sentence structure. Prepare for the 9th grade state writing test. Identify the elements of literature. Read independently; read short stories, poetry, novels, and drama; identify elements and techniques of literature; broaden vocabulary. Study skills, such as taking notes, applying learning styles, multiple intelligences, and time management will also be addressed all year long. Year-long writing portfolio called the “Freshmen Scrapbook.” This book is autobiographical and the writings and pictures reflect the entire year.*

Class Name: English II (½ Speech – ½ Writing)

Length: 2 Semesters—1 year

Credit: 1 Credit in English

Grade: 10th

Synopsis: *During the first semester emphasis will involve written and oral communication skills. We will enhance skills by writing and delivering speeches. The course also includes reading short stories and novels and giving a written response to them. The second semester of this course will concentrate on written communications skills including business letters, different types of essays to meet different purposes for writing, working with and mastering the process of writing reports, and creating some imaginative writings. In addition to that, we will review the rules of punctuation, capitalization, and usage.*

Class Name: English III (½ American Lit – ½ Composition)

Length: 2 Semesters—1 year

Credit: 1 Credit in English

Grade: 11th

Synopsis: *American Literature: Relate history to the evolution of literature; become familiar with author backgrounds, works, and themes; use reading, writing, speaking, and listening skills to express ideas clearly, correctly, and appropriately; develop autonomy and confidence as readers who find personal meaning and connections in literature; read from short stories, poetry, drama, novel, etc.; trace trends and movements in American literature; study outstanding writers, their work, and influence; recognize the relationship between American history and literature.*

Composition: Use reading, writing, speaking, and listening skills to express ideas clearly, correctly, and appropriately; combine elements of description, narration, exposition, and persuasion in paragraphs and essays; incorporate research of one’s own genealogy to create the “Junior Memory Book.” Investigate career interests and create documents (resume, application letter, portfolio, etc) for a job search. Students will job shadow and interview. Write for a specific audience; broaden vocabulary and increase analogy skills; revise and proofread work for style, grammar, and mechanical errors.

Class Name: English IV (½ Composition – ½ English Literature)

Length: 2 Semesters—1 year

Credit: 1 Credit in English

Grade: 12th

Synopsis: *The first semester composition course will teach students college level and work related communication and writing skills necessary to succeed after high school graduation. The process of writing research papers will be covered in depth. The second semester literature course will provide a wide range of Western European literature and culture. Students will gain an appreciation for all literary forms and several different mythologies. The course will be a survey of literature that encompasses everything from Ancient Greece and Rome to the late 20th Century writers of the United States.*

Class Name: AP English

Length: 2 Semesters—1 year

Credit: 1 Credit in English

Grade: 12th (Students are expected to take the AP exam)

Synopsis: *This course provides preparation for the AP Language and Composition Exam given in the spring. Recommended for college-bound students. Students must see the instructor for summer reading requirements. Trace trends in American Literature; analyze writing by identifying theme, style, tone, and purpose; analyze literature; increase reading and vocabulary; respond to other students' writing; respond clearly and concisely to timed essay questions; understand and evaluate the semantic, structural, and rhetorical features of language; demonstrate use of all elements of the writing process; incorporate research techniques and skills into a formal paper/project.*

Class Name: English 103, Composition (Dual English Credit)

Length: 1 Semester

Credit: Dual Credit Class from Mount Marty

Grade: 12th

Synopsis:

Class Name: English 104, Literature (Dual English Credit) Length: 1 Semester

Credit: Dual Credit Class from Mount Marty

Grade: 12th

Synopsis:

Curriculum Area: Social Science (3 credits required for graduation)

Class Name: World Geography

Length: 1 Semester

Credit: .5 Credit in Social Studies

Grade: 10th

Synopsis: *Students will gain a better understanding of the effect geography has on where people live and how they live. The location of countries and how they relate to the United States will be studied. Students will study the problems that exist in providing for the needs of mankind. Students will also gain an understanding of various world cultures.*

