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UHS Graduation Requirements

Adding/Dropping Courses

Courses Available at Unity by Department:

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U.H.S. GRADUATION REQUIREMENTS
Total of 26 Credit Hours

4 Credits in English

This includes: 1 credit in English I

1 credit in English II

1 credit in English III

1 credit in English IV

3 Credits in Social Studies

This includes: 1 credit in World History

1 Credit in U. S. History

1/2 Credit in Civics

1/2 Credit in Contemporary History

(Students must also pass both the Illinois and U.S. Constitution tests)

3 Credits in Science (With one credit possibly coming from Animal Science, Plant Science, or Horticulture I or II) All students must take Biology before or during their Junior year.

3 Credits in Math

This includes:

1 credit Algebra I

1 credit Geometry

1 credit Algebra II

1/2 Credit in Health Education

1/2 Credit in Consumer Education

1/2 Credit in the area of Computers and Technology

4 Credits in Physical Education as described below:

Physical Education will be one full credit per year and is required of all pupils with the following exceptions:

- Physical conditions that do not allow participation in physical education.(Doctor's note required)
- Juniors or Seniors who are actively involved with athletic sports may be exempted from P.E., but if this option is chosen, the student must take an additional academic course.
- A Senior who needs to earn a credit in a required academic course in order to graduate. Juniors or Seniors who must complete a specific academic course in order to gain admission in to an institute of higher learning.
- Students must carry a minimum of seven (7) courses each semester. Less than that must be approved by the counselor and the principal.
- All students will complete four years of attendance as a requirement for graduation and earn the required number of credits as deemed by the board of education.

Student Teacher Assistant: Upper classmen may be selected as an office worker during one period per semester. Credit is earned as an office worker. **Students requesting office work must have good academic standing, with excellent attendance and behavior record, as well as the permission of the principal.**

ADDING/DROPPING COURSES

Planning your school schedule is an important task. The classes you take help determine your future. Make up your mind and stick with your decision. The following rules and guidelines apply for the coming school year:

1. Students must make any course schedule changes for the first semester next school year no less than one week before the first day of student school attendance.
2. High school students receiving a failing first semester grade in a full unit course may drop for the second semester.
3. Students may add, drop, or change courses for the second semester during the last week of the first semester or during the first week of the second semester. Students will not be allowed to change their schedules after this time. Students that are allowed to change courses must make up all work missed during the first week of the new semester.
4. Students who are passing a full unit course at the end of the first semester may, with parents, teachers, and principal's consent, drop the course at the end of the first semester and receive a "W" for the second semester.
5. Students may switch courses from one section to another only with teacher, counselor, and principal approval.
6. All students must be enrolled in a minimum of seven courses each semester. Exceptions to this are rare and will only be allowed with the permission of the principal.

STATE UNIVERSITY REQUIREMENTS

The State Board of Education has established statewide admission standards for public universities in Illinois as well as other states. The following high school subjects will be required of freshman entering community colleges with intent to transfer to universities (some colleges and programs have more specific requirements): It is **important** to be aware of the admission criteria of the school you want to attend. Your school counselor can assist you with this knowledge.

CREDITS / SUBJECTS

4 credits in English (emphasizing written and oral communication and literature)

3 credits in Social Studies (emphasizing history and government)

3 credits in Mathematics (algebra, geometry, trigonometry)

3 credits in Science (lab sciences)

2 credits in Foreign Language,
(Some universities accept Music, Art, or Voc. Ed. in replacement of a foreign language)

The law permits students to redistribute up to three of the 15 units among the subject areas. No more than one unit each (for a total of three) from the categories of social studies, math, science, and electives may be redistributed to any of the five categories of course work.

AGRICULTURAL DEPARTMENT

AG. I: INTRODUCTION TO THE AGRICULTURE INDUSTRY

- Credit: 1
- Grade Level: 9 -12
- Course status: Elective
- Prerequisites: High School status

This orientation course provides an opportunity for students to learn how the agricultural industry is organized; it's major components: the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, horticulture, natural resources, agribusiness management, environmental science and technology will be presented. Students will also learn about the FFA, parliamentary procedure, and record keeping. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of this course; therefore, students are required to maintain a SAEP and to participate in activities of the FFA organization.

AG. II: BASIC AGRICULTURAL SCIENCE

- Credit: 1 (counts as a science credit toward graduation)
- Grade Level: 10
- Course Status: Elective
- Prerequisites: Ag. I or consent of instructor

This course builds on the basic skills and knowledge gained in the Ag. I: Introduction to Ag. Industry course. Major units of instruction include advanced plant science and soil science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. The development of leadership, employability and computer skills will also be taught. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of the course; therefore, students are required to maintain a SAEP and encourage to participate in activities of the FFA organization.

