

Greensburg Central Catholic High School



PROGRAM OF
STUDIES
2010-2011

GREENSBURG CENTRAL CATHOLIC HIGH SCHOOL

Curriculum

COURSE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<i>RELIGION</i>	Religious Studies I	Religious Studies II	Religious Studies III	Responding to the Call of Jesus Christ *R *S Living as a Disciple of Jesus in Society *S World Religions *F *S
<i>ENGLISH</i>	English I Modern English I Honors English I Academic Skills *S <i>*Academic Skills is a required course for our students taking our basic academic or college preparatory classes, it's an elective for students who are in our honors Math, English, and Science courses.</i>	English II Modern English II Honors English II Yearbook *S Public Speaking *S Newspaper *S	Modern English III Honors English III Composition /Rhetoric *F *S Creative Writing *S Newspaper *S Yearbook *S SAT/Verbal Skills *S Public Speaking *S	Modern English IV Honors English IV AP English* F Creative Writing *S Composition/Rhetoric *F *S Newspaper *S Yearbook *S Public Speaking *S
<i>SOCIAL STUDIES</i>	Geography *S	World Cultures Honors World Cultures	American Cultures AP U.S. History *F Economics *S Psychology *S	Civics *R *S AP Psychology *F Psychology *S Sociology *S Economics *S
<i>MATHEMATICS</i>	Pre Algebra Algebra Modern Algebra I Modern Geometry Plane/Solid Geometry	Algebra Geometry Modern Geometry Modern Algebra II Advanced Algebra II Plane/Solid Geometry	Geometry Algebra II Modern Algebra II Advanced Algebra II Modern Trigonometry *S College Algebra *S Advanced Trigonometry *S Pre-Calculus *S Probability/Statistics *S Visual Basic *S	Modern Trigonometry *S Trigonometry *S Advanced Trig *S Pre-Calculus *S College Algebra *S Probability/Statistics *S Visual Basic I *S Visual Basic II *S Intro to Calculus *S Calculus *F
<i>SCIENCE</i>	Earth/Space Science Intro Chemistry/Physics Honors Biology *L	Biology Modern Biology Modern Chemistry Honors Chemistry *L	General Science Modern Chemistry Earth/Environmental Honors Physics *L *F AP Chemistry *L *F AP Biology (L) *L *F	Earth/Environment Anatomy/Physiology Modern Chemistry Modern Physics Honors Physics *L *F AP Chemistry *L *F AP Biology *L *F
<i>WORLD LANGUAGES</i>	French I, II Spanish I, II German I, II Latin I	French I, II, III Spanish I, II, III German I, II, III Latin I, II	French I, II, III, IV Spanish I, II, III, IV German I, II, III, IV Latin I, II, III	French I, II, III, IV Spanish I, II, III, IV, V *F German I, II, III, IV, V Latin I, II, III, IV
<i>FINE ARTS VISUAL</i>	Freshman Art *S	Art Appreciation *S Creative Design *S	Creative Design *S Drawing and Painting *S Sculpture/3D *S Art Appreciation *S The Art of Film *S	Advanced Art *S Creative Design *S Drawing and Painting *S Sculpture/3D *S Basic Black & White Photography *F *S The Art of Film *S
<i>FINE ARTS PERFORMING</i>	GCC Band GCC Choir (audition) String Ensemble Acting Theatre Production All *S	GCC Band GCC Choir (audition) Madrigal Singers (audition) String Ensemble Acting Theatre Production All *S	GCC Band GCC Choir (audition) Madrigal Singers (audition) String Ensemble Music Theory I (S1) Music Theory II (S2) *F Theatre Production Acting / Advanced Acting All *S	GCC Band GCC Choir (audition) Madrigal Singers (audition) String Ensemble Music Theory I Music Theory II *F Acting/Advanced Acting Guitar I Theatre Production All *S
<i>PHYS ED/HEALTH</i>	Phys Ed Health and Wellness Contract Phys. Ed.	Phys Ed Contract Phys. Ed. CPR / Healthy Lifestyle	Phys Ed Contract Phys. Ed. CPR/Healthy Lifestyle	Phys Ed Contract Phys. Ed. CPR/Healthy Lifestyle
<i>BUSINESS/ TECHNOLOGY</i>	Graphic Design Television Production All *S	Accounting I Graphic Design *S Television Production *S Business Law *S	Accounting I Accounting II *F Business Law *S Graphic Design *S Television Production *S	Accounting I Accounting II *F Business Law *S Graphic Design *S Television Production *S

*F—FACES COURSE, *S—SEMESTER COURSE, *R—REQUIRED COURSE OF THE SEMESTER OPTIONS, *L—LAB SCIENCE

FORMATION THROUGH ADVANCED CATHOLIC EDUCATION AND SCHOLARSHIP (FACES PROGRAM) - COLLEGE IN HIGH SCHOOL

Seton Hill University	St. Vincent College	Mt. Aloysius College	University of Pittsburgh (not in our FACES program)
Composition and Rhetoric, World Religions, AP Biology (L), AP Chemistry (L), Spanish V, Calculus, AP U.S. History, AP English, Accounting I/II (combination), AP Psychology	Calculus, Honors Physics, Music Theory II, Photography, Spanish V, World Religions	Calculus, AP Biology (L), AP Chemistry (L), AP U.S. History, AP English, AP Psychology	Calculus

Greensburg Central Catholic aims to provide a program of studies, which develops the skills, and talents of each student. In addition to the required courses, students are encouraged to elective courses, which are challenging in nature.

Listed below are the course requirements:

<i>COURSE</i>	<i>GRADE LEVEL</i>
English	9,10,11,12
World Language	9, 10
Health	9
Mathematics	9, 10, 11
Physical Education	9, 10, 11, or 12
Religion	9,10,11,12
Science	9, 10, 11
Social Studies	9,10,11,12

GREENSBURG CENTRAL CATHOLIC REQUIREMENTS FOR GRADUATION—27 Total Credits

Religion	4 credits
English	4 credits
World Language	2 credits
Social Studies	3 1/2 credits
Math	3 credits
Science	3 credits
Health	1/2 credit
Physical Education	1 credit
Fine Arts	1 credit
Electives	5 credits

Note: In an extenuating circumstance, with administrative approval, if a student withdraws from a scheduled course before October 1 (February 15 for second semester courses) that course will not appear in the student record. If a student withdraws from a scheduled course, after October 1 (February 15 for second semester courses) the course will appear on the official transcript with a “**W**” indicating that the student withdrew from the course.

BUSINESS

0400 Accounting 1
Sophomores, Juniors, Seniors
Credit: 1

Accounting I will give the student a thorough background in the basic accounting procedures used to operate a business. The concepts and procedures presented will serve as a background for employment in office jobs and prepare the students for studying business in college. Students will study the logic and theory of the accounting cycle to understand and interpret financial data. The principals and methods of recording transactions, posting, and preparing financial statements are an integral part of the course with a focus on service and merchandising businesses organized as sole proprietorships and partnerships. All future business majors should take this course.

0410 Accounting II FACES
Juniors, Seniors
Prerequisite: Accounting I, grade of C
Weighted: 1
Credit: 1

Accounting II is designed for the business student and the college bound business major. Accounting II is an advanced course that builds upon the basics acquired in Accounting I. During the first semester this course will improve and broaden the student's knowledge and understanding of accounting concepts and procedures to include accruals and depreciation and apply them to corporate accounting. The second semester will focus on applying accounting concepts and procedures in order to interpret financial documents and the completion of an accounting project.