Class Name: World History

Length: 1 Semester

Credit: .5 Credit in Social Studies

Grade: 10th

Synopsis: *Students will gain an understanding of the historical events that have shaped our present world. Students will also analyze historical events related to the development of world cultures.*

Class Name: American History

Length: 2 Semesters—1 year

Credit: 1 Credit in Social Studies

Grade: 11th

Synopsis: *Students will study the history of the United States from the pre-Civil War to the present. Students will become familiar with the cause and results of major conflicts, contributions of American leaders, historical trends, the popular culture, and political events.*

Class Name: American Government

Length: 2 Semesters—1 year

Credit: 1 Credit in Social Studies

Grade: 12th

Synopsis: *Students will gain an understanding of the following aspects of American Government: historical development, the Constitution, operation of the three branches, political parties, and political leaders. Students will also study and gain an understanding of state and local government.*

Class Name: Psychology (Elective)

Length: 1 Semester

Credit: .5 Credits in Social Studies or Electives

Grade: 11th or 12th

Synopsis: *The student will learn about the history of psychology and how it has developed into a field of study today. The following subfields of psychology will be covered: psychobiology, development, sensation and perception, sleep and consciousness, learning, and human memory.*

Class Name: Sociology (Elective)

Length: 1 Semester

Credit: .5 Credits in Social Studies or Electives

Grade: 11th or 12th

Synopsis: *The student will learn about the history of sociology and how it has developed into a field of study today. The following topics will be covered: The Sociological Point of View, Cultural Diversity, Cultural Conformity and Adaptation, Social Structure, Socializing the Individual, The Adolescent in Society, The Adult in Society, Deviance and Social Control, Social Stratification, Racial and Ethnic Relations, and the social institutions of Science, the Mass Media, and Sports.*

Curriculum Area: Lab Science (3 credits required for graduation)

Class Name: Physical Science

Length: 2 Semesters—1 year

Credit: 1 Credit in Science

Grade: 9th

Synopsis: *Students will study basic chemistry and physics. They will gain an understanding of the basic laws of matter and energy; and how they apply to everyday occurrences. Matter will be classified by structure and chemical/physical properties. The properties of waves and their relationship to sound and light will also be studied.*

Class Name: Biology

Length: 2 Semesters—1 year

Credit: 1 Credit in Science

Grade: 10th

Synopsis: *Biology is the study of living organisms. Students will gain an understanding of the basic features of all living organisms such as cells and tissue, chemistry, classification and characteristics of the kingdoms. Students will study the ten systems of the human body and be able to show the relationship between various parts of the body.*

Class Name: Chemistry

Length: 2 Semesters—1 year

Credit: 1 Credit in Science

Grade: 11th, 12th (Physical Science and Biology Prerequisites)

Synopsis: *Students will gain an understanding of the composition and properties of matter. Study will include the structure of the atom, classification of elements, states of matter, naming the writing formulas of compounds, solutions, acids and bases. Calculations involving moles and stoichiometry, chemical equations, gas laws and the concentration of solutions will be studied.*

Class Name: Physics

Length: 2 Semesters—1 year

Credit: 1 Credit in Science

Grade: 11th, 12th (Physical Science and Biology Prerequisites)

Synopsis: *This course is designed for students wishing to gain knowledge of the laws that structure our universe. Physics is a mathematical based science. All students should be knowledgeable in the problem solving process. Advanced mathematical computation will be downplayed, while an emphasis on problem solving will be stressed. The course will begin with mechanics, the fundamental aspects related to all physics. The course will then move on to the following major areas of physics: heat, optics, electricity, magnetism, and atomic physics.*

Class Name: Anatomy

Length: 2 Semesters—1 year

Credit: 1 Credit in Science

Grade: 12th

Synopsis: *This is a comprehensive class covering the function and structure of the human body. It includes the study of the basic organization of the human body: cells, tissues, and chemical makeup. The nervous system, endocrine/exocrine system, genetics, muscular system and skeletal system are studied.*