AG. III: AGRIBUSINESS OPERATIONS (2009-2010)

- Credit 1 (counts as science credit toward graduation but not college bound science credit)
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Ag. I, Ag. II, or consent of instructor

This course provides learning experiences in the agribusiness operation, which allows students to apply scientific knowledge and processes to practices used in the agriculture and agribusiness industry. The major unit of instruction is animal science. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of this course; therefore, students are required to maintain an SAEP and encourage to participate in activities of the FFA organization.

AG. IV: AGRIBUSINESS MANAGEMENT (2010-2011)

- Credit: 1 (counts as Consumer Education credit toward graduation)
- Grade Level: 11,12
- Course Status: Elective
- Prerequisites: Ag. I, Ag. II, or consent of instructor

This is an excellent course for students planning to enter the job force or study business, marketing, sales, and finance in college. This course will focus on the study of agriculture as it applies to our economy. Units of study will include: types of business operations, management skills, job seeking skills, salesmanship in agriculture, international trade and marketing, computers in agriculture, and entrepreneurship. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of this course; therefore, students are required to maintain a SAEP and encouraged to participate in activities of the FFA organization.

HORT. I: INTRODUCTION TO HORTICULTURE SCIENCE

- Credit: 1/2 (counts as science credit toward graduation but not college bound science credit)
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
- Prerequisites: None

Introduction to Horticulture Science will focus on scientific principles applied to horticulture industry. Units of study will include: plant science, plant propagation, greenhouse management, integrated pest management, and ornamental horticulture. Lab exercises will focus on growing and caring for plants, propagating plants, constructing floral arrangements, and scientific experimentation. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of this course; therefore, students are encouraged to maintain a SAEP and to participate in activities of the FFA organization.

HORT. II: Basic Horticulture Science

- Credit: 1/2 (counts as science credit toward graduation but not for college bound science credit)
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
- Prerequisites: None

Major units of study are landscaping, integrated pest management, and lawn and turf grass management. Students will design landscape plans to scale on paper and through a computer program. Lab exercises will center on work in the school greenhouse, work on the school grounds with landscaping, and other scientific study involving horticulture. FFA and Supervised Agricultural Experience Programs (SAEP) are integral components of this course; therefore, students are encouraged to maintain a SAEP and to participate in activities of the FFA organization.

SUPERVISED AGRICULTURAL EXPERIENCE PROGRAMS

- Credit: 1/2 (Credit for complete school year and a summer program)
- Course Status: Elective
- Prerequisites: FFA member and consent of instructor

This Supervised Agricultural Experience Program is designed for the agricultural students onsite situations. Individual students will have a minimum of one approved project or acceptable plants for doing so. Supervised study, project record bookwork, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the Supervised Agricultural Experience Program. No more than two credits may be earned in SAEP

ART DEPARTMENT

ART I

- Credit: 1
- Grade Level: 9,10, 11,12
- Course Status: Elective
- Prerequisites: High School Status

This course is designed for first year art students. It provides an introduction to a variety of art media and techniques, laying a solid foundation for future art classes. In the first semester, the content areas include: drawing, crayon batik, prehistoric art, and elements of design, color theory, masks, and calligraphy. The second semester studies Egyptian art history, copper tooling, pottery, cartooning, Greek art history, perspective and weaving.

ART II

- Credit: 1
- Grade Level: 10, 11, 12
- Course Status: Elective
- Prerequisites: Art I

This course is designed for the second or third year art student who enjoys the challenges that areas like drawing and painting provide. The course content includes a variety of two-dimensional media, which are charcoal, pencil, ink, and tempera paint. Students study the depth of elements and principles of design followed by evaluating art works. Perspective, color theory, and paper embossing are also covered.

ART III

- Credit: 1
- Grade Level: 10, 11, 12
- Course Status: Elective
- Prerequisites: Art II

This course explores a variety of media and projects. Students explore sculpture and do research on various sculptors. Non-representational balloon sculpture is presented, followed by the creation of a mobile. Baroque art history is also presented. Students get to make a mask from a casting of their own face. Students will study the human face and sculpt a bust out of clay.

Graphic Arts

Learn a desktop publisher program called "Microsoft Publisher" which enables you to create a wide variety of projects. Students learn basic principles of layout & design, plus typography. Projects covered are: designing ads, business cards, stationary, cards, calendars, T-shirt design, gift tags plus many more

BUSINESS DEPARTMENT

Business Practices

- Credit: 1
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
- Prerequisites: High School Status (Counts as Consumer Education Credit for graduation.)

