Holy Cross Academy

Program of Studies
2017-2018

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QUALITY POINT DISTRIBUTION

NCAA COURSE ELIGIBILITY

COURSE SELECTION

The Holy Cross curriculum offerings are designed to meet the academic needs of all of our students. As you read through the course descriptions and begin the process of selecting an appropriate course of study for the 2015-2016 school year, please keep the following points in mind:

- The courses you select should support your individual goals for the 2017-2018 school year and your objectives after graduation. Schedule an appointment with your guidance counselor before course selection to assist you with determining the courses necessary to meet the requirements suggested by the college, university or technical school of your choice.

- All eight courses for the 2017-2018 school year are selected during spring course selection. The master schedule determines which semester each course will be offered. Students are not able to choose which semester to take a course.

- Courses, especially electives, are to be chosen carefully – these are not offered on a trial basis. There is a fee assessed to change courses after June 15th and there is no guarantee of the availability of the desired course.

- Once the master schedule has been designed, course changes are very difficult. Due to the intricacies of scheduling and the inability to offer a particular course at every period, some requests are not possible and the ability to balance a schedule is not guaranteed. Schedule changes need to be made for serious reasons and parents may be asked to provide professional documentation that supports the change (such as medical or educational testing results). Each case will be decided on an individual basis and final decisions on course changes rest with the administration.

- If a student has been misplaced in a required course, the teacher will bring the situation to the attention of the guidance counselor and possibilities for changing the student's schedule will be examined. This must be done prior to the end of the first full week of class.

- Sometimes scheduling conflicts occur and students may not get their first choice courses. Students will be placed in their alternate choices in the order listed based on the availability of the courses. Parents and students are not always notified if a conflict occurs requiring the use of an alternate choice. It is important that students communicate with their counselor their course preferences and any special considerations during course selection so that the counselor notes them for the scheduler. (For example, a sophomore student with a fall birthday may request PE 10/Drivers Ed/Health in the fall semester. Please note: Holy Cross Academy cannot guarantee all requests.)

- There will be a $10.00 fee to replace lost/misplaced Course Selection Cards.

- After June 16th, please email scheduling@holycrossacademy.org with any scheduling concerns.

Completing the Course Selection Card

Course selection cards are mailed once the re-registration fee has been paid and other pertinent forms have been completed and returned to the business office.

1. Make your course selections based on your own interest in the course after reading the description and requirements. Teachers of certain courses change each year and you need to be aware of this when making your selections. You should not select courses based solely on the teacher.

2. Please print your course selections clearly. All students take eight (8) courses per year; four courses each semester. You cannot select the semester in which the courses occur. All students are required to take Religion and English each year.

3. Do not cross out if you change your mind; white out the mistake completely.

4. Indicate all first choices and alternates in order of preference. Failure to include alternate courses will result in any available course being selected for you in the event of a scheduling conflict. Additionally, students are encouraged to have their guidance counselor add notes to their course card to assist with the scheduling process – this is especially helpful when conflicts occur.

5. A parent must approve the course selection by signing the course card. Guidance counselors will not register students who do not have parental approval.

6. Course registration begins the week of February 21st. Please make an appointment in the guidance office to meet with your counselor. All students must complete course registration by March 15th. Students will register and be scheduled for courses on a first come, first serve basis, regardless of grade level.

Course Changes

Due to the intensive scheduling, necessary course changes must occur before **September 15, 2017**. This is necessary to prevent the loss of too much instructional time in a course and allow for maximum student learning and achievement.

Changes should not be requested due to a student's teacher preference. Changes will not be made for students failing to succeed in a course unless they are identified by the teacher as misplaced academically.

Administrative Fee Notices

After June 16, 2017, all course changes will incur a $125.00 fee; for AP/Honors courses, the fee is $225.00.

After Friday, September 15, 2017, due to the intense nature of the semester schedule, requests for course changes will not be honored.

AP and Honors Level Courses

Advanced placement courses (AP courses) are offered at Holy Cross Academy to provide students with a rigorous academic course of study. For success in an honors or AP course the student must possess and demonstrate a superior work ethic and be willing to be challenged. Students may earn college credits for these courses either by earning the appropriate AP exam score or, when available, through concurrent enrollment for college credit through Seton Hall University or Burlington County College. The instructors for these courses will explain the procedures to the students. All students enrolled in an AP course must take the AP exam in May. Students need to consult their intended colleges to verify that they award credit for AP scores or will accept the Seton Hall or Burlington County College credits.

Please note: Additional fees are charged for the AP tests and earned college credit hours. The AP exam is mandatory while college credit is optional.

The decision to enroll in an honors course should be taken seriously. Students who decide to take an honors level course must realize that the work required for these courses will be more intense than course work taken at the regular college prep level. Due to limitations of class size, application for an honors course does not guarantee placement. Criteria set by individual departments must be met for placement in an honors course.

HOLY CROSS GRADUATION REQUIREMENTS

Credits

Each semester course offered at Holy Cross Academy is 5 credits. Students are required to take 40 credits per academic school year. A total of 160 credits are required for graduation.

Holy Cross Academy requires that the following courses are successfully completed for graduation:

Religion	*20 credits*	*U.S. History (1&2)*	*10 credits*
English	*20 credits*	*World History*	*5 credits*
Lab Sciences	*15 credits*	*Math*	*15 credits*
(must include Bio and Chem or Bio and Env)		*World Language*	*10 Credits*
Physical Education (9 &10)	*10 credits*	*(must be the same language)*	

Plus electives to equal 40 credits per year while in attendance at Holy Cross Academy and pass the Career Navigation Course.

Academic Units

Colleges require that a student pass a minimum of 16-18 "academic" units in high school to be considered for admission. Courses in English, Mathematics, World Language, Science or Social Studies are considered academic units.

Holy Cross Academy recommends the following academic units for acceptance at a four year college:

4 years of English	2 years of the same World Language*
3 years of Mathematics	3 years of Lab Sciences
(Algebra I, Geometry, and Algebra II)	*(must include Bio and Chem or Bio and Env)*
3 years of Social Studies	3 years of elective courses
(World History, US I and US II)	*(core subject areas)*

**The majority of colleges require at least 2 years of foreign language and a number of them require 3 years. Check with your counselor on the requirements for the colleges you are interested in attending.*

Service

Holy Cross Academy requires community service as a part of the curriculum. Holy Cross believes it is important that students see their faith as a lived experience and see service as an integral part of their Christian lifestyle.

Service Hour Requirements:

Freshmen	10 hours
Sophomores	15 hours
Juniors	20 hours
Seniors	25 hours

- Doing more than the required hours in a given year does not decrease the hours due in succeeding years.
- Students must obtain written verification of service given on the letterhead of the organization stating the type of service and the number of hours served.
- Students should keep a copy of all service hours earned for their own records.
- Students may not receive compensation for their community service.
- Hours may be served either in our school community or in the local community of the student.
- The types of service must comply with the acceptable service topics. Students should see with Mr. Moynahan, Religion Department Chairperson, if they have any questions.

Student Retreats

Parents choose Holy Cross Academy to provide an academic setting based on Catholic tradition and teachings. An integral part of a student's religious education is an annual retreat that provides students time to reflect on their own spirituality and life's many gifts and blessings. Therefore, along with four years of religious studies and service commitments, students are required to attend the annual retreat.

PROGRAM OF STUDIES

Religion Department

1010 Religion 1: Sacred Scripture

Prerequisite(s): *None*
Grade: 9 5 Credits Semester
In keeping with the requirements set forth by The United States Conference of Catholic Bishops (USCCB), this freshman course is divided into two sections.

First Section: This introduction to the biblical texts is both a companion for prayerful study and a survey of the context, message, and authorship of each book. It also provides students with a plan for reading and studying the Bible in concert with the Holy Spirit and Church teaching.