0615 Graphics Design
Freshmen, Sophomores, Juniors, Seniors
Credit 1/2

This course introduces students to the basic elements of visually appealing designs in media and web browsing. Topics such as web design theory and visual creation will be discussed along with projects addressing these issues. Elements of this course will be learned during the student's creation of their own web site, posters and other projects which require graphic elements. The course will utilize such programs as Macromedia Dreamweaver, Macromedia Fireworks, and Adobe Photoshop.

0620 Television Productions
Freshmen, Sophomores, Juniors, Seniors
Credit 1/2

This course introduces students to the basic elements of video capturing, editing, and studio productions. Theory and practice will be taught in a practical application for those students who would like to pursue knowledge of video production. The course will utilize Pinnacle Studio Software to edit film, multiple video cameras, and audio equipment

0731 Business Law
Sophomore, Juniors, Seniors
One Semester
Credit: 1/2

In Business Law the student will study true situations that show how business and personal law impacts not only business, but the lives of young people and adults as well. This class will help students achieve an understanding of legal principles that can be used throughout their entire lives or as a basis for continued study. Business Law covers topics of ethics, personal rights, criminal and civil law, and contracts. The objective is to develop a well-informed person who will appreciate more clearly their personal duties and obligations. It also aims to help students recognize their rights and obligations as well as legal responsibilities.

ENGLISH

1015 SAT Verbal Skills
Juniors
One Semester
Credit: 1/2

This course focuses on building and enriching vocabulary skills to help prepare the junior student for the SATs and higher level composition.

1100 English I
Freshmen
Credit: 1

Students are presented with a detailed study of the writing process and are given close supervision in paragraph writing. In literature, students exam the short story, drama, and the novel. Students develop their verbal communication skills through the presentation of a formal speech. Students also are introduced to the library.

1101 Modern English I
Freshmen
Credit: 1

The freshman year stresses grammar and spelling skills to provide the student with a sound base for writing. Composition includes practice in writing sentences as well as various types of paragraphs. Additional time is spent on the reinforcement and development of speaking skills, which is assessed through the presentation of formal speeches. The course also aims to introduce freshmen to the literary genres of the novel, drama, poetry, essay, mythology, and the short story

ENGLISH

1102 Honors English I
Weighted .5
Freshmen
Credit: 1

The first in the series of advanced English classes, this course is designed for students who excel in language and composition skills. Emphasis is on the study of literature, including the novel, short story, drama, poetry, medieval literature, and composition, especially expository and creative writing skills. Students develop their verbal communication skills through the presentation of a formal speech. Grammar is reviewed as needed.

1870 Academic Skills
Freshmen
One Semester
Credit: 1/2

This semester-long course is an introduction to the academic skills and study strategies necessary for success at the high school level. Areas of focus include organization; preparation; study methods and skills; and in-class (e.g., note-taking), homework, and test-taking approaches. Through this course, students will learn the skills and strategies required for making effective transitions from junior high to high school, from year to year at GCC, and from high school to college. All academic disciplines are taken into account and addressed specifically throughout the semester. Both objective and written assessments are used to measure student progress in the course.

1200 English II
Sophomores
Credit: 1

In this course, students continue to work toward competency in oral and written language. Experience is provided for further study of the writing process in conjunction with sentence construction, grammatical usage, and vocabulary growth. Continued study of literature reinforces the skills acquired in a close examination of short stories, drama, film and the novel. Students also are introduced to the formal five-paragraph essay. Technology for research and for presentation is fostered.

1201 Modern English II
Sophomores
Prerequisite: Final grade of 93% in English I (1100) is required to go into Modern English II.
Credit: 1

This course continues the study of literary genres of the short story, drama, poetry, the novel, biography, autobiography, and essay. Students read medieval tales and legends from various world sources. Writing skills are expanded to include further development of the writing process, the thesis statement and to developing a five-paragraph composition. Further work is done in developing the student's critical thinking ability, vocabulary, and creativity.

1202 Honors English II
Sophomores
Prerequisite: An 87% or better in all quarters of English 1102 and teacher recommendation. If transferring from English 1101, a 93% or better in all quarters is required
Weighted .5
Credit: 1

A continuation of Honors English I, this honors course is designed for sophomores who have demonstrated superior language skills. Critical analysis of various forms of literature (e.g., the novel, the short story, drama), thematic comprehension and application, extensive written communication, and the study of vocabulary are integral parts of the course. Students are introduced to the formal five-paragraph essay writing paradigm, which is incorporated by students into the MLA college research paper.

1301 Modern English III
Juniors
Credit: 1

Through this survey course, students analyze the development of American literature from the earliest recorded examples of Native American origin myths to contemporary themes. Students examine the growth of American literature chronologically by exploring prominent literary philosophies and their relationships to corresponding events in American history. Various forms of literature are investigated, including essays, speeches, novels, short stories, poems, historical documents, and drama. Learning and assessment based on the five-paragraph essay writing paradigm is continued, culminating in the MLA college research paper.

1302 Honors English III
Juniors
Prerequisite: An 87% or better in all quarters of English 1202 and teacher recommendation. A 93% or better in all quarters is required, if English 1201 was taken.
Weighted .5
Credit: 1

In this American literature survey course, students explore the nation's literary heritage and development from early colonial times to the contemporary period. Students examine representative selections from prominent historical narratives, speeches, and documents that profile the country's religious, cultural, and political evolution as they evaluate their correspondence to events in American history. Various literary genres that include short stories, essays, themes, poetry, novels, and drama are presented. Writing assessments serve to facilitate students' success with the five-paragraph essay paradigm and composition of the collegiate MLA research paper.

ENGLISH

1401 Modern English IV
Seniors
Credit: 1

This course is a comprehensive overview of English literature from the Anglo-Saxon period to the twentieth century. Major literary forms, including the novel, are studied and analyzed. The four-year development of composition skills is demonstrated in the improvement of essay writing and in a research paper.

1402 Honors English IV
Seniors
Prerequisite: An 87% or better in all quarters in Honors English III and teacher recommendation. A 93% or better in all quarters and term exams is required if English 1300 is taken.
Weighted .5
Credit: 1

This course is an Honors English course for seniors who are interested in a more challenging course than English IV, with the expectation that students will be able to handle independent work, but not requiring the intense reading list for the A.P. Class. It is a survey of British Literature, giving an historical perspective, a study of the development of the English language, and an in-depth analysis of British Literature. Research and writing presentation are an integral part of this course; therefore, a research paper must have been written before entering this course. Additional literature, not covered in English IV, is added to the literary works in the Senior Anthology. This class is NOT to prepare the student for the A.P. Exam.

1405 Advanced Placement English—FACES
(Literature and Composition)
Seniors
Prerequisite: An 89% or better in all quarters of English 1302 and teacher recommendation.
Only students who complete English 1302 may apply.
Weighted 1.0
AP Test/College Credit
Credit: 1

The Advanced Placement Course in Literature and Composition is a course which emphasizes the development of skills in critical reading of imaginative and discursive literature and in writing about literature and related ideas. It is for students capable of doing college-level work, who are willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. A primary goal of this course is to enable students to demonstrate their achievement in college-level work by taking the Advanced Placement Exam in Literature and Composition administered by the Educational Testing Service for the College Board in May of each school year.