Business Practices is a study of the business and economic environment in which we live. The students will have a better understanding of selecting and using the goods and services of businesses, will be more competent and efficient in managing their own personal business and financial affairs, and, will be more aware and appreciate the American business system and its role in our economic society. In addition, students will learn how to complete basic Federal and State income tax returns.

ACCOUNTING

- Credit: 1
- Grade Level: 10, 11, 12
- Course Status: Elective
- Prerequisites: Sophomore Status

Accounting covers basic accounting concepts and career options. The complete accounting cycle is taught for use in a proprietorship, a partnership, and a corporation. Both manual and automated accounting skills will be taught. Students will learn how to complete Federal and State income tax forms. A business simulation with “real” business papers such as a checkbook, journals, ledgers, and source documents, are used to make the accounting tasks more realistic and show the students the flow of work. A review of general concepts and procedures with the emphasis placed on corporate accounting. Computers and the automated accounting cycle are completed. Topics include departmentalized merchandising business as a corporation, accounting for non collectible accounts, accrued revenue, plant assets, prepaid expenses, accrued expenses, unearned revenues, management accounting, cost accounting, two non-corporate organizations, and partnerships. Lab work is required for working papers. The course will prepare students for entry-level accounting positions, further studies in accounting and business careers.

Computers 1

- Credit: 1/2
- Grade Level: 9, 10, 11, 12

- Course Status: Elective

Students will use Microsoft Office to learn word processing applications. Topics include managing files; creating, saving, and printing documents; formatting and editing documents; text enhancements; macros; columns and tables; envelopes and labels; and desktop publishing.

MULTIMEDIA/INTERNET RESEARCH

- Credit: 1/2
- Grade Level: 9, 10, 11, 12
- Course Status: Elective

Students will learn how to use multimedia software and equipment-including digital cameras, CD burner, LCD projector, and scanner. Microsoft PowerPoint software will be used for presentations made by the students. They will also learn to use the Internet as a research tool, use email, and create and maintain pages on the school's web site. Students will use Excel and Access to learn spreadsheet and database applications. Topics include worksheet basics, spreadsheet terminology and concepts, creating spreadsheets, formulas, formatting, functions, templates, charts, enhancements, and macros and basic database concepts

DRIVER'S EDUCATION DEPARTMENT

DRIVER'S EDUCATION CLASSROOM PHASE

- Credit: 1/4
- Grade Level: 9, 10
- Course: Elective– Must pass this course with a C (70%) or better to take driving
- Prerequisites: 15 years old by 2 weeks prior to end of semester enrolled, and according to Illinois law, must have passed eight courses during the previous two semesters prior to enrolling in driver education.
- A **\$200.00 classroom fee** will be required prior to class enrollment. A **State charge of \$20.00** for the Learner's Permit (plus first driver license) will be collected by the License Officer on the day of the permit vision testing.

This phase of driver's education will instill in the student the basic knowledge needed to begin driving. Areas such as basic Illinois traffic laws, proper driving attitudes, alcohol and driving, and dealing with a variety of driving demands. The student will also have a basic understanding of the functions of the automobile. This phase of driver's education must be passed with a grade level of C (70%) or better, in order to receive the instruction permit. The instruction permit test will be given at the end of the semester course, and must also be passed according to Illinois state law requirements.

DRIVER'S EDUCATION DRIVING PHASE(C 70%) grade must have been obtained in classroom phase)

- Credit: 1/4
- Grade level: 9, 10, 11 (depending on birth date)
- Course Status: Elective
- Prerequisites: Successful completion of classroom phase; and Sec. of State written test, plus pass eye examination and according to Illinois law, must have passed eight courses during the previous two semesters prior to enrolling in driver education.

This phase of driver's education allows a practical application of driving skills with hands on, supervised driving. Driving skills include: backing, parking, turnabouts, hill parking, city driving, interstate driving, and all beginning from the basic skills to the more complex. Students will be taken out of physical education class to drive; therefore, they must be passing P.E. in order to leave class to drive. It may be possible for students to proficiency out of part of the driving portion of driver's education. This will be determined by testing from the driver's education teacher.