The text provides historical context for biblical literature and its analysis is mindful that Scripture must be read within the living Tradition of the Church; in so doing, the text examines the relationship between Scripture and the doctrines of the Catholic faith. While modern historical-critical scholarship is not ignored, the text is balanced by emphasis on the multiple senses of Scripture: literal, spiritual, allegorical, moral, and anagogical.

Second Section: This section deepens the study of Jesus, highlighting key events in his earthly ministry while unpacking his teachings about God the Father, the Trinity, Mary, and the Holy Spirit. Students learn that the goal of discipleship is a life of grace and holiness and a share of God's everlasting Kingdom. The section encourages a course of action and calls on teens to "pick up their cross" and follow the Lord in this life and beyond by introducing key vocabulary terms, exploring relevant questions of faith, profiling famous Christian disciples, and offering several applications to put the lessons into action.

Freshman service hour requirement: 10 Hours

1020 Religion 2: The Pascal Mystery and the Church

Grade: 10 5 Credits Semester
Prerequisite(s): *None*
In keeping with the requirements set forth by The United States Conference of Catholic Bishops (USCCB), this sophomore course is divided into two sections.

First Section: This course is the pinnacle of God's redemptive plan for his people. In this section, students delve deeply into the saving actions of the Lord. This text unpacks the meaning of God's sacred and mysterious plan from creation, onward to the consequences of the fall and the promise of a Savior, while ultimately focusing on the Life, Passion, Death, and Resurrection of Jesus Christ.

Second Section: This section provides students with a means for understanding some of the traditional definitions of the Catholic Church. While acknowledging the importance of the historical perspective, this course emphasizes the living Church that makes Christ present to the world today. The course is constructed around key definitions that help students to formulate an understanding of ecclesiology, such as the People of God, the Church as Servant, and the Church as Sacrament. Each definition has a historical component that traces its meaning through major periods of Church history, helping students understand how the Church reflects the light of Christ today.

Sophomore service hour requirement: 15 Hours

1030 Religion 3: Examining the Sacraments through Sacred Scripture

Grade: 11 5 Credits Semester

Prerequisite(s): *None*

This course will afford the student a Christo-centric understanding of the New and Old Testaments. The sacraments will be examined to demonstrate the living nature of Jesus in the Catholic Church today. Valuable insight is offered in the Jewish tradition as it leads the people of God to Christianity. Theological, scientific and historical sources are used. By studying scripture and appreciating the relationship between God and God's people, the student will come to an awareness of his or her own personal role in the Church today.

Junior service hour requirement: 20 Hours

1040 Religion 4: Christian Lifestyles & World Religions

Grade: 12 5 Credits Semester

Prerequisite(s): *None*

This offering includes two distinct courses. One-half semester of Christian Lifestyles will be devoted to exploring the topic of vocations and how God is calling students to ministry in the married life, the single life or the religious life. One-half semester of World Religions will investigate the theological and cultural richness found in the various world religions. This study promotes respect and tolerance. It also deepens the students' understanding of their own Christian faith as they see the differences and similarity between their own faith and the beliefs and practices of other religions.

Senior service hour requirement: 25 Hours

Arts, Business, and Technology Department (Arts Courses)

9110 Studio Art Survey

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

+ This course may be repeated for continuing credit. This course is for students who have little or no artistic experience or those who do not consider themselves artistically talented but would still like to explore doing art. Through a variety of studio projects, hands-on assignments, computer artwork and a museum visit, students will engage in exploration of: the elements and principles of art and design; aesthetics; the fundamentals of realistic drawing; the fundamentals of a variety of artistic media and forms of artistic creation; and art criticism and art history as it is applicable to the particular studio project. Each semester of participation will be labeled as follows: Studio Art Survey I, Studio Art Survey II, Studio Art Survey III, and Studio Art Survey IV. All levels will be scheduled concurrently but there is a two-year cycle of instruction and media studied.

9115 Honors Studio Art

Grade: 9-12 5 Credits Semester

Prerequisite(s): *Teacher's signature required. This course is open to all students but admission is by review of samples of student work (portfolio) and with the permission of the instructor.*

+It is recommended that freshmen take studio art survey for at least one year (a one semester course.)

+This course may be repeated for continuing credit.

This course is for students who have artistic experience, consider themselves artistically talented and are seriously interested in artistic development.

Through a great variety of studio projects, hands-on assignments, computer artwork, Internet use and a museum visit, students will engage in in-depth exploration of: the elements and principles of art and design; aesthetics and

aesthetic theories; art criticism and art history as it is applicable to the particular studio project; the fundamentals of realistic drawing such as perspective and more advanced drawing strategies such as sighting; the fundamentals and many advanced techniques of a great variety of artistic media; portfolio development, college preparation and career possibilities. Each year of participation will be labeled as follows: Honors Studio Art I, Honors Studio Art II, Honors Studio Art III and Honors Studio Art IV. All levels will be scheduled concurrently and, while there will be class topics that are the central focus for all levels, each level will have a specifically tailored packet of projects, endeavors and expectations. Some media and art forms are revisited every year and some varying media and art forms are explored on a three year cycle.

Honors Studio Art Legacy/Installation Option: Rather than do artwork for themselves, students in Honors Studio Art can elect this option. Students will work in a group or independently on projects to be installed around the school building. These projects will be installed as a legacy and will involve modern Catholic Iconology. A variety of media will be employed such as oil paint and mosaic.

9160 Photography

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

A 35 mm film camera and digital camera are needed. But loaner cameras of both types are available.

In most instances, because of possible resolution issues, students are discouraged from using phone cameras.

Students will be taught the workings of a camera and various darkroom techniques (developing and printing in black and white using **only Kodak TRI-X 400 ASA 35mm film**). The History of Photography and design concepts/principles will be explored as well as creativity in picture taking. There will be an opportunity for students to explore digital photography. Digital photo editing will also be explored.

9150 Graphic Design 1

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

This course is open to all students who have an interest in the commercial arts fields or have an interest in learning some basic design and graphic principles and techniques. Students will gain practical experience in the development of design and "mechanical skills." Graphic computers will be part of the learning experience. Some specific examples of materials, tools and projects include, but will not be limited to, the following:

-Layout design, cutting & pasting, etc.
-Design exercises that focus on such design basics as balance, the creation of movement, etc.
-Corel XP and Adobe Photo Shop applications.
-PCs, flatbed scanners, digital cameras and laser printers

9180 Graphic Design 2 (Will be offered 2018-2019)

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Graphic Design 1*

This course is open to students who have had the first level of Graphic Design and wish to further explore those topics taken up in Graphic Design 1. Students will gain further experience in the development of "mechanical skills." Graphic computers/applications are the main focus of the learning experience. Some specific examples of materials, tools and projects include, but will not be limited to, the following:

-Layout design, cutting & pasting, etc.
-Design exercises that focus on design basics.
-Photo Editing.
-Animation.
-Corel XP and Adobe Photo Shop applications.
-PCs, flatbed scanners, digital cameras and ink jet printers

9190 Animation

Grade: 10-12 5 Credits Semester

Course offering will alternate with GRAPHIC DESIGN 2- (every other school year.)

This course is open to all students who wish to explore the art and techniques of animation. But Students should be comfortable with, and have experience working in Graphics Application Environments. Students will explore and examine the history and development of Animation and Animation techniques. Because this is a *Studio Course* the major focus of student work will be the creation/production of a variety of short animations. These projects will explore a variety of animation techniques. These techniques will include but not be limited to: cell animation, stop-action animation, and computer cell animation.

9210 Dance 1

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

Dance education enables students to discover their own innate capacity for the communication of ideas, thoughts and feelings through the medium of dance. The curriculum is arranged sequentially to include creative work, dance forms and techniques, dance history, performance and production, aesthetics and criticism. Dance 1 will be a basic overview of different dance styles such as jazz, tap, hip hop, modern, and ballet. The class will explore the basic ideas, techniques, principles and history of these dance styles.

