

GEORGETOWN RIDGE FARM HIGH SCHOOL



JUNIOR/SENIOR COURSES

2022-2023

CREDIT BREAKDOWN

All courses receive .5 credits per semester. Each student needs 24 credits to graduate High School.

GRADUATION REQUIREMENTS AT GRHS

4 years of English, 3 years of Math, 2 years of Science (1 must be a lab), 2 years of Social Studies (American Hist, & Am. Gov/Con Ec), 4 years of PE, & 1 semester of Health.

For more information call 217-662-6716

JUNIOR & SENIOR COURSE DESCRIPTIONS

AGRICULTURE

*STUDENTS MUST BE IN AN AG CLASS TO BE IN FFA

INTRODUCTION TO AGRICULTURE:

The subject areas that will be taught include animal science, soil science, conservation, basic mechanics skills, and record keeping practices. Students taking this course should be interested in pursuing a career in the field of agriculture. Students must be in an Ag class to be in FFA

*Students are strongly encouraged to join FFA.

Length: 2 semesters Credits: .5 per semester Grades: 9-12

Prerequisite: None

BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE – (BSAA):

This course is designed for students to expand upon their basic understanding of biology and have real life experience in the areas of Soil Science, Plant Science, and Animals Science. Each area will have multiple “hands- on” lab exercises in the classroom and outside of the classroom on the school land lab.

*Students are strongly encouraged to be in FFA. Each of the three areas discussed will give students the necessary background to compete in FFA CDE's (Career Development Events).

Length: 2 semesters Credits: .5 per semester Grades: 10-12

Prerequisite: Biology I

AGRICULTURE MECHANICS:

The subject areas that will be taught include safety, principles and uses of electricity, welding, small engines, ag power units, and farm machinery. Projects in this class may be exhibited for competition in FFA CDE's.

*Students are strongly encouraged to join FFA.

Length: 2 semesters Credits: .5 per semester Grades: 10-12

Prerequisite: None

INTRODUCTION TO HORTICULTURE INDUSTRY:

This is an orientation level course designed to give students knowledge and experience in the various occupations related to Horticulture industry. Students will learn about topics involving plant propagation, greenhouse management, floral designs, landscaping, lawn development and care, orchard care, and vegetable gardening. They will be introduced to selecting and using various soil media, hand power tools, identifying plants, constructing and maintaining structures, and operating, repairing, and maintaining equipment used in the horticulture field. Students are strongly encouraged to join FFA. Students in FFA, in this class, may compete at the Horticulture CDE.

Length: 2 semesters Credits: .5 per semester Grades: 10-12

Prerequisite: None

AGRICULTURE MECHANICS 2:

Safety, Farm Machinery Restoration/Repair/Maintenance, Metal Working Project Design and Fabrication Projects in this class may be exhibited for competition in FFA CDE's.

*Students are strongly encouraged to join FFA.

Length: 2 semesters

Credits: .5 per semester

Grades: 10-12

Prerequisite: Ag Mech 1

AGRICULTURE BUSINESS MANAGEMENT:

Students will learn basic management principles, record keeping, decision making, and develop a small business plan for an agricultural business. It will be necessary for students to understand basic math, and have adequate comprehension skills. This class will count toward DACC credit and is non-transferable. Students are strongly encouraged to join FFA and may use their knowledge from this class to compete in the Ag Business Management CDE.

Length: 2 Semesters

Credits: .5 per semester

Grades: 11-12

Prerequisite: None

ART

ART & DESIGN:

This course is a beginning art class which primarily deals with the basic fundamentals of art. The class consists of simple drawing and design projects and the students generally work with pencil, charcoal, colored pencils, markers and pen and ink. A considerable amount of emphasis is placed on learning to draw what you see and on the elements and principles of design. First semester focuses on the elements of art while the second semester focuses more on the principles.

Length: 2 semesters

Credit: .5 per semester

Grades: 9-12

Prerequisite: None

ART& DESIGN 2:

This course is a continuation of Art and design 1. It allows students another art credit. A considerable amount of emphasis is placed on elements of art and principles of art.