ENGLISH DEPARTMENT

English I

- Credit: 1
- Grade Level: 9
- Course Status: Required
- Prerequisites: High School Status

English I will focus on an increased literary vocabulary with short stories and drama. The course utilizes the grammar taught at earlier levels in functional life situations. Grammar is taught only as a means to improve writing style. A large amount of class time is spent in the continued development of reading skills: comprehension, retention, and interpretation. The students will realize that as an art form, literature (reading and writing) is a reflection of their own interests, knowledge, and experiences. Close critical analysis of the text and of the students' compositions will aid in the development of more mature thinking and decision-making skills. This class is writing intensive.

ENGLISH II

- Credit: 1
- Grade Level: 10
- Course Status: Required
- Prerequisites: Completion of English I

This course includes a study of literature and literary terms. The short story, drama, and the novel are given special emphasis. Vocabulary is stressed throughout the course. Spelling is also concentrated upon. The course has an extensive writing program covering various types of writing; sentence structure is emphasized. Usage and the mechanics of writing are stressed as well. This class is writing intensive.

ENGLISH III

- Credit: 1
- Grade Level: 11
- Course Status: Required
- Prerequisites: Completion of Eng. II

This course includes a study of American Literature. Poetry, short stories and novels are given special emphasis. Essay writing and daily grammar lessons help to improve communication skills in both the spoken and written word. Journal work, resumes, reports, creative writing assignments and a research paper are other additional projects that may be covered throughout the course. Understanding Americans as a cultural phenomenon underlies many units. This class is writing intensive.

ENGLISH IV

- Credit: 1
- Grade Level: 12
- Course Status: Requirement

English IV runs in alternating fashion with English III, the former having American literature as its basic reading material, the latter using English literature. Major course focus is geared toward the English novel. Additional units in Anglo-Saxon, Medieval and Elizabethan epic, and lyric poetry will also be presented. College level research writing is a significant part of this course, with students completing 1-2 research papers. Additional writing assignments may include bi-weekly expository essays based upon literary analysis. This course will also include an extensive Shakespeare unit. Students will be expected to analyze sonnets and several plays. This class is writing intensive.

FOREIGN LANGUAGE DEPARTMENT

SPANISH I

- Credit: 1
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
- Prerequisites: High School Status

Spanish I will focus on gaining a functional vocabulary bank and an understanding of the basic grammar structures in the Spanish language. Students will be required to write and speak Spanish in classroom situations, as well as understand when others are speaking with them. To balance the massive grammar of a foreign language, students will learn many of the cultural contrasts and comparisons between the United States and Hispanic countries. The main aim is movement toward fluency, and writing and speaking with proficiency.

SPANISH II

- Credit: 1 Credit: 1
- Grade Level: 10, 11, 12
- Course Status: Elective
- Prerequisites: Spanish 1

Spanish II is a continuation of Spanish I. Students will gain a larger vocabulary bank and knowledge of the more advanced grammar structures. The focus on proficiency in speech and writing is maintained as students find themselves speaking more and more in the target language. Cultural awareness continues to be stressed.

SPANISH III

- Credit: 1 Credit: 1
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Spanish 1, 2

Spanish III is a continuation of Spanish 2. Students will gain a larger vocabulary bank and knowledge of the more advanced grammar structures. The focus on proficiency in speech and writing is maintained as students find themselves speaking more and more in the target language. Cultural awareness continues to be stressed. This class is primarily based on oral and written communication within the subject matter.

HEALTH DEPARTMENT

Unity High School

HEALTH

- Credit: 1/2
- Grade Level: 9, 10, 11, 12
- Course Status: Required
- Prerequisites: High School Status

Health Education is a required one-semester course that is recommended for students in the 9th or 10th grades. The purpose of Health Education is to assist the student in developing desirable health knowledge, attitudes, and practices which can help to determine the overall mental, physical, social, and emotional health of that person in later life. This course covers the topics of nutrition, growth and development, disease, drug abuse, alcohol and tobacco, physical health, mental health, social health, environmental health, well-being and family life. This course is designed to help the student understand the relationship between the physical, emotional, and social aspects of his or her life. The student will be made aware of the health problems within their environment in hope of finding ways of coping with these problems. The subject areas that may be covered include: human ecology, human growth, prevention and control of disease, safety education, mental health, solving health problems of the future, alcohol, drug use and abuse, tobacco, nutrition.

FIRST AID AND SAFETY

- Credit: 1/2
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
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Major area to be covered will be American Red Cross Breathing and CPR, as well as Community First Aid (i.e. disaster response, choking, bleeding, splinting, fractures, dislocations, sprains/strains, burns, exposure to heat/cold, poisoning, hypothermia, and shock).