9220 Dance 2

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Dance 1*

Dance 2 will cover the same dance styles as Dance 1 but will focus on Dance Theory and Composition. This detailed class will focus on developing the creative mind. The technique classes will be structured for the intermediate level and the students will be responsible for a variety of projects and choreography.

9230 Dance 3

Grade: 11-12 5 Credits Semester

Prerequisite(s): *Dance 2*

Dance 3 will cover the same dance styles as Dance 1 but will focus on Choreography and Teaching styles. This class will stretch their abilities as Choreographers and explore the various choreographic formulas and styles. Students will also have opportunity to perform as a Dance Teacher and assist with teaching fundamentals and proper techniques. This class will be structured for the advanced level and students will be responsible for a variety of choreography projects as well as teaching days.

Arts, Business, and Technology Department (Business and Business Related Courses)

8110 Accounting

Grade: 11-12 5 Credits Semester

Prerequisite(s): *None*

The course is based on the principles of the double entry accounting system. Accounting provides the broadest background available to any student interested in any aspects of business and would be valuable to any student looking to major in a business discipline in college. The first half of the course introduces the student to the basic concepts in accounting and analysis of transactions. It takes the student through the entire accounting cycle for a cash-based service business organized as a sole proprietorship and then expands the accounting cycle for a retail

merchandising business organized as a corporation. The second half includes specific topics such as payroll, depreciation, notes receivable and notes payable. Students will have the opportunity to use their accounting skills on the computer.

8130 Principles of Business Management

Grade: 11-12 5 Credits Semester

Prerequisite(s): *None*

Business management is designed to provide the student with an introduction and overview to business functions and business activities from a management perspective. The material in the course includes an examination of management theories, management styles, and social responsibility. Types of business ownership, finance, marketing, e-commerce, and multinational corporations are also studied. During the second marking period, students are given the chance to manage their own "real life" company.

8120 Introduction to Business/Business Communications

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

The combination of these two courses provides students with the study of topics and learning experiences that are important personally and professionally. The Introduction to Business course will provide various opportunities for the students to learn about the business world. . In addition, the student will be better prepared to plan his or her educational future through personal research into careers. Some of the other topics to be explored include: basic economic concepts, ethics and social responsibility, business ownership, the global economy, the role of government in business, and financial institutions. The advent of new technology is helping people to function more effectively and across longer distances. However, one must still have good communication skills to succeed in both personal and business areas of life. Business Communications is designed to improve the student's communication skills through assignments that stimulate business reading, writing, speaking and listening skills.

8140 Economics and Technology

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

Yes, money does matter. It is not just what you earn; it is also what you spend, how you spend it, how you invest it, and how you protect yourself against risk that matters. Understanding personal money management will serve the student throughout adult life. Some of the topics to be explored in this personal financial literacy course include: making good consumer decisions, how to get and keep good credit, money management through financial planning—checking and savings accounts, real estate, stocks, and basic risk management using insurance. In addition, office software applications of word processing, spreadsheets, database, and presentations will be integrated to expand the students' knowledge of how businesses use technology on an everyday basis. Designed mainly for freshman and sophomore students.

Arts, Business and Technology Department
(Technology Courses)

The following CAD courses are offered on yearly rotation:

8510 Computer-Aided Drawing (CAD) for Engineering

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Grade 10 students must have taken either CAD for Architecture or Design Technology*

This course is designed for the students who may be interested in pursuing engineering in college or technical school. It allows the interested student to become familiar with the types of drawing done by engineers. Artistic talent is not

required because all drawing is done on the computer using AutoCad. The course includes drawings in three views: sectioning, auxiliary views and rotating views.

8520 Computer-Aided Drawing (CAD) for Architecture

Grade: 9-12 5 Credits Semester

Prerequisite(s):

This course is designed for the student who may be interested in pursuing Engineering in a college or technical school. The student will have hands-on computer assignments that include the types of technical drawings done by engineers using commands in AutoCAD. Students are taught both command line and icon entry methods. The course includes single view, multi-view drawing, sectional, and auxiliary views. Students will be introduced to pictorial views through ISO and Oblique views.

8500 Design Technology

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

This course is an introductory class for students who are interested in design. Cars, clothes, jewelry, furniture, gym equipment, televisions, bikes, and all the thousands of other things we use everyday all started with the design process. An idea sparks the imagination and the design team brings it to life. This is a hands-on class in which students will work individually and in teams to produce designs that could result in a product. Examples of possible project designs are furniture, point-of-purchase displays, children's playground, clothing, car or truck interior, and backyard deck. Artistic talent is not required because technical drawings are done using AutoCAD. The course includes drawings in orthographic and pictorial views. This is an introductory class designed for freshmen and sophomores, but open to all students.

ENGLISH DEPARTMENT

2010 English 1

Grade: 9 5 Credits Semester Prerequisite(s): None

English 1, a college preparatory course, examines three major areas: literature, composition, and vocabulary. Students will read a variety of literary genres, focusing on fiction (novels and short stories), nonfiction (essays, biographies and autobiographies), poetry (including Homer's epics) and drama (plays including Shakespeare). Different forms of writing, such as narrative, descriptive, expository, persuasive, comparison and contrast, will be read, analyzed and written. Grammar, usage, and mechanics will be included as a way of aiding students in writing clear, well-organized sentences, paragraphs and essays. Students will improve their reading comprehension and analytical skills through their reading and writing activities. Cultivating an appreciation and enjoyment of literature will be encouraged. The students will broaden their vocabulary through their reading experiences. PSAT and SAT preparation will be stressed as an integral part of vocabulary enrichment. Study skills and test-taking skills will be emphasized as well throughout the course. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2015 Honors English 1

Grade: 9 5 Credits Semester

Prerequisite(s): Open by invitation only, based on a student's grades. standardized test scores, and HCA placement test.

Honors English 1 offers students a more challenging course of study than the college preparatory freshman English. It covers four major areas: literature, composition, vocabulary, and research. Literature will be studied with an emphasis on novels, short stories, nonfiction, poetry and plays. Students will concentrate on writing coherent, unified paragraphs and essays. Expository, descriptive, narrative, persuasive and creative writing will be practiced. PSAT and SAT preparation will be stressed as an integral part of vocabulary enrichment. Organizational and test-taking skills will be emphasized also. Students will engage in both individual and group research projects. Because Honors English I stresses oral presentation and active class participation, acting out plays, small group discussions, and various creative projects form a regular part of the class. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2020 English 2: American Literature

Grade: 10 5 Credits Semester Prerequisite(s): English 1

In this college preparatory course, major American authors and themes will be examined within their historical and literary context. Expository, analytical, and creative writing will be stressed. Research will be conducted and presented in a written assignment. PSAT and SAT preparation will be a focus of vocabulary work, although students also will study vocabulary within the context of the literature. The class will foster an appreciation of reading various literary techniques. Students will enhance their critical thinking and presentation skills through a wide range of activities. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2025 Honors English 2: American Literature

Grade: 10 5 Credits Semester

Prerequisite(s): 85 in Honors English 1 93 in English1Standardized test scores and teacher recommendation may also be used to determine placement

This challenging course studies a large, varied reading list of American authors. Students will improve their reading, analyzing and writing skills as they study the literary selections. Both formal and informal writing assignments will be given frequently. PSAT and SAT preparation will be an integral part of vocabulary study, which also will be developed by looking at contextual clues and word roots. Readings will include novels, short stories, poems, plays and nonfiction essays. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2030 English 3: British Literature

Grade: 11 5 Credits Semester Prerequisite(s): English 2

This college preparatory course surveys British literature starting with the Anglo-Saxons. Representative writers, such as Chaucer and Shakespeare, and periods, such as Old English, Middle English, Renaissance and Romantic, will be read, studied and analyzed. Additional outside reading often will be encouraged and sometimes required. Students will continue to develop their writing skills by working on critical, expository, and research compositions. Students will do research using outside sources, such as the media center, local libraries and the Internet. Verbal PSAT and SAT preparation, including vocabulary words, prefixes, roots and suffixes, will be emphasized. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2035 Honors English 3: British Literature

Grade: 11 5 Credits Semester
Prerequisite(s): **85 in Honors English 2**
93 in English 2
Standardized test scores and teacher recommendation may also be used to determine placement

This challenging class presents a chronological survey of British literature beginning with the Anglo-Saxons and continuing into the present. Social, historical, economic, scientific, religious and artistic influences on the literature will be incorporated into the class. Emphasis will be placed upon individual reading, research and writing. PSAT and SAT preparation will be an integral part of vocabulary work. Strong writing skills, as well as the ability to read and critically interpret on one's own, are essential for success in this course. Through reading, writing, research, and classroom activities, students will enrich their critical thinking abilities.