****Guidelines for plagiarism will be strictly followed.**

1510 Creative Writing
Juniors*, Seniors
One Semester
Credit: 1/2
***Juniors with 10th Grade English Teacher Recommendation**

This course is designed for students who wish to develop their writing talents. Students will learn to express themselves creatively through a study of essay, prose, poetry, and play writing.

1601 Newspaper
Freshmen, Sophomores, Juniors, Seniors
One Semester
Credit: 1/2

Through this study of journalistic theory, layout procedures, and newspaper writing, this course prepares students to publish the school newspaper. This course is required for membership on the newspaper staff.

1700 Yearbook
Freshmen, Sophomores, Juniors, Seniors
One Semester
Credit: 1/2

Through a study of yearbook theory, including typography, photographic special effects, and page layout, the students in this class are prepared to have responsibility for publication of the yearbook. Students will have extensive exposure to the program, Adobe PageMaker. This program is the one that is used to create GCC's Yearbook. This course is required for membership on the yearbook staff.

1850 Composition and Rhetoric-FACES
Juniors*, Seniors
Prerequisite: Students must have an 87% average or higher in English class and teacher recommendation to enter this course. Enrollment is limited to a maximum of 15 students for each section.
Weighted .5
Honors Level/College Credit
One Semester
Credit: 1/2
***Juniors with a 90% average or higher in English classes and a 10th Grade English Teacher Recommendation**

This is an honors English elective course that focuses on writing skills. Essay form will be emphasized including: introductory and concluding paragraphs; paragraph unity, coherence, and adequate support; logical progression of thought; standard English grammar and usage; accurate mechanics; and research techniques. In addition to essay writing, novel study and the writing of a research paper using MLA style will be required. Students may earn college credit through Seton Hill University.

ENGLISH

- 1860 Public Speaking**
Sophomores, Juniors, Seniors
Elective
One Semester
Credit 1/2

This course is designed for students who wish to develop oral presentation skills, including planning and executing speeches. The class focuses on a variety of speeches, including the speech to inform, personal experience, pet peeve or opinion speech, persuasive, and speech to motivate. Students learn how communication works, and how to build a speech. Students are required to make sentence outlines and note cards to accompany each speech.

FINE ARTS

- 2100 Freshman Art**
Freshmen
One Semester
Credit: 1/2
Lab Fee: \$30.00

This studio art course is for students with an interest in and of making their own art. This class will meet everyday for one semester. Students will complete an array of thematic projects with a wide variety of mediums. These include pencil, pastels, paint, and clay. Some assignments consist of drawing a still life, creating a ceramic tile, totem pole painting & story writing, tessellations and much more.

- 2101 Art Appreciation**
Sophomores, Juniors
One Semester
Credit: 1/2
Lab Fee: \$20.00

This class introduces the student to Art History by exploring the many styles and periods of art from prehistoric to modern. The course includes some studio projects such as drawing, painting, printmaking, as well as, viewing slides and videos, completing worksheets and several quizzes. A poster-presentation is given by students to complete the semester, along with an in-class reproduction of a prominent artist's work.

- 2170 Creative Design**
Sophomores, Juniors, Seniors
One Semester
Credit: 1/2
Lab Fee: \$30.00

This course is for students who enjoy making art and want to experience a variety of mediums. Students will explore the elements of design (line, shape, color, texture, form) by completing projects in clay, drawing & design, printmaking and assemblage. We will also incorporate various recycled materials into projects for more eco-friendly work.

FINE ARTS

- 2171 Drawing and Painting**
Juniors, Seniors
One Semester
Credit: 1/2
College Credit
Lab Fee: \$30.00

This course is for students who want to learn more about two-dimensional art and improve their skills. We will cover drawing in various mediums such as pencil, charcoal, and pastels. Painting will be with water color, tempera and acrylic. Work completed will be appropriate for art portfolio for college.

- 2181 Sculpture/3D**
Juniors, Seniors
One Semester
Credit: 1/2
Lab Fee: \$30.00

This course is for students who want to learn about three-dimensional art. We will be creating sculpture in various mediums with a strong concentration on clay.

- 2191 Advanced Art (S2)**
Seniors Only
Prerequisite: Drawing and Painting and Sculpture/3D, or Art Teacher approval. (Must have a grade of 95% or better in Drawing and Painting and Sculpture/3D courses)
One Semester
Credit: 1 /2
College Credit
Lab fee: \$30.00

This course provides the opportunity for the more serious art student to explore drawing, painting, sculpture and printmaking more in-depth.

- 2301 Basic Black & White Photography—FACES**
Seniors
Required Equipment: Students must have a 35mm camera.
One Semester
Weighted .5
Credit: 1/2
College Credit
Lab fee: \$50.00

This is a foundation course designed to introduce the student to photo history, film cameras, artistic photographing, film developing and photo enlarging in the darkroom. This course will include use of a textbook, note taking with lecture, demonstrations, critiques, shooting photos outside of school, written report, quizzes and a test.

FINE ARTS

2500 GCC Band
Freshmen, Sophomores, Juniors, Seniors
Credit: 1

Concert Band provides the opportunity for students to develop technical and musical skills through preparation and performance of quality band literature. Students will explore a variety of music styles including classical, marches, jazz, Broadway and popular music. Since rehearsals and performances outside of class are limited, it is possible for students to participate in Band and be involved in other school activities. Members of the Concert band may also choose to participate in Marching Band, Jazz Ensemble, Color Guard and Chamber Ensembles.

2510 String Ensemble
Freshmen, Sophomores, Juniors, Seniors
Full Year
Credit: 1

String Ensemble is open to experienced orchestral string players (violinists, violists, cellists and bassists) who wish to expand their musical abilities and perform a variety of music that has been arranged for string ensemble. String Ensemble provides the opportunity for students to develop technical and musical skills through preparation and performance of quality string literature. Students will explore a variety of musical styles including classical, jazz, Broadway and popular music.

2670 GCC Choir
Freshmen, Sophomore, Junior, Senior
Requirement: Vocal Audition
Credit: 1

The GCC Choir gives any student who likes to sing the opportunity to develop their voice and musical skills through singing. The study of music strengthens critical thinking skills, utilizes the creative part of the brain and nurtures a positive self-image. They will explore various styles of music including pop, jazz, spirituals, and Broadway. Students will learn basic music theory and sight-reading skills.

2680 GCC Madrigal Singers
Sophomores, Juniors, Seniors
Requirement: Vocal Audition, Musicianship Test, Limited Enrollment

The GCC Madrigal Singers is a select acappella vocal ensemble whose primary purpose is to provide an opportunity for serious choral musicians to develop their musical skills. Students will explore challenging choral literature from the Renaissance, Classical, Romantic and Contemporary periods. They will develop music literacy and learn advanced sight-reading skills. Admission to this group is based on a Vocal Audition and a Musicianship test.

2715 Guitar
Seniors
Required Equipment: Students must have their own guitar.
One Semester
Credit: 1/2

Students will learn basic rhythmic and tonal skills through a popular medium. Through playing the guitar, students will learn basic music reading, guitar technique as well as develop their rhythmic and tonal abilities. This course will give the students the necessary skills for a lifetime of musical involvement.

2120 The Art of Film
Junior, Senior
One Semester
Credit: 1/2
Lab Fee: \$50.00

This film appreciation course will focus on the art of cinema from past to present. Students will view, analyze, discuss, critique and write about selected movies to better understand the primary elements of film. A wide range of genres will be viewed so that students can compare and interpret cultural and time period differences, identify specific cinematic movements, surmise director intent, and examine actor performance. Students will be responsible for writing reflections in and out of class, some assigned readings & answering questions, and several short quizzes on all material viewed.