Length: 2 semesters

Credit: .5 per semester

Grades: 9-12

Prerequisite: None

YEARBOOK:

This course will begin by learning some vocabulary that is fundamental in the process of putting the yearbook together. They later learn the basic guidelines of layout and design and then begin taking pictures and covering school events. They are involved in all elements of putting the yearbook together page by page throughout the course of the school year. Class lessons focus on the application of business, marketing, photography, and graphic design. This course may be repeated junior and senior year.

Length: 2 semesters

Credits: .5 per semester

Grades: 11-12

Prerequisite: None

*not for early graduates

BUSINESS

KEYBOARDING AND FORMATTING:

Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found

on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, reports, and tables for personal, educational, and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

Length: 1 semester

Credits: .5 per semester

Grades: 9-12

Prerequisites: none

COMPUTER SOFTWARE AND CONCEPT APPLICATIONS:

Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, robotics and visual programming. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

Length: 1 semester

Credits: .5 per semester

Grades: 9-12

Prerequisites: Keyboarding & Formatting

BUSINESS AND TECHNOLOGY CONCEPTS:

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs.

Length: 2 semesters

Credits: 0.5 per semester

Grades: 10-12

Prerequisites: Keyboarding & Formatting/ Computer Software & Concept Apps

ACCOUNTING 1:

Accounting I is a course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

Length: 2 semesters

Credits: 0.5 per semester

Grades: 10-12

Prerequisites: none

ACCOUNTING 2:

Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

Length: 2 semesters Credits: 0.5 per semester

Grades: 11-12 Prerequisites: Accounting I with a C or better.

CONSTRUCTION TRADES

CONSTRUCTION TRADES:

This course requires a student to construct an advanced project in wood, which is self-designed, paid for by the student and approved by the instructor. The project must be of sufficient scope to occupy a student for two semesters.

Length: 2 semesters Credits: 0.5 per semester Grades: 10-12

Prerequisites: C or better in *Introduction to Construction Trades* both semesters.

BUILDING TRADES I:

This course meets daily. It involves hands on, on-the-job experience at an advanced level in all areas of construction trades. Students are required to provide:

- (a) Waterproof Footwear
- (b) Coveralls or other suitable warm clothing
- (c) Gloves & hats
- (d) Class notebook
- (e) Pencil each day

Length: 2 semesters Credits: 0.5 per semester

Grades: 11-12

Prerequisites: C or better in *Construction Trades* both semesters

BUILDING TRADES II:

This course meets daily for 2 periods. It involves hands on, on-the-job experience at an advanced level in all areas of construction trades. Students are required to provide:

- (a) Waterproof Footwear
- (b) Coveralls or other suitable warm clothing
- (c) Gloves & hats
- (d) Class notebook
- (e) Pencil each day

Length: 2 semesters (double period days) Credits: 0.5 per semester Grades: 11-12

Prerequisites: Must pass *Building Trades I* with a B, or better both semesters

BUILDING TRADES III:

This course meets daily for 3 periods. It involves hands on, on-the-job experience at an advanced level in all areas of construction trades. Students are required to provide:

- (a) Waterproof Footwear
- (b) Coveralls or other suitable warm clothing
- (c) Gloves & hats
- (d) Class notebook

(e) Pencil each day
Length: 2 semesters (triple period days) Credits: .5 per semester
Grades: 11-12

Prerequisites: Must pass *Building Trades II* with a B, or better both semesters.

ENGLISH

ENGLISH II:

This course will cover many different forms of literature from all around the world. In reading these different texts, students will learn important literary terms and overarching themes throughout literature. Students will be reading various types of literature across multiple genres. These genres range from poetry to novels. Students will work as a class to develop the various skills they learn in different ways.

Length: 2 semesters Credits: .5 per semester Grades: 10

Prerequisite: Successful completion of English I.

ENGLISH III:

English III is a study of American Literature. The class is designed to address literature, grammar, and composition. This will be accomplished through utilizing a variety of genres. The literary terms associated with each genre will be addressed. Critical thinking, group discussion, and creative problem solving will be encouraged. SAT practice and vocabulary development are integrated in weekly lessons.

Length: 2 semesters Credits: 0.5 per semester Grades: 11

Prerequisite: Completion of English I and II

ENGLISH IIII:

English IV is a survey course in British Literature. Which means students will be covering the works of various British authors from the Anglo-Saxon period of the 8th century to the Modern and Postmodern movements on the 20th century. Students will read various types of literature across multiple genres. This class has a very heavy focus on critical thinking and class discussions in order to prepare students for work in college literature courses.