2040 English 4: World Literature

Grade: 12 5 Credits Semester
Prerequisite(s): *none*
This college preparatory course will introduce the students to the scope of world literature, beginning with the classics of the ancient world and moving around the globe and through the millennia. It also will provide the students with opportunities to sharpen their reading, writing, critical thinking and research skills as they prepare for college and career. Students will continue to improve their writing skills with essays and a research paper. Vocabulary will grow through contextual study; verbal SAT preparation and test-taking skills also will be emphasized.

2045 Honors English 4: World Literature

Grade: 12 5 Credits Semester
Prerequisite(s): *85 in Honors English 3 OR 93 in English3 OR 85 in AP Language*
+Standardized test scores may also be used to determine placement
This challenging course will increase the students' awareness of the scope of world literature, beginning with the classics of the ancient world and moving around the globe and through the millennia. More reading is required than in the college preparatory class; in-depth study of some works is essential for success. Students will hone their reading, writing, critical thinking and research skills as they prepare for college and career. Vocabulary in context, verbal SAT practice in the form of sample exercises, practice tests and writing to SAT prompts and test-taking skills also will be emphasized.

2910 **AP English Language and Composition**

Grade: 11-12 5 Credits Semester
Prerequisite(s):

Minimum 85 in most recent/previous Honors English classes
Minimum 93 in previous English core courses

+Standardized test scores and teacher recommendation may also be used to determine placement.

This course may replace English IV for seniors.
It does not replace English III or Honors English III for juniors.
This college level course may be taken for college credit through the College Acceleration Program (CAP) offered through Rowan College at Burlington County (3 credits) and Seton Hall University (3 credits).

This advanced placement course will pursue a varied and intense level of in-depth reading, critical analysis, and writing. This collegiate level course requires extensive reading and writing throughout the year. Nonfiction from past through to present day academic journals will be read and analyzed; the readings include our founding fathers, speeches by leaders, declarations, autobiographies, biographies, press, media, documentaries, and journals. Students will write to analyze and interpret works, creating reaction, argumentative/persuasive, synthesis, rhetorical strategies, descriptive, and expository papers. They also will evaluate nonfiction works for their artistry, language, and structure. Frequent projects will aid the students in deepening their understanding of the readings. Vocabulary in context, literary and AP test jargon, SAT/ACT/AP practice, and test-taking skills also will be emphasized. Students will take the advanced placement exam in May.

2920 AP English Literature and Composition

Grade: 11-12 5 Credits Semester

Prerequisite(s): *85 in Honors English 2 or Honors English 3 OR 93 in English 3 OR 85 in AP Language*
+Standardized test scores may also be used to determine placement

This college level course may be taken for college credit through the College Acceleration Program (CAP) offered through Burlington County College. This advanced placement course will pursue a varied and intense level of in-depth reading, critical analysis and writing. Literature from many genres, cultures and styles from Shakespeare to the present will be read; the Bible and Homer's epics also will be studied as allusions are made to them. This collegiate level course requires extensive reading in the summer and continuing throughout the year. Students will write to analyze and interpret works, creating reaction, critical, argumentative and expository papers. They also will evaluate works for their artistry, language and structure. Vocabulary in context, SAT practice in the form of sample exercises, practice tests and writing to SAT prompts and test-taking skills also will be emphasized. **Students must take the advanced placement exam in May. This course may replace English IV for seniors; however, it does not replace English III or Honors English III for juniors.**

ENGLISH DEPARTMENT

ELECTIVE COURSES

(These courses are offered in addition to the four years of required English courses.)

2320 Creative Writing (Fulfills the visual, performing, or practical arts requirements)

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

Students will read and listen to various literary selections, analyze them and then write creatively themselves. The student writers also will experiment with diverse writing techniques. By the end of the course, each student will have produced a portfolio of original, revised written work, which may include short stories, children's literature, scripts, poetry, biographies, journals, letters, personal opinion essays, articles, advertisements, greeting cards, technical writing and business writing. Students will have frequent opportunities to share their work with their peers.

2330 Creative Writing 2 (Fulfills the visual, performing, or practical arts requirements)

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Creative Writing*

Creative Writing 2 continues and expands the principles and approaches begun in Creative Writing I. Each student will create his or her own curriculum. He or she will choose to create a novel, a stage play, a screenplay, a collection of poetry, an epic poem, a collection of short stories, or any other creative writing effort. Students will meet individually with the teacher weekly to establish curriculum and goals. Timeliness of submission, creative efforts, and a willingness to revise are the foundations of the course. The Final Assessment will consist of a personal website for the publication of original works, influential works, videos of readings, and such.

2340 English Composition

Grade: 9-12 5 Credits Semester

Prerequisite(s): None

Grammar and Composition, a college-prep level elective open to all students, presents a thorough critical analysis of the English language: structure, usage, and expression. This course introduces students to the constructions of the English sentence, paragraph, and essay, and the practical application of those constructions in writing. The course will provide valuable preparation for the writing sample and the writing skills sections of the SATs. The course is designed to prepare students for the challenges of successful expository writing in high school, college, and career.

2350 Film (Fulfills the visual, performing, or practical arts requirements)

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

Film is designed to help students develop an awareness of the methods used by filmmakers to elicit a desired response from the viewer. The course involves the study of a variety of genre (or categories), such as "stage to screen," "comedy," "biography," "western," "animation," etc. The study of various shots, angles, and filmmaking terminology will be used throughout the course and in completing various assignments in the course.

The following courses are offered on a yearly rotation:

2370 Journalism

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

This elective will examine journalism in its various aspects: genres, ethics, interviewing, writing, editing, designing and producing. It will focus on print media, such as newspapers, magazines and yearbooks, as well as studying broadcast media (television, radio and the web). It will combine study with actual practice.

2380 Mythology (Will be offered again in 2018-2019)

Grade: 9-12 5 Credits Semester

Prerequisite(s): *None*

Although this course will touch on myths of many cultures, it will focus primarily on Greco-Roman, Norse and British mythology. Modern works, such as *Star Wars*, that employ mythic archetypes will be analyzed. Areas of discussion will include common motives and themes, such as the nature of the hero, the quest, the origin of evil and death and the role of fate. Because this course is not primarily a lecture course, students will work cooperatively on a wide range of activities, which may include viewing films, completing worksheets, making video and audio tapes, and drawing cartoons.

MATHEMATICS DEPARTMENT

Students who are enrolled in ANY mathematics course MUST complete a review packet prior to entering the course. Review packets can be obtained after schedule distribution in August on the Mathematics Department section of the school website www.holycrosshighschool.org/academics/departments/mathematics . The packet is the first written assessment for each course.

*Algebra 1, Modern Geometry and Algebra 2/Trigonometry are the core classes in the Holy Cross college preparatory curriculum.

3010 Algebra I

Grade: 9 5 Credits Semester

Prerequisite(s): None

This course is intended for the majority of the first-year students. It employs the concept of field properties to develop basic principles in a systematic, meaningful way. Emphasis is on fundamental mathematical processes and the number system. Topics for discussion include the structure of the real number system, solution of open sentences, operations of polynomials, functions and graphing of linear equations, solution of quadratic equations and inequalities. The maturity of the students determines the depth to which each topic is developed.