2720 Music Theory I (S1)
Juniors, Seniors
One Semester
Credit: 1/2
Teacher Approval

This course is designed for those students who have a basic working knowledge of music and wish to pursue their study further. Students will learn the basics of music theory, including key and time signatures, musical notation, scales and modes. Students will then be able to employ these elements of composition by learning basic compositional technique. This course will also serve to prepare students who plan to attend a school of music upon graduation.

2720 Music Theory II (S2) – FACES
Weighted: .5
Juniors, Seniors
Prerequisite: Music Theory I (With a grade of 96% or better)
One Semester
College Credit
Credit: 1/2

Students will have the opportunity to apply fundamentals learned in Music Theory I to arranging existing music for different contexts as well as original compositions. Areas of music theory to be covered include melody, harmony, dictation, rhythm, articulation, dynamics, texture and form as well as orchestration and arranging for instruments and voices.

FINE ARTS

2730/2732 Acting/Advanced Acting
Freshmen, Sophomores, Juniors,
Seniors
One Semester
College Credit
Credit: 1/2

Through hands-on practice, students gain an initial exposure both to the language of the theatre and to acting itself developing body and voice and becoming acquainted with the various elements of an actor's work. This introduction to acting and theatre techniques includes character and scene improvisation, movement, and speech. Students will develop communication skills through the preparation and performance of several monologues and scenes from both contemporary dramatic literature and Shakespeare.

2735 Theatre Production
Freshmen, Sophomore, Junior, Senior
One Semester
Credit:1/2

Theatre production is a hands-on approach to learning production skills necessary to prepare a theatre presentation. Students will learn about the "behind the scenes" world of theatre production along with life skills such as group collaboration, following directions, self-discipline and responsibility. Students will explore various aspects of technical theatre including set design and construction, lighting, costuming, make-up, prop construction, sound, stage management and marketing.

MATHEMATICS

4101 Pre-Algebra
Freshmen
Credit: 1

This course is designed for those freshmen needing an additional year of preparation before beginning an algebra course. This course will focus on algebra, geometry, real-life applications, and review of basic math concepts. Topics to be covered include fractions, decimals, percents, simple equations, and formulas.

4102 Algebra 1
Freshmen, Sophomores
Prerequisite: Pre-Algebra
Credit: 1

Algebra 1B is a logical follow up to Pre-Algebra. This course is designed to make the transition from basic math concepts to Algebra I. Units included are solving equations, polynomials, and factoring.

MATHEMATICS

4110 Modern Algebra I
Freshmen
Credit: 1

Modern Algebra I is designed to make the transition from arithmetic to all high mathematics. This course will help the student to understand some of the basic structures of algebra (real number system), and the operations, processes, and skills that are used in algebra. The course will further help the student to apply these skills to a variety of problems and practical situations. Units included are the basic language of algebra, solving equations, factoring polynomials, rational expressions, functions, and irrational numbers. Modern Algebra I is a prerequisite for ALL academic mathematics courses.

4200 Geometry
Sophomores, Juniors
Prerequisite: Algebra 1
Credit: 1

This course is a logical follow-up to Algebra I Through its inviting approach, many clearly defined examples, exploratory hands-on activities, and review, this course motivates and encourages students, while it provides a secure foundation in the essentials of geometry

4210 Modern Geometry
Freshmen, Sophomores
Prerequisite: Modern Algebra I, grade of C or better; OR, Algebra I grade of A and teacher recommendation.
Credit: 1

The Modern Geometry course is a logical follow-up to the Modern Algebra I course. Algebra is applied, and the close relationship is shown to geometry. Undefined and defined terms, basic postulates, and theorems are precisely stated. The theorems are then applied to geometric figures of the plane: lines, triangles, quadrilaterals, polygons, and circles.

4220 Plane/Solid Geometry
Freshmen, Sophomores
Prerequisite: Freshmen: Placement Test and 8th Grade Recommendation; Sophomores: Modern Algebra I, grade of 95 and teacher recommendation.
Weighted: .5
Credit: 1

Plane/Solid Geometry is a course of broader scope than that of the traditional geometry course. The course is designed to help the student understand the basic structure of geometry, to develop knowledge of the relationships among geometric elements, to use and strengthen his algebraic skills, and to gain some knowledge of the way in which algebra and geometry complement each other.

MATHEMATICS

4300 Algebra II
Juniors, Seniors
Prerequisite: Geometry
Credit: 1

Algebra II reviews and extends the fundamentals covered in Algebra I. Included in this course are units on solving equations and inequalities, linear functions, system of linear equations and quadratic equations. Graphing calculators are used to check and reinforce concepts learned.

4310 Modern Algebra II
Sophomores, Juniors
Prerequisite: Modern Algebra I and Modern Geometry, grade of C or better OR Geometry grade of A and teacher recommendation.
Credit: 1

Modern Algebra II reviews and extends the fundamentals covered in Modern Algebra I. Included in this course are units on solving equations and inequalities, linear functions and relations, systems of linear equations, quadratic equations, and complex numbers. The Modern Algebra II course must be considered basic for those students who expect to continue the study of mathematics. Graphing calculators are used to check and reinforce concepts learned.

4320 Advanced Algebra II
Sophomores, Juniors
Prerequisite: Plane/Solid Geometry grade of B or better OR Modern Geometry grade of 95 and teacher recommendation.
Weighted .5
Credit: 1

This course is a logical follow-up to the Plane/Solid Geometry course. The course is designed for the student who possesses mathematical ability and who intends to pursue the course offerings in advanced mathematics. The pace of this course is accelerated and includes problems in parts B and C of the written exercises. This is an enriched course in Algebra II. Graphing calculators are used to check and reinforce concepts learned.

4340 College Algebra
Juniors, Seniors
Prerequisite: Modern Geometry, Modern Algebra II, grade of C or better in all courses.
One Semester
Credit: 1/2

College Algebra is a continuation of the concepts learned in Modern Algebra II. Topics include the complex number system, sets and set operations, examination of polynomial, rational, exponential, and logarithmic functions, polar graphing, matrix algebra, series and sequences, and as time permits, the conic sections. Graphing calculators are used to check and reinforce concepts learned

4500 Trigonometry
Seniors
Prerequisite: Algebra II (grade of C or better) or Modern Algebra II (passing grade to 77%)
One Semester
Credit: 1/2

This course is a logical follow-up to Algebra II 4300. The following topics are discussed: definitions of the 6 trigonometric functions, solving right triangles, radian measure, circular functions, graphs of the 6 trig functions, fundamental and trig identities. Graphing calculators are used to check and reinforce concepts learned.

4510 Modern Trigonometry
Juniors, Seniors
Prerequisite: Modern Algebra II, grade of C or better OR Algebra II grade of A and teacher recommendation.
One Semester
Credit: 1/2

This one semester course is the study of the relationship between the measures of the angles and the lengths of the sides of right and oblique triangles. The course reinforces many algebraic skills and extends the study of geometry to include angular rotation, co terminal and related angles, the ratio of the six trig functions, co functions, identities and verifications, the graphs of the six trig functions, radian measurement, Pythagorean Theorem, Law of Sines, and Law of Cosines. Graphing calculators are used to check and reinforce concepts learned.