Health II

- Credit: 1/2
- Grade Level: 9, 10, 11, 12
- Course Status: Elective

This course covers the topics of nutrition, growth and development, disease, drug abuse, alcohol and tobacco, physical health, mental health, social health, environmental health, well-being and family life. An emphasis is placed on nutrition, mental health, developing an exercise and eating routine/patterns, along with going more in depth in discussing topics of human growth, prevention and control of disease, safety education, alcohol/tobacco/drug abuse topics.

INDUSTRIAL ARTS DEPARTMENT

GENERAL SHOP

- Credit: 1
- Grade Level: 9, 10, 11, 12
- Course Status: Elective
- Prerequisites: High School status

This course is designed to acquaint the student with the following areas:

Basic Drafting--Introducing the use of drafting instruments and basic drafting equipment. The instruction aids students in developing abilities in mechanical drawing, lettering, geometric drawing, and dimensioning,

Basic Woodworking--This class includes classroom and shop experience introducing an inclusive shop safety program, blue print layout, hand and machine woodworking, assembly and finishing of wooden projects.

METALWORKING

- Credit: 1/2
- Grade Level: 10,11, 12
- Course Status: Elective
- Prerequisites: Completion of General Shop is helpful

This course is devoted to theory and shop work relating to planning and assembling parts as well as machines in which metal is cast, shaped, heat-treated, cut or otherwise worked upon. Drafting of projects, developing a bill of material and plan of procedure, sheet metal working, machine tool operation, welding, and related fields are introduced along with an inclusive safety program.

ELECTRICITY

- Credit: 1/2
- Grade Level: 10,11, 12
- Course Status: Elective
- Prerequisites: Completion of General Shop is helpful

This course includes both classroom and shop experience in practical electricity. The instruction phase includes electron theory, Ohm's Laws; laws for voltage-current-resistance in series circuits, parallel circuits, and combination series-parallel circuitry. There is classroom instruction and shop experience in practical wiring, as well as testing, maintaining electrical items, reading and interpreting electrical circuit blueprints, as well as electrical safety.

SMALL CONSTRUCTION

- Credit: 1
- Grade Level: 10, 11,12
- Course Status: Elective
- Prerequisites: General Shop

Students in this course experience a year of class and shop experience in construction techniques and methods concerning basic framing instructions. Due to the cost of actual construction, the students will construct scaled model homes using a variety of construction techniques. The students will gain a basic knowledge and skill of building design, site selection, excavation, layout materials estimates, concrete work, floor framing, wall construction, and roof construction. Upon completion of this course, the students should be prepared to seek employment as a carpenter's apprentice.

ADVANCED INDUSTRIAL ARTS

- Credit: 1
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: One previous Industrial Arts course credit

Advanced Industrial Arts is an independent study course in which the students are allowed to select the area of study he/she may wish to follow. The course consists of series of projects by the student in his/her chosen area.

JWCC DUAL-CREDIT DEPARTMENT

These are college level courses that are taught by the Unity High School Staff who are also certified as Associate Professors at John Wood Community College. Prerequisites for these courses will be junior or senior status, approval from the Unity High School Counselor and Principal, and an appropriate score on the JWCC COMPASS Test. **A college fee is required and the purchase of text books and materials will be paid by the student.** These courses can serve as dual credit for both college and high school

English (ENG101)

Introductory course in writing at the college level, with attention to skills needed at each stage of the writing process. Placement in English 101 presupposes competence in English grammar, mechanics, punctuation and spelling. This is a yearlong course here at Unity worth 1 high school credit.

Psychology (PSY101)

This course is a basic introduction into the major areas of psychology. Emphasis is placed upon a study of human behavior. This is a yearlong course here at Unity and is worth 1 high school credit.

MATHEMATICS DEPARTMENT

BASIC ALGEBRA I

- Credit: 1
- Grade Level: 9
- Course Status: required
- Prerequisites: Teacher Recommendation
- Materials: Scientific calculator

Basic Algebra I is taught out of the Algebra I book, but practice on technical items are contained in this course. Topics explored include measurements, conversions, area, volume, and proportions. Fundamental skills taught include: signed number operations, evaluation of expressions, use of formulas, organizing and analyzing data, use of functions, solving simple equations, linear and quadratic equations. This course is designed for those students seeking careers in technical fields.

ALGEBRA I

- Credit: 1
- Grade Level: 9, 10,
- Course Status: Required
- Prerequisites: Teacher Recommendation
- Materials Needed: Scientific calculator

Fundamental skills taught include: signed number operations, evaluation of expressions, solutions of equations in one unknown, adding like terms, number word problems, natural number exponents, factoring percent word problems, value word problems, addition of rational expressions, simplification of radicals, linear equations, simultaneous equations, uniform motion word problems, scientific notation, and negative exponents.