3015 Honors Algebra 1

Grade: 9 5 Credits Semester

Prerequisite(s):

This course is open by invitation only based on a student's grades, standardized scores, and placement test.

This course is designed for students who have performed at an above average level in mathematics in elementary school. Course content covers the topics of Algebra I in greater depth and at a faster pace, thus providing time for enrichment through the study of optional performance objectives. Optional topics *may include* algebraic proof, algebraic applications using mathematical modeling, advanced factoring methods, polynomial long division and complex fractions.

3030 Modern Geometry

Grade: 9-10 5 Credits Semester

Prerequisite(s): *Algebra I*

Advanced testing is required for freshman placement in this course.

This course unifies concepts of geometry, algebra and arithmetic. The structure of mathematics is developed through the study of geometric figures. The importance of definitions, postulate and theorems is emphasized in the study of proofs. Standard proof techniques are carefully developed. Deductive reasoning, along with the concepts of logic, is interwoven throughout the course. Besides the study of basic figures such as parallelograms, triangles and circles, topics such as congruence, similarity, inequalities, parallelism, perpendicularity, area and volume are studied. Coordinate geometry is introduced. An attempt is made to foster creative and original thinking by the student. Problems with varying stages of complexity geared to the needs and ability of the student are presented to attain this goal.

3035 Honors Modern Geometry

Grade: 9-10 5 Credits Semester

Prerequisite(s): *90 in Algebra I <u>OR</u> an 80 in Honors Algebra I*

Advanced testing is required for freshman placement in this course

This course contains a challenging coverage of geometric topics. Students receive the complete course in modern geometry. The exercise sets offer reinforcing practice, enriching extensions and interesting applications. Students may be asked to do outside reading in mathematics topics and report back to the group.

3060 College Mathematics

Grade: 11-12 5 Credits Semester

Prerequisite(s): *Modern Geometry*

The course will serve to meet state requirements in higher education and covers the concepts and skills traditionally expected of a liberal arts major. Topics include: the nature of mathematical reasoning, problem solving strategies, and consumer mathematics concepts (percent, simple and compound interest, installment buying, home ownership, stocks and bonds). If time permits the following topics may also be included: logic, numeration systems, voting methods, and other mathematical systems.

3050 Algebra 2 and Trigonometry

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Modern Geometry*

In this standard third year course, all of the Algebra II curriculum is covered along with right triangle trigonometry, trigonometric functions of obtuse angles and laws of cosines and sines.

TI-84 Plus (or higher) graphing calculator required

3055 Honors Algebra 2 and Trigonometry

Grade: 10-12 5 Credits Semester

Prerequisite(s): *90 in Modern Geometry OR an 80 in Honors Modern Geometry*

This course is designed for the mathematics student of above average ability. Its major goal is to lead the student to a better understanding of mathematical principles with a balance between theory and practice and to assist students with a general understanding of mathematical application. The structure of the real number system is emphasized and is used as the basis for the development of the complex number system. Trigonometry is presented using the notion of functions and building on the student's familiarity with coordinates and properties of real numbers. Other topics of discussion are the study of methods for solution of linear equations and inequalities, sequences and series, operations of polynomials and rational algebraic expressions, radicals, irrational numbers, quadratic functions, equations, determinants and logarithms.

TI-84 Plus (or higher) graphing calculator required

3080 Trigonometry

Grade: 11-12 5 Credits Semester

Prerequisite(s): an average of 80 or higher in Algebra II or successful completion of Algebra II/Trigonometry

This course will include a complete study of trigonometric and circular functions. Trigonometry topics will include right triangle trigonometry, solving triangles using trigonometric functions, trigonometric function graphs, identities, solving trigonometric equations and polar coordinates. Applications of trigonometry will be explored including applications involving the relationship between trigonometry and complex numbers. Successful completion of this course could lead to the study of calculus.

TI 84 Plus (or higher) graphing calculator required

3065 Honors Pre-Calculus Functions

Grade: 11-12 5 Credits Semester

Prerequisite(s): *an average of 80 or above in Honors Algebra II/Trig or 90 in Algebra II/Trig or 90 or higher in Trigonometry*

This college level course may be taken for college credit through the College Acceleration Program (CAP) offered through Burlington County College. This course is designed to provide the student with the solid background needed for the study of calculus and other college math courses. By its nature, this course is difficult. Throughout the course, the student is introduced to the structure of mathematics and the general idea of a function and its properties followed by detailed studies of polynomial, rational, trigonometric, logarithmic and exponential functions. Mathematical modeling is used to illustrate the practical application of these topics to other fields of study. Students are introduced to elementary topics in calculus such as derivatives and their applications as well as area under the curve. With the use of technology, students concentrate on exploring, understanding and applying mathematical concepts introduced throughout the course. If time permits, additional topics such as natural logarithms, conic sections, matrices and determinants are explored.

TI 84 Plus (or higher) graphing calculator required

3075 Honors Probability and Statistics

Grade: 10-12 5 Credits Semester

Prerequisite(s): *90 or above in Modern Geometry <u>OR</u> an 80 or above in Honors Modern Geometry <u>OR</u> a 90 or above in Algebra 2 <u>OR</u> an 80 or above in Algebra 2 w/Trigonometry*

This college level course may be taken for college credit through the College Acceleration Program (CAP) offered through Burlington County College. This course is the standard college course in probability and statistics. The course is an introduction to mathematical condition and methods of probability theory, combination methods, expectations and independence. Algebra is used as a tool throughout the development of this course. Topics for discussion are as follows: data gathering, sampling, central tendencies, dispersion, position, permutations, combinations and general theory of probability, regression, correlation, t distributions, hypothesis testing and an ANOVA. Non-parametric statistics is introduced.
TI-84 Plus (or higher) graphing calculator required

3085 Honors Calculus I

Grade: 11-12 5 Credits Semester
Prerequisite(s): *90 Honors Algebra 2/Trig OR an 80 in Honors Precalculus Functions*
This college level course may be taken for college credit through Seton Hall's Project Acceleration or the College Acceleration Program (CAP) offered through Burlington County College.
Calculus I is a course in differential and integral calculus. The course starts with a review of important analysis and trigonometric topics including vertical and horizontal asymptotes, Pascal's triangle, circular trigonometric functions, etc. Limits, their meaning and methods of computing them, are given a thorough coverage next. Differential calculus is covered from the definition of the derivative as a specific limit to methods of taking derivatives and applications of the derivative including max-min problems, related rates, curve sketching, rates of change, etc. The course then concludes with a proof of the fundamental theorem of calculus, methods of integration, definite integrals and applications of integration including areas under and between curves, volumes and arc lengths.
TI 84 Plus (or higher) graphing calculator required

3910 Advanced Placement Calculus II

Grade: 12 5 Credits Semester
Prerequisite(s): *C or above in Honors Calculus I*
This college level course may be taken for college credit through Seton Hall's Project Acceleration.
AP Calculus II is a continuation of Calculus I (any topic not finished in calculus I will be given a thorough treatment). The class will use one day a week to sample AP test-type questions in an effort to prepare the student for the AP calculus exam. Topics covered will include the natural logarithm and exponential functions, inverse trigonometric functions, further methods of integration, sequences and series, polar coordinates and vectors and parametric equations. **Students must take the advanced placement exam in May.**
TI 84 Plus (or higher) graphing calculator required

PHYSICAL EDUCATION DEPARTMENT

The physical education program at Holy Cross plays an integral part in the total education of the students. The development of the physical, mental and social aspects of the student is stressed. The major emphasis of the program is on the appreciation and development of lifetime physical activities and recognizing the importance of fitness in the overall quality of the students' lives.