Length: 2 semesters Credits: 0.5 per semester Grades: 12

Prerequisite: Completion of English I, II & III

SHAKESPEARE:

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required.

Length: 1 semester Credits: 0.5 per semester Grades: 10-12

FAMILY & CONSUMER SCIENCE

FOOD AND NUTRITION 1:

This course is an orientation level course that includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applies nutrition for people of all ages. This course's 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; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to

change. Information related to careers in foods and nutrition is incorporated throughout the course.

Length: 1 semester
12

Credits:

0.5 per semester

Grades: 10-

Prerequisite: None

(OFFERED EVERY OTHER YEAR)

FOODS AND NUTRITION II

This course is a continuation of Foods and Nutrition 1. Students will build on previous knowledge through lab experiences in order to accomplish more advanced cooking techniques and a deeper study of nutrition.

credit;.5

length: one semester

Grades: 10-12

Prerequisite: Foods and Nutrition 1 **(OFFERED EVERY OTHER YEAR)**

CHILD CARE & DEVELOPMENT :

This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through adolescence. The course content centers around the following duty areas: managing and organizing child development by applying decision-making and goal-setting skills; promotion child development by applying physical, social, intellectual and emotional principles; practicing health and safety standards for children; providing experienced which encourage children to maximize resources; encouraging human relations skills in children; and evaluating family and career changes in relation to impact on children. Information related to careers in child care is incorporated throughout the course.

Length: 1 semester

Credit: .5 per semester

Grades: 10-12

Prerequisite: None

PARENTING:

This course is a preparation level designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Many types of parenting situations are examined. Stress preventions and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision and goal-setting skills; selecting resources to meet basic needs; identifying human resources available to the family/ individual; applying the basic principles of the parenting process; practicing safety information; providing experiences which encourage parents and children to maximize resources; applying consumer rights and responsibilities in the marketplace; encouraging human relations skills in children/adolescents; analyzing resource/consumer management skills necessary for present and future decisions and evaluating impact on parenting of family and career changes. Special attention is given to the importance of readiness for parenthood.

Length: 1 semester

Credits: 0.5 per semester

Grades: 11-12

Prerequisite: None

HUMAN DEVELOPMENT & RELATIONSHIPS:

This course is a preparation level designed to assist individuals and families in achieving life satisfaction through responsible participation as adults in the home, community, and workplace. Emphasis is placed on the development of prevention strategies which will assist individuals in responding to situations in terms of their identified values and goals. The course content includes the following duty areas: developing short and long-range plans, demonstrating goal-setting and decision-making skills; evaluating and adapting basic needs to assume roles and responsibilities; applying consumer rights and

responsibilities, recognizing and following health and safety practices that assist in coping; selecting and using resources to enhance individual growth and development; analyzing resource/consumer management skills necessary for present and future decisions; developing effective relationships to promote communication with others; and evaluating family and career changes as to the impact on individuals. Various resources to assist with life problems are explored. Also covered are facility design, care and management.

Length: 1 semester Credits: 0.5 per semester Grades: 11-12

Prerequisite: None

FOREIGN LANGUAGE

SPANISH I:

This course is a college preparatory course recommended for students wishing to attend a 4-year university. This course uses the text Spanish for Masters 1 and accompanying supplement materials. Students are introduced to new vocabulary in each lesson as well as grammar. Students are expected to express themselves in oral communication, written communication, reading comprehension and listening comprehension skills. In addition, students will study the culture and traditions of Spanish-speaking families and countries.

Length: 2 semesters Credits: 0.5 per semester Grades: 9-12

Prerequisite: Should have a B or better in previous English class

SPANISH II:

This course is a college preparatory course and begins with the completion of the Spanish for Mastery 1 text. Students continue with the grammar concepts and dialogues using vocabulary learned in Spanish I. Oral, written, listening, and reading skills are all practiced more comprehensively and within a variety of contexts. Projects are interspersed throughout the year. There is continued study of culture and traditions of Spanish-speaking families and countries.

Length: 2 semesters Credits: 0.5 per semester Grades: 10-12

Prerequisite: C or better in Spanish I and a B or better in English.

MATH

ALGEBRA I:

This is designed to be an entry level Algebra course to freshman students.