GEOMETRY

- Credit: 1
- Grade Level: 9, 10, 11, 12
- Course Status: required
- Prerequisites: successful completion of Algebra I
- Materials Needed: Scientific calculator

This course introduces the concepts of proofs or deductive reasoning, congruency in segments, angles, and triangles, perpendicularity, parallel lines and coordinate geometry. Upon completion of this course, the student is expected to understand and apply geometric concepts and relations in a variety of forms.

ALGEBRA II

- Credit: 1
- Grade Level: 10,11,12
- Course Status: Elective
- Prerequisites: Successful completion of Geometry or teacher approval
- Materials needed: Graphing calculator (TI 83 Plus)

This class teaches algebraic concepts. The following is a partial list of the topics covered: review exponents, advance exponential operations, word problems, working with radicals, scientific notation, factoring, equations of lines, graphing functions, solving quadratic equations, complex numbers, elementary vector analysis, and systems of 3 equations.

FUNCTIONS, STATISTICS & TRIGONOMETRY (dual credit: JWCC)

- Credit: 1/2
- Grade Level: 11,12
- Course Status: Elective (This class may also serve as a JWCC dual credit class)
- Prerequisites: Successful completion of Algebra II, teacher approval, pass the JWCC COMPASS Test

FST is the normal 4th year course for the college bound student. Content includes topics in statistics and function, trigonometric and circular functions, sequences, series, binomial theorem and probability as related to business application.

PRE-CALCULUS

- Credit: 1/2
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Successful completion of Algebra II or teacher approval.
- Materials needed: Graphing Calculator (TI 83 Plus)

This is an advanced course in high school math that covers in part the following: Review of Algebra II, review of geometry, trigonometry of right triangles, trigonometry of scalene triangles, logarithms and exponents, advance graphing of curvilinear figures, complex number systems, geometric constructions, graphing trigonometric functions, and advance word problems

CALCULUS

- Credit: 1/2
- Grade Level: 12
- Course Status: Elective (This class may serve as a dual credit class)
- Prerequisites: Successful completion of Algebra II, teacher approval
- Materials needed: Graphing Calculator (TI 83 Plus)

This is the most advanced course in mathematics offered. Topics include review of Algebra II and Trigonometry concepts. Geometry concepts, real and imaginary number systems, functions and graphing, polar & rectangular coordinate systems, limits and basic differentiation and integration techniques and their applications.

MUSIC DEPARTMENT

HIGH SCHOOL BAND

- Credit: 1
- Grade Level: 9,10,11,12
- Course Status: Elective
- Prerequisites: 1 year playing experience on a band instrument. Must be able to read music. Must be willing to perform outside of school time: football games, basketball games, parades, concerts, and contests.
- Materials: Student must purchase the following: White marching shoes, slacks, black shoes, white button front shirt with collar, cleaning fee for marching uniform and concert coat.

High School Band is a musical performing organization, which is broken down into marching band, pep band, and concert band. The marching band runs from August through October. The group performs at all local home football games, the Homecoming parade and 3 to 4 other parades in the area. The pep band performs at all home basketball games from December through February. The concert band runs from November through May. This group is the main musical performing organization in the school. The concert band performs 3 concerts a year: Christmas, winter, and spring. They also attend the I.H.S.A. band contest and perform for graduation.

The objective is to develop an aesthetic value that will lead to a more enriching life. This is done through skill development in performance and by listening to an extensive repertoire. Also by setting high standards of musicianship, theory, and skill development a student can grow to a greater understanding and appreciation for music.

CHORUS

- Credit 1
- Course Status: Elective
- Grade Level: 9, 10, 11, 12
- Prerequisites: None

The High School Chorus is a performance-based class with one of its primary objectives being to help students develop vocal skills through individual and ensemble performance. Activities will involve performing in class, outside of class, and several weekend concerts and contests depending upon the time of the year. NOTE: Participation in the outside activities will be mandatory. Another primary objective for the class is to develop a deeper understanding and appreciation for music and especially vocal music performances. Care of the voice as well as performance etiquette will also be emphasized. Other areas such as performance attire, grading parameters, etc. will be set up by the director. The director will set up ammeters, etc. in the fall

PHYSICAL EDUCATION DEPARTMENT

HIGH SCHOOL PHYSICAL EDUCATION

- Credit: 1
- Grade Level: 9,10,11,12
- Course Status: Required
- Prerequisites: High School Status
- Materials: PE uniform and shoes

Physical Education contributes to the development of the physical, mental and social situations through exercise and participation.