7010 Physical Education 9/Health 1

Grade: 9 5 Credits Semester
Prerequisite(s): *None*
This course is dedicated to the instruction of physical fitness-related activities. The "Personal Best" fitness testing is administered which stresses the importance of knowing and understanding the relationship of fitness to a healthy lifestyle. The remainder of the course is devoted to teaching basic skills, rules, and strategies in various sports, dances, and games. Units include but are not limited to: volleyball, basketball, handball, and flag football. Students will receive one marking period of Health Education and one marking period of Physical Education. The health

portion will touch on physical well-being, nutrition, reproduction, and the beginning of mental/emotional health, stress, and development of relationships. All participants are required to wear a Holy Cross PE uniform.

7020 Physical Education 10/Driver Education/Health 2

Grade: 10 5 Credits Semester

Prerequisite(s): *Physical Education 9/Health 1*

One whole marking period of this course is dedicated to the instruction of physical fitness-related activities. The "Personal Best" fitness testing is administered which stresses the importance of lifelong fitness and a healthy lifestyle. The remainder of the PE course is devoted to teaching skills, rules and strategies in the following units: speedball, volleyball, aerobics, tennis, floor hockey and touch football; additional units may be included. Driver Education will continue to be an integral part of the curriculum and will be offered for one quarter for all sophomores. Driver Education will focus on the knowledge of driving skills and how to become a safe driver while preparing students for the written exam. Behind the Wheel Instruction is offered at Holy Cross; however it is not part of the curriculum. Students can contact Mr. Donald or Mr. Gowan. Stress management, refusal skills, and learning to choose healthy lifestyles round out the Health II component of the course. Building and strengthening family and peer relationships will also be addressed in the health portion of the course. Sophomores will receive one half of a marking period of Driver Education and one half of a marking of Health Education, and one full marking period of Physical Education. All participants are required to wear a Holy Cross PE uniform.

PHYSICAL EDUCATION DEPARTMENT

ELECTIVE COURSES

7330 Wellness/Fitness

Grade: 11-12 5 Credits Semester

Prerequisite(s): *None*

Students will take part in a high caliber Physical Education environment while taking part in learning the importance and benefits of a well balanced diet and a regular activity plan. Students will take part in forming short and long term activity goals as a lifelong skill. Students will participate in the "Personal Best" fitness testing.

Throughout the semester students will participate in a series of units with focus on the tournament portion of each unit. Skills, strategies, techniques, and games will be incorporated into student learning. Units will include but should not be limited to lifetime activities such as tennis, bowling, basketball, golf, volleyball, and weightlifting. Assessments will include skill testing and written testing. This course runs for one semester. All participants are required to wear a Holy Cross PE uniform.

7320 Skills and Strategies

Grade: 11-12 5 Credits Semester

Prerequisite(s): *None*

Students will take part in a high caliber Physical Education environment where the focus is on the development of individual and team skills, rules, etiquette, and strategies of various sport and activity units. These units will include but should not be limited to include soccer, field hockey, touch football, basketball, track, tennis, weightlifting, aerobics, dance, volleyball, fishing, team handball and golf. Units will also cover rules, regulations and infractions, court/field dimensions, length of games, scoring, and number of participants, necessary equipment, and officiating. The students will be given a written test and/or a skill test for each unit. All participants are required to wear a Holy Cross PE uniform.

SCIENCE DEPARTMENT

4030 Biology 1

Grade: 9 5 Credits Semester

Prerequisite(s): None

This required course covers all the basic biology concepts including characteristics of living things, cell biology, genetics, evolution and natural selection, biodiversity and ecology. This core curriculum meets the national science standards.

Other topics may be introduced as time permits. Laboratory investigations, cooperative learning activities and class projects are incorporated throughout the course.

4035 Honors Biology

Grade: 9 5 Credits Semester

Prerequisite(s): *This course is open by invitation only based on a student's standardized scores, writing samples and placement test.*

This course is designed to meet the needs of those students who aspire to major in science by preparing them for advanced placement biology. This intensive course will infuse in-depth laboratory investigations, including dissection on the frog, data collection and written laboratory reports. Topics include biochemistry, cell structure and function, genetics, evolution and ecology. The concepts included in this course are studied in greater detail with emphasis on laboratory activities and current research and development while incorporating technology.

4050 Chemistry

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Biology 1 and a C or above in Algebra I*

This course is designed to meet the needs of COLLEGE-BOUND students. Chemistry assumes a working knowledge of Algebra I and related problem-solving skills. Success in this course requires retention and application of the early chapters for the remainder of the semester. The curriculum is a logical sequence of topics beginning with matter and energy and progressing through a study of atomic theory and structure, the periodic table, bonding, formulas and equations, stoichiometry, the gas laws, solutions, acids and bases and oxidation-reduction reactions.

4055 Honors Chemistry

Grade: 10-12 5 Credits Semester

Prerequisite(s):

A in Biology I <u>or</u> B in Honors Biology I

Geometry

+Standardized test scores may also be used to determine placement

This course is an intensive examination of the nature, composition and properties of matter. Topics covered include the classification of matter, stoichiometry, the gas laws, solids and liquids, atomic theory, inter-atomic and intermolecular bonding, oxidation-reduction, chemical equilibrium and reaction kinetics, acid-base reactions and thermodynamics. Other topics may be introduced as time permits. In addition to tests and quizzes, laboratory work is incorporated throughout the course. Students selecting this course must apply their abstract reasoning and mathematical skills in solving problems.

4040 Environmental Science

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Biology 1*

This laboratory course is recommended for students with a general knowledge of basic mathematical principles, who are interested in examining the interactions existing between the environment and technology. The goal of the course is to establish an awareness of the environment through concept-building experiences. The course will examine the structure of ecosystems through discussions on elements, life, organization and energy. A variety of

laboratory activities will be provided and projects required to help students understand the science behind environmental problems like acid rain and ozone depletion.

4320 Forensic Science

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Grade 10 students are required to have had a C or above in Biology 1*

This course will use forensic science as a vehicle for the practice of science as inquiry. Students will learn the methodology needed to investigate and evaluate a crime scene, the proper lab techniques needed to evaluate evidence and how to prepare between a known and an unknown. Students will learn how DNA fingerprinting and other forensic tests can be used to solve a crime. Students will use the scientific method (observation, collection of data, forming and testing hypotheses, advancing conclusions and communicating results) in an effort to determine what has happened at crime scenes. Topics include processing a crime scene, forensic anthropology, forensic entomology, DNA evidence, fingerprinting, hair and fiber analysis, and counterfeiting/forgery

4060 General Physics

Grade: 10-12 5 Credits Semester

Prerequisite(s): *C or above in Chemistry and completion of Algebra 2*

This course discusses topics in classical mechanics, waves and modern physics so that the student develops a broad understanding of the forces that move the physical universe. Laboratory work and projects are used to develop understanding of the basic principles of physics.

4065 Honors Physics

Grade: 10-12 5 Credits Semester

Prerequisite(s): *B in Honors Chemistry OR an A in Chemistry <u>and</u> a C in Algebra 2*

+Standardized test scores may also be used to determine placement

This course treats the topics of classical mechanics, waves and modern physics in greater depth than in the general physics class. A non-calculus-based college physics text is used, modified by those examples common to high school curricula but skimmed over in the college text. Laboratory work and projects are used to develop understanding of the basic principles of physics.

4310 Anatomy and Physiology

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Grade 10 students are required to have had a C or above in Biology 1*

Anatomy and physiology is an elective course to upperclassmen who have demonstrated an aptitude in the biological sciences. Work begins with a general understanding of the human body-plan and the structure and function of tissues. The first half also includes the study of skin, skeletal and muscular systems. The second half covers the nervous system, digestive, reproductive, circulatory, excretory and respiratory systems. Students will investigate the anatomy of the human body by performing animal dissections and will gain a higher understanding of human physiology through a variety of laboratory techniques. This course is designed for students with a strong interest in a career in the biological sciences, allied health fields (i.e. nursing, EMTs, veterinary technicians, athletic training, medical technicians and physicians), medicine or the desire to explore such careers. Dissections are required.