Curriculum Area: World Language (1 Credits required for graduation)

Class Name: Exploratory Spanish

Length: 1 semester- ½ year

Credit:

Grade: 8th

Synopsis: *This is an introductory course to the Spanish language and culture. Students will practice the four language skills – listening, speaking, reading, and writing- with an emphasis on vocabulary and pronunciation. Students will also explore the history, culture, geography, and daily life in Spanish-speaking countries.*

Class Name: Spanish I

Length: 2 Semesters—1 year

Credit: 1 Credit in World Language

Grade: 9th, 10th, 11th, 12th

Synopsis: *In this course, students will communicate in Spanish through the sequential development of listening, speaking, reading, and writing. Activities and projects will reinforce vocabulary, verb usage. Students will also gain knowledge about different Spanish-speaking countries.*

Class Name: Spanish II

Length: 2 Semesters—1 year

Credit: 1 Credit in World Language

Grade: 10th, 11th, 12th **(Spanish I is a prerequisite)**

Synopsis: *Students will review, strengthen, and amplify the basic principles of Spanish I. Students will continue to develop skills in listening, speaking, reading, and writing in Spanish. Conversation will play a major part in reinforcing what is learned. Daily life and familiarization with geography, history, holidays, and art form the basis for this year's cultural study.*

Class Name: Spanish III (Elective)

Length: 2 Semesters—1 year

Credit: 1 Credit in World Language

Grade: 11th, 12th **(Spanish I and Spanish II are a prerequisite)**

Synopsis: *This course provides review and amplification of the 4 language skills obtained in Spanish I and II, along with exposure to more advanced grammatical structures, vocabulary, and literary works written in the target language. Classes are conducted in Spanish and all oral and written work is done in Spanish.*

-

Curriculum Area: Business (1/2 credit of Personal Finance is required for graduation). All Business courses qualify as Approved CTE courses).

Class Name: General Business (Elective)

Length: 2 Semesters—1 year

Credit: 1 Credit in Business

Grade: 9th

Synopsis: *This course will give students a better understanding of our economic system. Students will gain an understanding of general business concepts that will be beneficial in our business world. Some of the topics covered are supply and demand, Federal Income Tax, and money management. Students will study employability skills, how to write resumes, search for and find a job, and information about the job market.*

Class Name: Business Law (Elective)

Length: 1 Semester

Credit: 5 Credits in Business

Grade: 10th, 11th, 12th

Synopsis: *Students will gain an understanding of laws that govern the business world. Laws for consumers, businesses and minors will be studied in depth. Students will learn about and be able to construct basic legal contracts. Students will also study legal cases that have influenced our society.*

Class Name: Accounting I (Elective)

Length: 2 Semesters—1 year

Credit: 1 Credit in Business

Grade: 11th

Synopsis: *This course will give students a better understanding of the importance of accounting as it relates every day living. Students will develop effective ways of using accounting in life, and become familiar with accounting as it relates to careers. Accounting practices will be studied in two parts: proprietorships and partnerships. Students will complete practice sets throughout the course.*

Class Name: Accounting II (Elective)

Length: 2 Semesters—1 year

Credit: 1 Credit in Business

Grade: 12th (Accounting I is prerequisite)

Synopsis: *This course is an advanced course. Accounting I is a prerequisite. Students will use the knowledge and methods learned in Accounting I to complete Accounting II work. Accounting practices will be studied in two parts: corporations and automated accounting. Students will complete practice sets throughout the course with the second semester being on the computer.*

Class Name: Personal Finance

Length: 1 Semester—1/2 year

Credit: .5 Credits in Business

Grade: 12th

Synopsis: *This course will give students a better understanding of the financial world they will be exposed to after graduation. Studies include credit cards, budgets, banking systems, insurance, job applications, consumer rights and responsibilities, taxes, investments, and economic basics. Students will complete sample problems of many of the above items. **This is the most important class they will ever take.***