Objectives:

- 1.) To develop basic skills and techniques for participation in both individual and team sports.
- 2.) To develop a knowledge of the rules of the various sports and activities.
- 3.) To encourage teamwork as well as development of leadership qualities, that will be valuable in adult life.
- 4.) To encourage students to use the abilities they have to gain the most out of body control and coordination.
- 5.) To develop an awareness of safety during sport participation.

SCIENCE DEPARTMENT

GENERAL SCIENCE

- Credit: 1
- Grade Level: 9
- Course Status: Required
- Prerequisites: Freshman Status and teacher recommendation

This course is designed for those students who have difficulty with science. The class is broken down into four units beginning with science lab safety, skills, and equipment. Other units are: Earth's Waters (lakes, rivers, oceans, ground water, etc.); Earth's Changing Surface (topographic maps, erosion, weathering, soils); (If time allows other topics) Cells and heredity (cell structure, DNA, DNA fingerprinting, and heredity), A research project is required that determines 1/4 of the 4th quarter grade.

INTRODUCTION TO PHYSICAL SCIENCE (IPS)

- Credit: 1
- Grade Level: 9,10
- Course Status: Required
- Prerequisites: Freshman Status or teacher recommendation
-

IPS is academically a step above general science. The course covers various aspects of matter and energy. Major topics to be covered include: properties of matter, atomic structure, radioactivity, chemical activity of matter, organic chemistry overview, work, machines, electricity, magnetism, and whatever else time allows. Lab work is required. A research project that determines 1/3 of the 4th quarter grade is required.

BIOLOGY

- Credit: 1
- Grade Level: 10,11,12
- Course Status: Elective
- Prerequisites: IPS

Biology is the study of life. Basic biological principles and theories are presented so the student may understand activities and functions common to all living things. Topics covered include: cells, genetics, ethical issues, plants, and animals. Research and lab work including the dissection of plants and animals is performed. Students should understand that biology is considered necessary for the college-bound student.

ADVANCED BIOLOGY (2012-2013)

- Credit: 1
- Grade Level: 11,12
- Course Status: Elective
- Prerequisites: Biology

Advanced Biology is designed for those students intend to pursue career in Biology or who have a genuine interest in the field. The course is divided into four areas: Botany, Microbiology, Human Biology, and Animal Behavior. This gives the student a feel for the specific areas of Biology. Topics that the students have special interest in are also covered.

A research paper or multimedia project is required each semester. Lab work includes microscope slide staining for bacteria identification and construction of media, and one dissection.

ANATOMY & PHYSIOLOGY (2011-2012)

- Credit: 1
- Grade Level: 11,12
- Course Status: Elective
- Prerequisites: Biology

This class is geared toward those students interested in the medical field. The course includes cells and tissues, as well as the major systems of the human body: skeletal, muscular, nervous, circulatory, digestive, endocrine, respiratory, urinary, and reproductive. During the first semester, students will dissect and learn the anatomy of a cat to compare cat and human structure. The second semester will contain at least one smaller physiology project.

Physics

- Credit: 1
- Grade Level: 11,12
- Course Status: Elective
- Prerequisites: Successful completion of Algebra II or teacher approval

Physics is the study of the material world. Topics will include: mechanics, light, sound, electricity, magnetism, gravitation, and Einstein's theories of relativity. A major project will be completed each semester

CHEMISTRY I

- Credit: 1
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Successful completion of Algebra I or teacher approval

Chemistry I is designed to cover the fundamental concepts of the chemical nature of matter. Topics covered include: matter, atomic structure, periodic law, bonding, equations, types of reactions, gases, liquids, solids, solutions, and ionization. Labs will be performed.

CHEMISTRY II

- Credit: 1
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Chemistry I, Algebra II or teacher approval
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Chemistry II picks up where Chemistry I concludes. Topics covered include; acids/bases, pH, titration, organic chemistry, reaction kinetics, chemical equilibrium, oxidation-reduction reactions, element families and labs will be performed.

SOCIAL SCIENCE/HISTORY DEPARTMENT

WORLD HISTORY

- Credit: 1
- Grade Level: 9,10, or teacher approval
- Course Status: Required
- Prerequisites: High School status

The World History course spans the progress of man's political, religious, social, and economic development. The objectives of this program are:

- 1) To stimulate an interest in the world as a community of cultures.
- 2) To provide students with an understanding and appreciation of their role in the world.
- 3) To present them with man's activities as an interrelated and continuous process.
- 4) To promote critical thinking about man's past and its application to the future.