4330 Marine Biology

Grade: 10-12 5 Credits Semester

Prerequisite(s): *Grade 10 students are required to have had a C or above in Biology 1*

This course is designed for students who are interested in developing an understanding of the basic concepts of oceanography and marine biology. The major areas of study include chemical and physical factors of the ocean, marine plants, marine invertebrate, marine vertebrates, marine ecosystems, and marine ecology. Lab work will include, but in not limited to the dissection of one marine invertebrate and one marine vertebrate. This course is designed for students with a strong background in biology.

The following courses are offered on a yearly rotation:

4910 Advanced Placement Biology

Grade: 10-12 5 Credits Semester

Prerequisite(s):

B or above in Honors Biology 1 or Honors Chemistry

A in Biology 1 or Chemistry

+*Standardized test scores may also be used to determine placement.*

The AP biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. This course differs significantly from the usual high school biology course with respect to the range and depth of topics covered, the kind of laboratory work done by students and the time and effort required of students. The three primary areas of study are molecules and cells, heredity and evolution, and organisms and populations. The two main goals of AP biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The aim of this course is to provide students the conceptual framework, factual knowledge and the analytical skills necessary to deal critically with the rapidly changing science of biology. **Students must take the advanced placement exam in May.**

4920 Advanced Placement Environmental Science

Grade: 11-12 5 Credits Semester

Prerequisite(s): *B or above in Honors Biology 1 or an A in Biology 1 AND B or above in Honors Chemistry or an A in Chemistry*

Caution: THis course requires a strong chemistry background.

This course provides students with a learning experience equivalent to that of an introductory, half year college course in environmental science. Students will explore the interactions of living systems with each other and the interactions with the environment through public policy and practice in conservation. Students will be exposed to the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Observations and measurements in the field, as well as statistical analysis of online databases will enhance student understanding of the human environment relationship. Grades are based upon at-home and in-class work, laboratory reports, and tests.Students will be expected to take the AP exam in May.

SOCIAL STUDIES DEPARTMENT

Students are required to complete 3 years of social studies. Beginning with the class of 2017, students must complete the following: US 1, US 2, and World History. The graduation requirements have not changed for the class of 2016 (World History, US 1, US 2 or AP US History). Beginning with the class of 2017, AP History will no longer replace US 2.

5020 United States History 1

Grade: 9 5 Credits Semester

Prerequisite(s): None

This course is required of all students. It is a thematic study of United States history beginning with colonization and ending with reconstruction. Through the use of recurring themes, the course utilizes a conceptual approach to the study of history.

5025 Honors United States History 1

Grade: 9 5 Credits Semester

Prerequisite(s): This course is open by invitation only based on a student's standardized scores, writing samples and placement test.
This is a survey course offered to sophomore students. This course studies United States history beginning with colonization and ending with reconstruction. The course is designed to engage students in a hands-on approach to learning, which includes the integration of technology into lessons. This course is designed to help students begin to think critically about how history has affected them and how they will affect history.

5030 United States History 2

Grade: 10 5 Credits Semester
Prerequisite(s): None
This is a survey course that begins with reconstruction and ends with contemporary history. It is the continuation of United States I.

5035 Honors United States History 2

Grade: 10 5 Credits Semester
Prerequisite(s): B in Honors US History I OR an A in Honors US History 1
+Standardized test scores may also be used to determine placement
This in-depth study of United States history begins with the Civil War Reconstruction era and concludes with events which influence our nation and world today. The material is presented using a variety of methodologies, including the use of PowerPoint programs, cooperative learning techniques, media center research assignments and lecture.

5010 World History

Grade: 11 5 Credits Semester
Prerequisite(s): None
This survey course explores selected societies throughout history. The general aim of the course is to help students become active citizens who have the abilities needed to understand the world in which they live, high ideals and values and effectiveness in the basic social studies skills. In the study of each society, emphasis is placed on detected concepts which help clarify issues of today. Factual information, not an end in itself, is used to develop those concepts. Students will be required to do reading assignments and research, present class reports, participate in class discussions and complete both individual and group assignments.

5015 Honors World History

Grade: 11 5 Credits Semester
Prerequisite(s): B in Honors US History 2 OR A in US History 2
+Standardized test scores may also be used to determine placement
This survey course is an elective offered to incoming freshman students. The course is designed as a project-based, cooperative learning and educational experience that engages students in their learning. A hands-on approach to learning, which includes the integration of technology into lessons, is the foundation of this course. This course is designed to help students begin to think critically about how history has affected them and how they will affect history.

5910 Advanced Placement United States History

Grade: 11 5 Credits Semester
Prerequisite(s):
B in Honors US History 2 OR an A in US History 2
+Standardized test scores may also be used to determine placement.

The course develops the conceptual tools necessary to understand America's diverse political structures and practices, providing students with a learning experience equivalent to that obtained in most college introductory United States history courses. Primary source material and document-based questions will play a major part in the course. This course is intended for qualified students who wish to complete studies in the secondary school equivalent to a one-semester college introductory course in United States history. **Students must take the advanced placement exam in May.**

5320 Geography

Grade: 9-12 5 Credits Semester
Prerequisite(s): None
This course deals primarily with the basic concepts of geography; it includes the development of geographical thought, map structures, population growth, resource usage, climate change, and an observation of the world from a cultural viewpoint. A thorough study of the eleven culture regions of the world is made. Topics include atmosphere, oceans, climate soils, vegetation and land form. Maps, charts, technology projects, current events, worksheets and tests form a basis for grading.

5330 Psychology

Grade: 11-12 5 Credits Semester
Prerequisite(s): None
The Psychology course is structured to provide the students with an overview of the many areas of the rapidly changing science of psychology. No prerequisite course is required, and no prior knowledge of psychology is assumed. This survey course will introduce you to many of the underlying principles and approaches believed to guide human behavior, including biological factors, learning, memory, social cognition, intelligence, emotion, and personality. This class is not a self-help course; it is an introductory science course. You will gain many insights into your own behavior and the behavior of others along the way. The majority of the course will be spent learning about normal human behaviors and the techniques that psychologists use to research these behaviors such as: methods of research, approaches to behavior, criminal analysis, dream analysis, sleep, childhood, anxiety, mood, and behavioral disorders, etc. Psychological disorders and treatments will be discussed, but only during the last few weeks of the course. Lastly, the course is designed as an online self study. The students are asked to complete several portfolio assignments using technology, multi-media research and project- based assignments. The final evaluation and assessment of the course is a completed portfolio of assignments.

5340 Sociology

Grade: 9-12 5 Credits Semester
Prerequisite(s): None
This sociology course provides a broad overview of sociology and how it applies to everyday life. Major theoretical perspectives and concepts are presented, including sociological imagination, culture, deviance, inequality, social change, and social structure. Students will also explore the influence of social class and social institutions such as: churches, prisons, education, healthcare, government, sports and entertainment, economy, and environment. Further, this course explores the family as a social structure.

The following Economics courses are offered on a 2-year rotating cycle:

5920 Advanced Placement Macro-Economics (Will be offered in 2018-2019)

Grade: 10-12 5 Credits Semester
Prerequisite(s): A in Social Studies OR B in Honors or AP Social Studies

+Standardized test scores may also be used to determine placement.
The advanced placement program in economics offers to qualified students a college introductory course in macro-economics. AP macro-economics is designed to give students interested in economics, accounting and business-related fields a fundamental preparation in this social science along with the opportunity to receive college credits. A foundation in economics is necessary for the student considering a major in social studies or business-related fields. Readings in economic theory and position papers are required assignments. **Students must take the advanced placement exam in May.**

5930 Advanced Placements Micro-Economics

Grade: 10-12 5 Credits Semester
Prerequisite(s): A in Social Studies or B in Honors or AP Social Studies
+Standardized test scores may also be used to determine placement.
The advanced placement program in economics offers to qualified students a college introductory course in micro-economics. AP micro-economics is designed to give students interested in economics, accounting and business-related fields a fundamental preparation in this social science along with the opportunity to receive college credits. A foundation in economics is necessary for the student considering a major in social studies or business-related fields. Readings in economic theory and position papers are required assignments. **Students must take the advanced placement exam in May.**

WORLD LANGUAGE DEPARTMENT

6210 Spanish 1

Grade: 9 5 Credits Semester
Prerequisite(s): None
This program offers a manageable amount of high-frequency vocabulary, reinforced by grouping related words and by appropriate illustrations. Grammar concepts are introduced in English. Exercises in vocabulary, reading and writing are employed. Supplementary materials providing information on the customs, geography and music of Spanish-speaking countries also are included in this program.