Length: 2 semesters Credits: 0.5 per semester Grades: 9-12

Prerequisite: None

GEOMETRY:

This is designed to be the 2nd year of basic skills math that introduces geometric skills.

Length: 2 semesters Credits: 0.5 per semester Grades: 9-12

Prerequisite: For students who have passed Algebra I

ALGEBRA II:

This course is designed to provide the 3rd year of math for students. It expands student's previous skills.

Length: 2 semesters Credits: .5 per semester Grades: 10-12

Prerequisite: Third math courses for students who have passed Algebra I and Geometry.

Financial Algebra:

This course is designed to be a 3rd year math alternative to Algebra 2 or as a 4th year math course for those planning to go straight into the workforce after high school.

Length: 2 semesters (can be taken as 1 semester) Credits: .5 per semester

Grades: 11-12 Prerequisites: Passing grades in Algebra 1 and Geometry

PRECALCULUS:

This course is designed as an advanced level course for those planning on going to college, entering a math, science, engineering, or medical related field.

Length: 2 semesters

Credits: .5 per semester

Grades: 11-12

Prerequisites: Passing grades in Algebra 1, Geometry, and Algebra 2, and have met or exceeded the standards of the mathematics portion of the SAT's.

STATISTICS:

This course is designed to provide a 4th year math option for those planning on going to college, not entering a math related field.

Length: 2 semesters

Credits: .5 per semester

Grades: 12

Prerequisites: Passing grades in Algebra 1, Geometry, and Algebra 2, and have met or exceeded the standards of the mathematics portion of the SAT's.

QUANTITATIVE LITERACY & STATISTICS:

This course is designed to provide a 4th year math option for those planning on going to college.

Length: 2 semesters

Credits: .5 per semester

Grades: 12

Prerequisites: Passing grades in Algebra 1, Geometry, and Algebra 2, and have not met or exceeded the standards of the mathematics portion of the SAT's.

MUSIC

VOCAL MUSIC (Chorus):

Chorus meets the requirements toward high school graduation and serves as a credit in foreign language toward acceptance into many 4 year colleges. This course is offered at the high school for students to continue their musical training. Students will study music performance, music theory and music history. They will participate in at least 4 concerts and County Festival. Grading in vocal music is based on participation in class, both written and oral evaluations and attendance at performances. Because chorus is an elective course, a participation fee is applied.

Length: 2 semesters

Credit: .5 per semester

Grades: 9-12

Prerequisite: Approval of instructor

GENERAL BAND

This course is for experienced players of brass, wind and percussion instruments, requires a week of instruction in July/August and fees. Fundraisers are available to help students make payments. Students will study and perform all types of music including Uniformed Marching Band, Concert Band, and Pep-Band. The grade will be based on participation in the many performances at athletic events, competitions and concerts. Students will take a Final Exam.

Length: 2 semesters

Credits: .5 per semester

Grades: 9-12

Prerequisite: Receive a passing grade in MMJH Music or by obtaining instructor permission.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION:

This course is offered to 9th-12th grade students. Students will learn a variety of rules, skills, fundamentals and strategies in multiple team activities. Safety and sportsmanship will be emphasized. There will be fitness and running components to the course. Activities include, but are not limited to: softball/kickball, volleyball variations, flag football, soccer, pickleball, floor hockey, table tennis, badminton, archery, sepak takraw, roller skating, and other team sports. State mandated Fitnessgram will be administered in pre- and post-test forms at all grade levels.

Length: 1 semester

Credits: .5 per semester

Grades: 9-12 Prerequisite: None

ATHLETIC PE:

This course is offered to 9th-12th grade students. This course is designed for students to learn proper lifting techniques, spotting methods, weight room safety and workout routines. Activities will include, but are not limited to, a multitude of lifts utilizing free weights and machine weights, as well as an emphasis on conditioning and fitness. State mandated Fitnessgram will be administered in pre and post- test form.

HEALTH EDUCATION:

This course is designed to place increased emphasis on health promotion and disease prevention. The textbook and materials presented emphasize student self-awareness for better health and the development of personal skills for health improvement.

Length: 1 semester

Credits: .5 per semester

Grades: 10-12

Prerequisite: None

SCIENCE

BIOLOGY I:

This is an introductory class that deals with the structures, functions, and processes of living things. It is a laboratory-orientated class involving the methods and technology of science.