Curriculum Area: Computer Studies

Class Name: Computer II - FrontPage / Flash (Elective)

Length: 2 Semesters – 1 year

Credit: 1 Credit in Computer Science

Grade: 10th, 11th, 12th

Synopsis: *This course is an introduction to desktop and Web-based publishing using Microsoft Publisher 2002. In ten units, you will learn to create and enhance paper and Webs based publications, as well as integrate information and files from Word, Excel, PowerPoint, and Internet Explorer. Among many topics, you will learn how to link and embed excel charts and tables in publications, and work with a variety of clip art and photographs. Particular emphasis is given to learning the elements of design and learning to employ them to carry and support the message of a publication. Minimal basic experience with Windows is assumed.*

Class Name: Computer III - Adobe Photoshop (Elective)

Length: 1 Semester

Credit: .5 Credits in Computer Science

Grade: 11th, 12th (Computer II Prerequisite)

Synopsis: *In this course, you will learn the most important topics of Adobe Photoshop CS2. You will first learn how to get started with Photoshop. Next, you will learn how to work with layers, make selections, incorporate color techniques, and place type in an image. You will then focus on using painting tools, working with special layer functions, creating special effects with filters, and enhancing specific selections. Finally, you will learn about adjusting colors, using clipping masks, paths, and shapes, transforming type, liquefying an image, performing image surgery, annotating and automating an image, and creating images for the Web.*

Class Name: Graphic Design - Adobe Illustrator (Elective)

Length: 1 Semester

Credit: .5 Credits in Computer Science

Grade: 11th, 12th (Computer II Prerequisite)

Synopsis: *In this course, you will learn the most important topics of Adobe Illustrator CS2. You will first learn how to get started with Illustrator. Next, you will learn how to create text and gradients, draw and compose an illustration, transform and distort objects, work with layers, patterns, brushes, filters, and transparency. You will then focus on creating graphs, drawing with symbols, and creating 3D objects. Finally, you will learn how to prepare a document for prepress and printing, and how to prepare graphics for the Web.*

Class Name: Graphic Design – Blender (Elective)

Length: 1 Semester

Credit: .5 Credits in Computer Science

Grade: 11th, 12th (Computer II Prerequisite)

Synopsis: *In this course, you will learn the most important topics of Blender.*

Class Name: Desktop Publishing (Elective)

Length: 1 Semester

Credit: .5 Credits in Computer Science

Grade: 11th, 12th (Computer II Prerequisite)

Synopsis: *Conduct interviews, write, revise, and edit copy (stories, captions, and outlines); design yearbook page layouts by using the Jostens templates with Adobe software; apply photography principles in selecting quality photos; take, compose and crop all photos using digital technology; accept staff position for yearbook and carry out duties for the year. Upper level writing skills, visual creativity, and the ability to “chase” down the events to be covered are all requirements for this class.*

Curriculum Area: Family and Consumer Science (All FACS courses qualify as Approved CTE courses).

Class Name: Foods and Nutrition (Elective)

Length: 1 or 2 Semesters

Credit: .5 or 1 Credit in FACS

Grade: 9th, 10th, 11th, 12th

Synopsis: *Nutrition and Wellness is a course designed to help students develop skills necessary to select and prepare foods that will have a positive effect on their current and future lifestyles. Basic food preparation skills will be taught during lab experiences.*

Class Name: Relationships (Elective)

Length: 1 or 2 Semesters

Credit: .5 or 1 Credit in FACS

Grade: 11th, 12th

Synopsis: *Each person passes through various life stages. These stages are infancy, childhood, adolescence, young adulthood, middle life and later life. Understanding human development helps students prepare for the roles of adulthood. Human Development: Adolescence through Adult is a course that is designed to enable students to gain knowledge necessary to understand the developmental stages from adolescence through late adulthood. The course will examine the developmental tasks, traits and problems of each of these stages.*