6220 Spanish 2

Grade: 10 5 Credits Semester
Prerequisite(s): Spanish 1
Advanced testing is required for freshman placement in this course.
This course provides the student with a highly structured, logical sequence of concepts that enhance and advance the learning of Spanish. There is a comprehensive review of the Spanish I vocabulary and grammatical structures that are a foundation for Spanish II. The past and present tenses are studied with regular, irregular and reflexive verbs. The course is designed to reinforce and further develop listening, speaking, reading and writing skills. The culture of the target language is discovered, investigated and explored. Furthermore, the study of culture is interdisciplinary and includes history, geography, art, music and religion. Technology is employed throughout the semester. A primary concern is to engage the student in oral activities.

6230 Spanish 3

Grade: 9-12 5 Credits Semester
Prerequisite(s): Spanish 2
Students enrolling in Spanish 3 should have a strong foundation in the skills presented in both Spanish 1 and 2. In Spanish 3, emphasis is placed on oral expression. Students are required to demonstrate a mastery of

vocabulary and grammar through dialogues and written compositions. The tenses are completed and the subjunctive is studied. As culture is studied, PowerPoint presentations by the students are required.

6235 Spanish 4 Honors

Grade: 9-12 5 Credits Semester
Prerequisite(s): 90 or above in Spanish 3 or an oral proficiency test with teacher
This course introduces the student to Spanish and Latin American literature that includes the study of related history and art. Discussions are in Spanish with research projects presented to the class. Written compositions explore topics in depth and discuss the genres and eras studied. Emphasis placed on spoken and written Spanish.

6010 French 1

Grade: 9 5 Credits Semester
Prerequisite(s): None
French 1 introduces the student to the language and Francophone cultures. Grammatical concepts are introduced in English. Exercises in vocabulary, reading, writing, and speaking are employed. Materials that provide additional information on customs, music, geography, etc. of the Francophone countries are included in this course. Upon completion of this course, the student will be able to communicate coherently.

6020 French 2

Grade: 10 5 Credits Semester
Prerequisite(s): French 1
Advanced testing is required for freshman placement in this course.
This course builds on the foundation of French I by providing the student with a highly structured, logical sequence of concepts that enhance and advance the learning of French. There is a comprehensive review of French I vocabulary and grammar. Several new tenses are studied. This course is designed to reinforce and further develop listening, speaking, reading, and writing skills.

6030 French 3

Grade: 11 5 Credits Semester
Prerequisite(s): French 2
Students enrolling in French 3 should have a strong foundation in the skills presented in both French 1 and 2. In French 3, emphasis is placed on oral expression, writing, and reading. Students continue to study more advanced vocabulary and complex grammatical structures and the students are required to demonstrate mastery of these through dialogues and compositions. Various Francophone cultures continue to be explored through the text, selected readings, and Internet adventures.

6035 French 4 Honors

Grade: 12 5 Credits Semester
Prerequisite(s): 90 or above in French 3 or an oral proficiency test with the teacher
The students will continue to speak, read, and write in the target language as they discover, investigate and explore the Francophone people through literature, plays, poems, and accompanying vocabulary and idioms.

QUALITY POINT DISTRIBUTION

HOLY CROSS ACADEMY
METHOD OF DETERMINING CLASS RANK
All final grades are calculated using quality points to determine class rank.

MARKING SYSTEM: A = 93-100 B = 85-92 C = 76=84 D = 70-75 F = Below 70

The subjects in Group III (Advanced Placement) and Group II (Honors) are offered only to students meeting high standards of achievement with teacher recommendation. The subjects in Group I (College Prep) are offered to students meeting at least the minimum prerequisite aptitude standards for passing. All courses are 5 credits.

Group III Advanced Placement	**Group II** Honors	**Group I** College Prep	**Group I** College Prep (continued)
A = 6 Quality Points	A = 5 Quality Points	A = 4 Quality Points	A = 4 Quality Points
B = 5 Quality Points	B = 4 Quality Points	B = 3 Quality Points	B = 3 Quality Points
C = 4 Quality Points	C = 3 Quality Points	C = 2 Quality Points	C = 2 Quality Points
D = 3 Quality Points	D = 2 Quality Points	D = 1 Quality Point	D = 1 Quality Point
AP Biology	Honors Algebra 1	Accounting 1	
AP Calculus 2	Honors Algebra 2/Trig	Algebra 1, 2	Intro to Bus/Bus Comm.
AP Eng Lang/Comp		Algebra 2/Trig.	Journalism
		Anatomy & Physiology	
AP Eng Lit/Comp	Honors Biology 1	Animation	Marine Biology
AP Macroeconomics	Honors Calculus I	Biology 1	
AP Microeconomics	Honors Chemistry	CAD for Architecture	Modern Geometry
AP U.S. History	Honors English 1, 2,3, 4	CAD for Engineering	Mythology
AP Environ Sci	Honors Geology	College Math	PE/Health 9
	Honors Modern Geometry	Creative Writing 1, 2	PE/Health/DE 10
		Dance 1, 2,3	Photography
	Honors Physics	Design Technology	Planetary Science
	Honors Pre-Calculus Func	Economics and Tech	Prin of Bus Management
	Honors Prob and Stat	English 1, 2, 3, 4	Psychology
	Honors Stud Art 1, 2, 3, 4	Environmental Science	Religion 1, 2,3 4
	Honors U.S. History 1	Film	Shakespeare on Stage
	Honors U.S. History 2	Forensic Science	Skills & Strategies
	Honors World History	General Chemistry	Sociology
	Honors World Language 4	General Physics	Studio Art Survey 1, 2, 3
		Geography	Trigonometry
		Geometry	US History 1, 2
		Grammar and Comp	Wellness/Fitness
		Graphic Design 1	World History
		Graphic Design 2	World Lang 1, 2, 3

NCAA COURSE ELIGIBILITY

For information on NCAA Eligibility, please visit the website at www.eligibilitycenter.org

The following courses offered at Holy Cross Academy have been approved for core course eligibility and may be used to determine eligibility based on the NCAA requirements.

English
AP Language & Comp
AP Literature & Comp
English 1
Honors English 1
English 2
Honors English 2
English 3
Honors English 3
English 4
Honors English 4
Mythology

Social Studies
Honors American Law
Geography
AP Macroeconomics
AP Microeconomics
Military History
Psychology
Sociology
US History 1
Honors US History 1
US History 2
Honors US History 2
AP US History 2
World History
Honors World History

Mathematics
Algebra 1
Honors Algebra 1
Algebra 2
Algebra 2/Trigonometry
Honors Algebra 2/Trig
Honors Pre-Calculus
Honors Calculus 1
AP Calculus 2
College Math
Geometry
Modern Geometry
Honors Modern Geometry
Trigonometry
Honors Probability & Statistics

Science
Anatomy & Physiology
Biology
Honors Biology
AP Biology
Chemistry
Honors Chemistry
Environmental Science
Forensic Science
Marine Biology
Physics
Honors Physics
Honors Organic Chemistry
Planetary Science

Languages
French 1
French 2
French 3
French 4
Spanish 1
Spanish 2
Spanish 3
Spanish 4

Other
Religion 4