UNITED STATES HISTORY

- Credit: 1
- Grade Level: 9,10,11
- Course Status: Required
- Prerequisites: High School Status

This course surveys the major periods in American history from reconstruction to the 1930's a cursory review of the Civil War is also included. The text traces the political, economic, military, social, and religious path of America's development. The objectives of the course are:

- 1) To stimulate an interest in the study of American history and culture.
- 2) For the students to acknowledge America's past as a guide for the future.
- 3) To present the students with man's activities as a related body of progress.
- 4) To promote critical thinking.

CONTEMPORARY AMERICAN HISTORY

- Credit: 1/2
- Grade Level: 9,10,11,12
- Course Status: required
- Prerequisites: High School Status

This course will cover the time period from World War II up to the present time. Emphasis will be placed on World War II, the Cold War, and the social undercurrents of the 1950's leading up to and focusing on the unrest of the 1960's. Vietnam, Watergate, the place of the U.S. in a global economy, and the ramifications of the fall of communism in Europe would be important issues of focus as well.

CIVICS

- Credit: 1/2
- Grade Level: 11,12
- Course Status: Required

Students are taught that if government is to be effective, they must stay informed, make decisions, vote, hold office, and remain alert to the actions of the public officials to whom we entrust. Objectives include:

- 1.) To stimulate an interest in and an appreciation of

- our government.
- 2.) To provide students with an essential understanding of the operations of our government.
 - 3.) To promote careful thinking about government problems.
 - 4.) To encourage active participation in government activities.

INTRODUCTION TO PSYCHOLOGY

- Credit: .5
- Grade Level: 11,12
- Course Status: Elective
- Prerequisites: Health, Biology (Helpful, but not required) The Student is responsible for college tuition and text book. The Student must pass the JWCC COMPASS Test

Introduction to psychology is a yearlong course at the junior and senior grade levels. This course focuses on sensation and perception, learning, thinking, intelligence and creativity, child development, middle childhood, adolescence, adult living, death, and dying. Multiple outside information is utilized in this course and various activities are incorporated in conjunction with various topics. This course also focuses on states of consciousness, normal and abnormal behavior, and social behavior. An assortment of recourses is utilized in this course, and various activities are used in conjunction with diverse topics

STUDENT IMPROVEMENT DEPARTMENT

TEACHER ASSISTANT

- Credit: 1/2
- Grade Level: 12
- Course Status: Elective
- Prerequisites: No courses previously failed, office skills, no discipline or attendance problems

Seniors that wish to work in the offices or library will **be selected by the Principal**. Only Seniors with good grades and positive citizenship records need apply. A Teacher Assistant may be used in the high school or middle school as needed.

ACT PREP, COLLEGE AND CAREER EXPLORATION

- Credit: 1
- Grade Level: 11, 12
- Course Status: Elective
- Prerequisites: Junior Status and teacher recommendation

The objective of this course is to assist and prepare Unity college-bound students to take the ACT test. Goals of the class are for students to become familiar with general and specific test-taking strategies. Students will take practice tests and will also register for the actual test. Videos, practice manuals, and timing exercises will also be utilized. Students will also explore a variety of career opportunities that are of interest to them. Students will investigate the qualifications and benefits of various careers.

CO-OPERATIVE WORK SKILLS (classroom phase)

- Credit: 1
- Grade Level: 12
- Course Status: Elective
- Prerequisites: good standing with school- no discipline problems or excessive absenteeism.

This class devoted to a wide variety of job skills. Job seeking and job keeping skills will be covered including resumes, letters of applications, interviewing, getting along with people, following directions, conflict resolution, communication skills, professionalism, team work, telephone techniques, basic filing rules, and other basic job skills. Each student will develop a career portfolio for current and future use. This class will provide training in job seeking skills and people skills that will help students achieve success in the work world.

WORKPLACE SKILLS

- Credit: 1 +
- Grade Level: 12
- Course Status: Elective
- Prerequisite: Successful participation in the classroom phase of Work Skills, good standing with school- no discipline problems or excessive absenteeism and valid driver's license, insurance, and transportation to job sites.

Workplace Skills involves work based learning experiences at local businesses in each student's area of individual interest. The student will receive NO compensation for the work done at the business. The job site situation is for the benefit of the student to gain work experience in real work situations and to gain experience in real work situations and to gain practical job skills.