4520 Advanced Trigonometry
Weighted .5
Juniors
Prerequisite: Advanced Algebra II with a grade of B or better in both courses. Modern Algebra II grade of 95 and teacher recommendation.
One Semester
Credit: 1/2

This one semester course is the prerequisite for Precalculus and Calculus. It includes the study of the following topics: definitions of the trigonometric and circular functions, solving right triangles, trigonometric applications, radian measure, linear and angular velocity, graphs of the circular functions, trigonometric identities and verifications, translating the graphs of the circular functions, oblique triangles, the Law of Sines and the Law of Cosines. Graphing calculators are used extensively in this course.

MATHEMATICS

4600 Precalculus
Weighted .5
Juniors, Seniors
Prerequisite: Advanced Algebra II, Plane/Solid Geometry, and Advanced Trigonometry, grade of B or better in all courses.
One Semester
Credit: 1/2

This one semester course is an accelerated presentation of the foundations necessary for a mature course in calculus. Topics covered are the algebra of real numbers, analytic geometry, and the study of elementary functions (including quadratic, polynomial, inverse, exponential and logarithmic functions). Concepts of the limit of a function and derivatives will be briefly presented in this course

4610 Intro to Calculus
Seniors
Prerequisite: Modern Trigonometry and College Algebra, grade of B or better and teacher recommendation.
Credit: 1/2

This course is intended to introduce students who have successfully completed Modern Trigonometry and College Algebra to Calculus. Topics included in this course would be: limits, continuity, differentiation, and integration, applications of derivatives and applications of integration.

4620 Calculus—FACES
Seniors
Prerequisite: Advanced Trigonometry/Pre-Calculus B or better
College Level
Weighted 1.0
College Credit
Credit: 1

The aim of the calculus course is to present an enriched course in differential and integral calculus. Included in the course are sections on limits, continuity, differentiation, differentials, Mean Value Theorem, applications of derivatives, integration, the definite integral, partial differentiation, and applications of integration.

Offered through the University of Pittsburgh for 4 college credits.

4710 Probability and Statistics
Seniors
Prerequisite: Modern Algebra II
One Semester
Credit: 1/2

This one semester course uses a high level of mathematical precision to explore descriptive statistics, statistical inference, probability distributions, correlation and regression. Topics include measures of location (mean, median, and mode), measures of variation (range and standard deviation), and probability functions. Excel software is used to reinforce the concepts learned.

4722 Visual Basic I
Juniors, Seniors
Elective
Credit: 1/2

Visual Basic presents all of the fundamentals of the BASIC programming language. Students will write menu driven applications using decision structures, loops, and subroutines in order to solve mathematics problems. Students will also learn how to test applications using Test Plans.

4721 Visual Basic II
Juniors, Seniors
Elective
Prerequisite: Visual Basic I, Trigonometry (or concurrently taking)
Credit: 1/2

This course is a continuation of Visual Basic I. Students will continue to design and complete menu driven projects using the Visual Basic programming language. Students will apply arrays, loops, and subroutines in menu driven applications in order to solve mathematics problems. This course will also incorporate color, sounds, and graphics into the applications.

4730 Online Plane and Solid Geometry
Prerequisite: Pass Algebra I diagnostic test and Advanced Algebra I completed with a C or better
Credit: 1

This course is designed for students in 8th grade who have successfully completed an Advanced Algebra I course. Students must pass the diagnostic Algebra I test in addition to having a C or better in Algebra I.

Plane/Solid Geometry is a course of broader scope than that of the traditional geometry course. The course is designed to help the student understand the basic structure of geometry, to develop knowledge of the relationships among geometric elements, to use and strengthen his algebraic skills, and to gain some knowledge of the way in which algebra and geometry complement each other.

PHYSICAL EDUCATION

5300 Physical Education
Freshmen and Sophomores
Credit: 1/2
Pass/Fail

5301 Physical Education
Juniors and Seniors
Credit: 1/2
Pass/Fail

The primary objective of the program is to provide systematic training for the physical development of the students. It also offers an introduction to sports and activities that may insure leisure time enjoyment in adulthood.

5100 Contract Physical Education
Credit: 1/2
Pass/Fail

The student will earn credit for being on a roster of a GCCHS varsity sport. The student must attend all practices and contests according to GCCHS Attendance Policy. Credit will be given by the assigned Phys. Ed. teacher.

5153 Health and Wellness
Freshmen
One Semester
Required
Credit: 1/2

This course is designed to raise students' awareness of what health is. That the decisions they make and the behaviors they choose have the greatest effect on their health. Topics include those which teens are faced with today. Making good choices about drugs, alcohol, tobacco, and sex. Also, the science of addiction, communicable diseases, including but not limited to HIV/AIDS and good nutritional practices.

5230 CPR/Healthy Life Style
Freshmen, Sophomores, Juniors, Seniors
One semester
Credit: 1/2

By the end of this course, students may receive certification from the American Red Cross in CPR. They must pass both a written and a practical exam to receive certification. Since the need for CPR deals with the health of the heart, we will study the heart. By learning how the heart works, we can learn what we need to do to keep our hearts healthy, including but not limited to nutrition and exercise.

RELIGION

Service Hour Requirement: As part of the Religion Department curriculum, all students must complete 18 hours of parish/school and community service to pass the religion course each year. If the service hours have not been completed at the end of the school year, the student will receive an incomplete grade for that religion course.

6101 Religious Studies I
Freshmen
Credit: 1

The Revelation of Jesus Christ in Scripture/Who is Jesus Christ

The purpose of this first semester course is to give students a general knowledge of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will become familiar with the major sections of the Hebrew and Christian Scriptures.

The purpose of this second semester course is to introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

6201 Religious Studies II
Sophomores
Credit: 1

The Mission of Jesus Christ/Jesus Christ's Mission as It Continues in the Church

This second level religion course focuses on the person and mission of the historical Jesus and the living Christ of faith. Major themes in the teaching of Jesus are considered through an examination of the structure and development of the Christian Scriptures. This course aims to help students grow in their knowledge of God's redeeming love, the Sacred Scriptures, and the saving works of Jesus. The students are challenged to discover how God calls baptized Christians to participate in the life of the church community.

The second half of the year deals with Jesus Christ's mission as it continues in the Church. The course will examine how the Church, through its history, has been moved, shaped, and sustained by the Holy Spirit. The course will help the students understand the connections between the works of Christ's disciples in the early Church to the Church of today, and examine how the Church retains its essential identity as the community that embodies Christ in the world.

RELIGION

6300 Religious Studies III
Juniors
Credit: 1

Sacraments as Privileged Encounters with Jesus Christ/Life in Jesus Christ

This third level religion course focuses on the seven official Sacraments in detail, as well as the role of grace in our everyday lives. Students will learn that they can encounter Christ today in a full and real way in and through these Sacraments, especially the Eucharist. Students will examine how Sacraments are an authentic sign of God's love and that through the Sacraments all are called to live and celebrate Christ's message of love of God and neighbor.

The purpose of this second semester is to help students understand that through Christ they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples and how these apply to their everyday life choices. They will also examine the benefits and responsibilities of living as a disciple of Christ.

6402 Responding to the Call of Jesus Christ
Seniors
One Semester
Required
Credit: 1/2

The purpose of this course is to help students understand the vocations of life: how Christ calls us to live. In this course students will learn how all vocations are similar and how they differ. The course will be structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community, whether single, married, religious or ordained.