Length: 2 semesters

Credits: .5 per semester

Grades: 9-12

Prerequisite: General Science

BIOLOGY II:

The course expands coverage of environmental study and focuses on taxonomy of plants and animals, etc. It includes dissections and anatomical comparisons and mammalian physiology as well as microbiology.

Length: 2 semesters

Credits: .5 per semester

Grades: 10-12

Prerequisite: C or better in Biology I or permission of the instructor.

CHEMISTRY I:

This course is a basic course in chemistry, but college prep is the purpose. It is highly recommended for anyone considering science or science related majors. Included are mole concepts, writing and balancing equations, gas law, pH and titration. All measurements are metric quantities.

Length: 2 semesters

Credits: .5 per semester

Grades: 9-12

Prerequisite: B or better in Algebra I

CHEMISTRY II:

This is an advanced chemistry class which emphasizes organic chemistry, chemical equilibrium, radioactivity, thermodynamics, and qualitative analysis.

Length: 2 semesters

Credits: .5 per semester

Grades: 10-12

Prerequisite: C or better in Chemistry I

ENVIRONMENTAL SCIENCE (FIELD BIO):

This course involves working in the Kulbartz nature preserve. It includes monitoring plant and animal populations in the prairie and woods habitats. Classroom work includes forestry, herbarium, and museum practices.

Length: 2 semesters

credits: .5 per semester

Grades: 10-12

prerequisite: C or better in both bio 1 and algebra 1.

EARTH & SPACE SCIENCE:

introduce students to the study of the earth from a local and global perspective.

Length: 1 semester

Credit: .5

Grades: 9-12

LIFE ENRICHMENT ELECTIVES

DRIVERS EDUCATION:

This course meets the state required hours of classroom and six hours of “behind the wheel” training. Upon successful completion of the course, the student will be certified to receive their driver’s license.

This will allow the student to receive a driver’s license before the age of 18.

Length: 18 weeks Credits: .5 per semester Grades: 10-12

Prerequisite: Successful completion of 8 semester hours in the previous two semesters.

Successful completion of physical education requirement, and MUST have passed 1 Semester of English I and Algebra 1.

SOCIAL STUDIES

WORLD HISTORY:

This course covers the ancient history, the Middle Ages, and some modern history. Current world problems will also be discussed. It is designed for the average student who wants to learn more about Asia, Europe, Africa, and other cultures. This course also takes a look at current events around the world.

Length: 2 semesters Credits: .5 per semester Grades: 9-10

Prerequisite: None

AMERICAN HISTORY:

This class is a survey course of American History. The first semester examines the following topics: American beginnings to 1783, starting a New Nation, The Age of Jackson, Early Reforms for Social change, Expansion and Conflicts.

The second semester examines the Decade of Crises (1850’s), Slavery, Political Issues and Causes of the Civil War, Reconstruction of the South and Connection to Civil Rights Movement, the Industrial Revolution, The United States on the World Stage, The 1920’s = Boom, Bust, and Isolation, The Great Depression and New Deal Reforms, World War II: Causes and Consequences, Holocaust Issues, Cold War Tensions, The USA and its’ role in the international policy.

Length: 2 semesters Credits: .5 per semester Grades: 11-12

Prerequisite: None

AMERICAN GOVERNMENT:

This is a required course involving the study of the functions of the U.S., State and local governments with an emphasis on the U.S. Constitution. Students also learn the responsibility of being an informed citizen by investigating the impact of events large and small.

Length: 1 semester Credits: .5 per semester Grades: 11-12

Prerequisite: None

CONSUMERS ECONOMICS:

This is a required course designed to teach students to become more efficient consumers through a study of consumerism: e.g. budgeting, housing, insurance, food, clothing, and checking/savings, etc. al. Students finish this course with a stronger understanding of financial literacy.

Length: 1 semester Credits: .5 per semester Grades: 11-12

Prerequisite: None

SOCIOLOGY: Sociology covers the exploration of groups, institutions, conformity and deviant behavior. Other topics focus on understanding sociological perspective in relation to culture to better grasp world and local events.

Length: 2 semester Credits: .5 per semester Grades: 11-12

Prerequisite: None