Class Name: Child Development (Elective)

Length: 1 or 2 Semesters

Credit: .5 or 1 Credit in FACS

Grade: 9th, 10th, 11th, 12th

Synopsis: *Human development knowledge is essential for individuals seeking a career in education, health, medical and human service professions, and many other careers involving working with infant and toddler. Topics covered include human development theories, influences on human growth and development, prenatal development, pregnancy, and child-birth, physical, intellectual, emotional, and social development of infants through school-age. Second semester students will plan and conduct activities with local pre-school children.*

Curriculum Area: Industrial and Shop Technology (All Shop courses qualify as Approved CTE courses).

Class Name: Shop I - Drafting/Design (Elective)

Length: 1 or 2 Semesters

Credit: .5 or 1 Credit in Industrial Tech

Grade: 9th

Synopsis: *Will consist of the study of manual and computer aided drafting. Students will explore different areas of drafting and the use of a variety of drafting equipment. During the second semester students will use the project method to learn woods, woodworking and woodworking machines.*

Class Name: Woodworking (Elective)

Length: 2 Semesters

Credit: 1 Credit in Industrial Tech

Grade: 10th

Synopsis: *Students will study wood and the use of wood in industrial technology. The wood lathe and wood-working power tools will be used.*

Class Name: Advanced Woodworking (Elective)

Length: 2 Semesters

Credit: 1 Credit in Industrial Tech

Grade: 11th

Synopsis:

Class Name: Building Trades (Elective)

Length: 2 Semesters

Credit: 1 Credit in Industrial Tech

Grade: 12th

Synopsis:

Curriculum Area: Fine Arts - (1 credit required for graduation)

Class Name: Band (Elective)

Length: 2 Semesters – 1 year

Credit: 1 Credit in Fine Arts

Grade: 9th, 10th, 11th, 12th

Synopsis: *This ensemble is open to all students in grades 7-12. All students will play an audition for chair placement. There is no audition to be member. Concert band during the first semester will serve as the Cardinal Marching Band. The marching band will perform at all home football games and may march in area events and local parades. After marching season students will prepare for several concerts, ensembles, and large group contests.*

Class Name: Chorus (Elective)

Length: 2 Semesters – 1 year

Credit: 1 Credit in Fine Arts

Grade: 9th, 10th, 11th, 12th

Synopsis:

Class Name: Interior Design (Elective)

Length: 1 Semester – ½ year

Credit: .5 Credit in Fine Arts

Grade: 12th

Synopsis: *Interior Design allows students to gain an appreciation of the design fundamentals in home designs and furnishings. Topics covered include history of housing styles as well as the elements and principles of interior design. Opportunities for creative application of design fundamentals are provided as students design and furnish their own homes.*

Class Name: Textiles and Apparel (Elective)

Length: 1 Semester – ½ year

Credit: .5 Credit in Fine Arts

Grade: 9th, 10th, 11th, 12th

Synopsis: *Textiles and Apparel is a course designed to prepare students to understand the social, psychological, and physiological aspects of textile and apparel products. Topics include the selection, production, care, and design of textile and apparel products. A major component of the course is the design/construction of a textile product.*

Curriculum Area: Health and PE (1/2 credit of Health and 1/2 credit of PE is required for graduation)

Class Name: Health/PE

Length: 2 Semesters – 1 year

Credit: 1 Credit in Health/PE

Grade: 9th

Synopsis:

Class Name: PE Weightlifting/Plyometrics (Elective)

Length: 1 Semester

Credit: .5 Credits in Health/PE

Grade: 10th, 11th, 12th

Synopsis: *Students will be involved in using different weightlifting lifts that will help build their major muscle groups. On the off days of lifting students will be involved in training for explosiveness, by doing bounding, hopping, jumping exercises. Speed and strength are integral components of fitness found in varying degrees in virtually all athletic movement.*