In the other semester, students may choose one of the two electives offered.

6401 Living as a Disciple of Jesus Christ in Society
Seniors
One Semester
Elective
Credit: 1/2

The purpose of this course is to introduce students to the Church's Social Teaching. In this course students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching

6404 World Religions (Asian Religions) - FACES
Seniors
Prerequisite: Students must have a B average in English and Religion III, in addition to teacher recommendation, to enter this course. Students may be asked to submit a writing sample as part of the evaluation process.
Weighted .5
Honors Level/College Credit
One Semester
Elective
Credit: 1/2

This will be a one semester Honors Course available to seniors only. The course will explore the major religions of Asia: Hinduism, Buddhism and Islam, as well as the religions of China and Japan. The purpose is to examine the origins of religion in order to define and describe it as a human phenomenon. These examinations and explorations will deepen the student's understanding of the profound influence which religion has demonstrated in shaping human culture and expressing human needs. Students may earn college credit through Seton Hill University.

SCIENCE

The Science Department strongly recommends that all students interested in pursuing a career in science, engineering, or health related fields complete courses in Biology, Chemistry and Physics while in high school.

7000 Earth and Space Science
Freshmen
Credit: 1

The study of Earth & Space Science provides an understanding of the nature of the earth's environment and atmosphere, and our role in conservation. Topics on weather and climate and the solar system stimulate interest in space travel and problems involved. The course does not cover details but gives sufficient information concerning conditions governing life on earth. The course is designed for incoming freshmen with selection based upon teacher referral and standardized test scores.

7020 Introductory Chemistry and Physics
Freshmen, Sophomores
Credit: 1

Freshmen who plan to take Chemistry and/or Physics are strongly encouraged to take Introductory Chemistry and Physics. It is also recommended for those students who plan to take Anatomy/Physiology and have not taken regular Chemistry or Physics. The course includes:

- a. basic principles and laws of chemistry and physics
- b. basic mathematical tools needed in science

SCIENCE

7100 Biology
Sophomores
Prerequisite: Earth/Space Science
Credit: 1

Biology is intended to provide students with knowledge of the natural world that the students can use in their daily living. The content deals with the nature of life, cells, bacteria, fungi, algae, plants, invertebrates, vertebrates and human biology. Each of these content areas is explored in a way that the students can connect the knowledge gained to actual experiences in their lives. Hands on work is emphasized in both the classroom and the lab. In lab, students will learn microscope use, dissecting skills, and other laboratory techniques.

7110 Modern Biology
Sophomores
Prerequisite: Intro Chem/Physics 75% or better
Credit: 1

Biology is intended to provide the student with a knowledge and appreciation of life on earth. Cellular characteristics and functions will provide the basis for comparisons among the six kingdoms of organisms on the earth. The importance of biology to the students' lives will be emphasized. Genetic and ecological principles will be presented as organisms are studied. Basic laboratory skills will be introduced during the year such as how to make observations and record data, and how to use a microscope. This lab work will reinforce the principles discussed in the classroom.

7120 Honors Biology
Weighted .5
Freshmen and Sophomores with 93% or better in Intro Chemistry and Advanced or Modern Math Class
Credit: 1.5

The students in Honors Biology will complete a course in biology emphasizing the unifying concepts between all areas of biology. Cellular, biochemical, genetic, evolutionary and environmental concepts will be presented as the students survey all six kingdoms of organisms during the year. The honors student will be challenged by testing, that checks on facts as well as the unifying concepts of the subject. Essays will be demanded. Also challenging the student will be lab experiences demanding extensive use of the microscope, dissecting skills, observational skills, and data interpretative skills necessary to draw conclusions. The lab work is designed to allow the student to further his/her knowledge of a particular topic already discussed in class or a topic new to the student. Honors Biology is intended for students qualifying for advanced placement standing based on previous academic achievement, teacher recommendation/placement, with heavy emphasis on student standardized test scores.

7210 Modern Chemistry
Juniors, Seniors
Prerequisite: Modern Biology, Modern Geometry, with concurrent course
Modern Algebra II and teacher recommendation, grade of 75% or better in previous math and science courses.
Credit: 1

This course is a basic first year chemistry course, which fulfills the various curriculum requirements for an introductory course in chemistry. It provides ample material for a college preparatory program. There is sufficient elementary theory and descriptive information for those students who do not plan to go further in science. Emphasis is placed on matter and energy, principles of reactions, structure and properties of atoms, chemical bonding, gases, and redox reactions.

7220 Honors Chemistry
Sophomores
Prerequisite: Honors Biology and Plane/Solid Geometry with Adv. Algebra II or Modern Algebra II concurrent, grade of 85% or better in all courses.
Weighted .5
Credit: 1.5

The course follows a logical sequential development of chemical principles, beginning with the mechanics of chemistry, the structure of matter, and the mole concept. It then deals with the behavior of matter in terms of acidity, oxidation and reaction, and electric potential. A quantitative as well as qualitative approach is involved throughout the course. The lab program is an integral part of the course. This course is for sophomores who have satisfactorily completed the Honors Biology course and wish to pursue Advanced Placement Biology or Chemistry in their senior year.

7250 General Science
Juniors
Prerequisite: Earth & Space Science and Biology 7100
Credit: 1

This course is intended for Juniors who need a third year of science to meet graduation requirements and who are not taking Chemistry or Physics and have not taken Introductory Science. This course will provide an overview of Physics and Chemistry using basic math skills learned in algebra I, geometry, and algebra II.

SCIENCE

7300 Honors Physics-FACES**Juniors****Prerequisite: Honors Chemistry and Modern Algebra II****or Adv. Algebra II with Trigonometry concurrent, grade of 85% or better in all courses****Weighted 1****College Credit****Credit: 1.5**

The course is designed to give the student an understanding of contemporary views of the physical world. It describes scientific phenomena in terms of two fundamental concepts, matter and energy. In every portion of the course certain fundamental understandings about matter and energy are developed, and the basis and the use of some of the quantitative relationships that enable us to describe the behaviors of matter and energy with precision are developed. Individual laboratory work gives the student experience in handling laboratory apparatus, investigating methods by which physical laws and principles are formed, collection of data and writing of pertinent laboratory reports. This course is geared to the upper 1/3 of the class and to Advanced Placement students. It is appropriate for prospective science, mathematics or engineering majors.

7310 Modern Physics**Juniors, Seniors****Prerequisite: Chemistry, Modern Algebra II with Trigonometry concurrent, grade of 75% or better in previous science and math courses.****Credit: 1**

The course provides a clear and straightforward presentation of the fundamental concepts of physics. It focuses on the physical laws that are applicable to all sciences. There is a practical balance among theoretical learning, problem solving, and application of concepts. These concepts are developed in a logical cumulative sequence. The course emphasizes the quantitative nature of the topics discussed.

7400 Earth and Environmental Science**Juniors, Seniors****Prerequisite: Introductory Science, Biology****Credit: 1**

This course will provide full coverage of the major concepts of earth science, and incorporate the latest scientific knowledge about the earth and its neighbors in space. The focus will be on geology, oceanography, paleontology, climatology, and energy conservation. The course is intended for those Juniors and Seniors not taking Chemistry or Physics but needing a third year science course to meet graduation requirements.

7650 Advanced Placement Chemistry-FACES**Juniors, Seniors****Prerequisite: Honors Chemistry and three years of math, grade of 85% or better in all courses and recommendation of Honors Chemistry Instructor****Weighted 1.0****AP Test/College Credit****Credit: 1.5**

The Advanced Placement Chemistry course is equivalent to a first year college general chemistry course. A college text is used to emphasize the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics, thermochemistry and spontaneity of reactions.

The laboratory work includes experiments where each student makes observations, records data, and interprets results based on data. Instrumentation experiences include use of sensitive analytical balances, pH meters, calorimeters, spectrometers, and spectrophotometers.

Students are encouraged to take the college exam given in May.

7500 Introductory Anatomy and Physiology**Seniors****Prerequisite: Chemistry or Introductory Chemistry****Credit: 1**

This course is a survey of the major facts and theories in the fields of the anatomy and the physiology of the human body. It is designed for students who desire more detailed knowledge of the structures and functions of the human body. The course attempts to present basic philosophies of function, the beauty of organization, and the intricate and interrelated working of body structures. Problems pertaining to ecological and drug influences, form a part of the subject matter. It will be helpful to those selecting careers in the health field. It is a non-laboratory course, with demonstrations making up part of the subject matter. Quarterly oral reports are presented on topical subjects

7600 Advanced Placement Biology-FACES**Juniors, Seniors****Prerequisite: Honors Biology, Honors Chemistry, Honors Physics, Grade of 85% or better in all courses and recommendation of Honors Biology instructor.****AP Test/College Credit****Weighted 1.0****Credit: 1.5**

This course meets the objectives of a general biology course on the college level. A college text is used. Topics covered include the biochemistry of life, cellular structure and function, genetics, evolution, ecology and the structural and functional characteristics of organisms that form all six kingdoms of life. Laboratory experiments (some recommended by the advanced placement program) are designed to be comparable to those at the college level. Grades are determined from tests, both objective and essay, laboratory reports, and class participation. Students may take the College Board Advanced Placement Exam in Biology given in May.

SOCIAL STUDIES

8110 Geography
Freshmen
One Semester
Required
Credit: 1/2

World Geography is a study of the relationship between man and his natural environment. The course consists of a basic understanding of the principles of physical, economic and cultural geography. This knowledge is then applied to a study of countries throughout the world.

8200 World Cultures
Sophomores
Required
Credit: 1

World Cultures is a study of the development of man, in both Western civilizations and eastern civilizations. The cultural, artistic and scientific accomplishments of people on the world's stage are explored as they act and interact to create history. The study of nonwestern cultures focuses attention on China, India, and Africa in order to promote an understanding of the people, their attitudes, behavior, and goals in contrast to our own.

8202 Honors World Cultures
Sophomores
Prerequisite: 93% average in their previous social studies class at the time of registration, and a score at or above the 90th percentile in the Stanford Reading Comprehension Test. In addition, they should have an intense interest in the history of global cultures.
Weighted .5
Credit: 1

Honors World Cultures is a one-year course in the study of human development from prehistory to the present time. Critical attributes of world civilizations are examined through inquiry, synthesis and the development of metacognitive skills. Evaluation will take several forms including but not limited to written exams, research papers and various hands on projects.

8300 American Cultures
Juniors
Required
Credit: 1

American Cultures is a one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from the Colonial period to the present time. The course presents aspects of American life, including: behavior patterns, values, beliefs, ideas, ideals, the various institutions established, and the numerous commitments made during the past. Major activities of each period are brought together in units to provide a broad approach to each era. These activities help the student to explore the development of literature, art and architecture of the American people. The study provides the student with the opportunity to survey our accomplishments in transportation, to examine our financial advancements and recessions, to evaluate our acceleration of scientific and technological achievements, and to become aware of our political, military, social and cultural progress.

8303 Advanced Placement U.S. History-FACES
Juniors
Prerequisite: A score of 50 or above in the Critical Reading and Writing Skills sections of the PSAT Test OR a score at or above the 90th percentile in the Stanford Reading Comprehension Test and must also possess an average of 93% or above in their most recent social studies course at the time of registration.
Weighted 1.0
AP Test/College Credit
Credit: 1

Advanced Placement United States History is a yearlong course designed to provide high school juniors with factual and analytical knowledge necessary for competency in an introductory college level history class. Students will develop a command of the chronological growth of America from colonial times to the modern period as they explore the principal religious, cultural, economic and political philosophies in our nation's history. In addition to the MLA research paper, college writing and research skills are developed, applied, and assessed through the composition of free response and primary source document based essay. Students need to have a sincere commitment to engage in a comprehensive study of American history. Completion of this course will enable students to take the Advanced Placement Examination administered by the College Board in May.

8410 Civics
Seniors
One Semester
Required
Credit: 1/2

This course will explore the critical attributes, institutions, and processes of American Government at federal, state, and local levels, as well as the ongoing responsibilities of the Catholic citizen in American society today. The students will be presented with several issues concerning the rights and responsibilities of American citizens, as well as the Catholic Church perspectives on various civic issues. The conflict and order of Catholic values versus those of secular American culture will be examined with emphasis on the Catholic solutions to these issues.

8440 Psychology
Juniors, Seniors
One Semester
Credit: 1/2

The course in Psychology is introductory, dealing mainly with human behavior and feelings associated with everyday life. Various subjects, such as the learning process, the working of the mind, and human development are covered. Films and discussions aid the student in seeking a greater awareness of himself and the world around him.

SOCIAL STUDIES

8450 Sociology
Juniors, Seniors
One Semester
Credit 1/2

Sociology, a one-semester Social Studies course designed for high school juniors and seniors, is the study of culture, society and groups within a society. Students will learn about the causes and effects of contemporary social problems confronting society. Through discussions of basic sociological concepts, students will see how human beings become social creatures and how they establish patterns of behavior that make society work.

8420 Economics
Seniors
One Semester
Credit: 1/2

Economics: New Ways of Thinking is a practical approach to the study of economics. The material used in class incorporates the Voluntary National Content Standards in Economics which includes the following groups involved in American Education. The National Council on Economic Education, the Foundation for Teaching Economics, the National Association of Economic Educators, and the American Economic Association's Committee on Economic Education all contribute to the materials used in the classroom. Topics include Introduction to Economics, The Basics including Supply and Demand, Curves, Microeconomics, and Macroeconomics topics will be covered in this one semester course. Students will work with business and be introduced to and work with information and guest speakers provided through Junior Achievement.

8441 Advanced Placement Psychology
Advanced Placement & FACES
Seniors
Prerequisite: A score of 50 or above in the Critical Reading and Writing Skills sections of the PSAT Test OR a score at or above the 90th percentile in the Stanford Reading Comprehension Test AND a score of 90% or better In 8440 (Psychology)
Weighted: 1
Credit: 1

This year-long Advanced Psychology course is designed as a natural culmination to the psychology curriculum of Greensburg Central Catholic High School.

Advanced Psychology will build on ideas covered in the Introduction to Psychology course (8440), expounding on the established content area. The systematic and scientific study of the behavior and mental processes of humans and nonhumans will serve as the focus and guiding principle for this course. New psychological concepts, methodologies, philosophies, and applications will be introduced. Rigorous and frequent tests and quizzes of various forms will ensure both valid assessment of student progress and reinforcement of critical ideas. College writing and research skills are developed, applied, and assessed through research papers written in American Psychological Association (APA) format (both semesters), literature critiques, and a research project (second semester).

Upon completion of Advanced Psychology, students will have met academic criteria equivalent to those of a college or university introductory psychology course.

WORLD LANGUAGES

3210 French I
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: English, grade of C or better and satisfactory score on Placement Test.
Credit: 1

French I is designed to introduce basic linguistic proficiency for the student to develop a broader understanding of the French culture. Basic grammar and vocabulary are presented and incorporated throughout oral dialogues and readings.

3220 French II
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: French I, grade of C or better: for freshmen, satisfactory score on placement test
Credit: 1

French II focuses on increased linguistic proficiency with emphasis on reading and speaking. In addition to new grammatical structures, practice of basic structures is also included. In addition, French institutions and daily life provide the basic material for cultural study in the language.

3230 French III
Sophomores, Junior, Seniors
Prerequisite: French II, grade of B or better
Credit: 1

Strong emphasis on oral communication continues in third year French. More complex structures are included to develop better communication and to serve as an instrument for broadened listening and reading comprehension. Linguistics, as a discipline, continues. New strengths in writing and reading are encouraged through directed composition, selected French novels, and the study of the history and geography of France.

3240 French IV
Juniors, Seniors
Prerequisite: French III, grade of B or better
Weighted .5
Credit: 1

Conversational skills focus on increasing vocabulary and reinforcing grammar. Competence in oral-aural skills is intensified to promote exploration into Francophone literature. This course aims to provide students with skills to succeed in a college level class.

3310 German I
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: English, grade of C or better and satisfactory score on Placement Test.
Credit: 1

Emphasis is on oral-aural skills, basic grammar, and on beginning speaking skills. A functional vocabulary is taught through dialogues and readings. Culture and daily life are also studied.

3320 German II
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: German I, grade of C or better
Credit: 1

Continued emphasis on oral-aural skills, basic grammar, and on greater speaking skills. Grammar and vocabulary are increased by more reading and speaking.

3330 German III
Sophomores, Juniors, Seniors
Prerequisite: German II, grade of B or better
Credit: 1

This course emphasizes conversation and composition, as well as more complex grammar constructions. Students will also record oral exercises at least once per quarter.

3340 German IV
Juniors, Seniors
Prerequisite: German III, grade of B or better
Weighted .5
Credit: 1

This course emphasizes even more complex grammar constructions while students improve their fluency levels and composition skills. One or two German films are critiqued, and at least one radio play is explored.

3350 German V
Seniors
Prerequisite: German IV, grade of B or better
Weighted 1.0
Credit: 1

Often taken independently, this course completes German grammar, emphasizing increased conversational fluency and writing skills. More films are critiqued, and at least one work of German literature is explored.

3410 Spanish I
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: English, grade of C or better and satisfactory score on Placement Test.
Credit: 1

This course gives the student an active, flexible command of Spanish through personal involvement and understanding. The approach is audio-lingual, stressing listening and speaking, with visual reinforcement of reading and writing. Learning techniques include memorization, self-expression, and associations with English.

WORLD LANGUAGES

3420 Spanish II
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: Spanish I, grade of C or better; for Freshmen, satisfactory score on placement test.
Credit: 1

This course continues to develop the student's ability to comprehend, read, write, and speak the Spanish language. Grammar and vocabulary are highly emphasized. Cultural aspects are also discussed.

3430 Spanish III
Sophomores, Juniors, Seniors
Prerequisite: Spanish II, grade of 88 or better
Credit: 1

Work in conversation and composition is increased and intensified. Vocabulary and grammar, and all major grammar structures are reviewed. The class engages in conversation incorporating these structures; while group work is used for discussing aspects of cultural readings. During the second semester, a more complete and comprehensive text is introduced. Sample works of authors of Spain and Latin America are provided. An introduction to geography of Latin America is also included if time permits.

3440 Spanish IV
Juniors, Seniors
Prerequisite: Spanish III, grade of 89 or better
Weighted .5
Credit: 1

This course reinforces and increases knowledge of vocabulary and grammar. Intensive work is done to achieve competence in oral-aural skills. Material for reading is continued, including works of both Spain and Latin America. Extensive project-based learning is used as well. A study of geography of Spain is included when time permits. This course gives students the competence to successfully complete a college placement test as well as a college level class.

3450 Spanish V—FACES
Seniors
Prerequisite: Spanish IV, grade of 91 or better
Weighted 1.0
College Credit
Credit: 1

Spanish V focuses on review and reinforcement of major grammar structures but is also tailored to individual needs. Advanced grammar concepts are also studied. Reading, conversation, and writing skills are reviewed and strengthened. Hispanic literature is read and discussed. A video series is used to strengthen comprehension of native speakers. With both the literature and the video series, note taking, paraphrasing, and summarizing skills are also incorporated, and extensive project-based learning is employed. This course also aims to strengthen all skills so that a student may successfully complete a college placement test and a college level Spanish class.

3510 Latin I
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: Eighth grade reading level or teacher recommendation.
Credit: 1

Latin I will introduce to the student basic vocabulary as well as general grammatical structures, enabling the student to translate and comprehend the language at an elementary level. The Latin language student will also study Latin as a language of cultural and intellectual significance while stressing its influence on English language.

3520 Latin II
Freshmen, Sophomores, Juniors, Seniors
Prerequisite: Satisfactory work in Latin I and teacher recommendation.
Credit: 1

Latin II will continue the skills learned in Latin I with further emphasis on grammar and translation. The Latin language student's knowledge of Roman history, culture, and mythology will be enhanced via selected readings in Latin (e.g. The Labors of Hercules and Caesar's Gallic Wars).

3530 Latin III
Juniors, Seniors
Prerequisite: Satisfactory work in Latin II and teacher recommendation.
Credit: 1

Latin III strengthens grammatical skills covered in Levels I and II as well as expand the students' knowledge of advanced grammatical structures. Among the authors to be studied will be Ovid and Cicero. Via these authors' works the student's knowledge of Latin and Roman culture will be refined.

N.B.: This course will be offered pending sufficient enrollment.

ADMINISTRATIVE PROGRAMS

9510/9511 Supervised Study

Students who wish to build study time into their day may elect a supervised study period. This can be assigned also to complete a schedule arranged around courses that do not meet every day (ie. Phys. Ed., Science Labs). The students will be placed in regular classroom settings and must be prepared to study or use the school resources (library, math lab, guidance, computer labs) during this time. The supervised study period will be a “quiet” study period. A teacher will supervise students during this period.

9501 Work Study
Seniors
Elective
One Semester—Credit: 1/2
Full Year—Credit: 1
Pass/Fail

If a senior provides evidence of employment position they may elect to carry a reduced load of on-campus courses and then be excused for the purpose of reporting to work. However, the graduation requirements must be met and this does not reduce a student’s tuition rate.

The work study coordinator will make an initial contact with the employer at the start of each semester to verify employment. The employers will be asked to notify the school immediately of any change in a student’s employment status and complete a written report each semester concerning the student’s job performance.

The school reserves the right to terminate a student’s participation in the Work Study program at any time if it is judged not to be in the student’s best interest to participate or if there is a repeat of violating the terms of the program.

College Level Courses

With the Principal’s recommendation and the superintendent’s permission, qualified seniors may take college courses part-time at the participating local colleges, while continuing at Greensburg Central Catholic High School the remainder of the school day. Students must provide documentation of the college’s acceptance and scheduling for such programs in order to qualify. (Diocesan Policy 4110, Part 2E)