

Course Descriptions

*"Immaculata Academy, a private, Catholic, college-preparatory high school,
dedicated to educating women based on Franciscan values."*



2008-2009

STUDENT COURSE SELECTION

Each student is required to maintain a full schedule. Students are allowed only one study hall. Course selection is made in the spring of each year for the following year and must be approved in writing by a parent or guardian. Students

DUAL ENROLLMENT

After completion of Junior year, students may take college credit courses through Immaculata Academy's affiliation with Hilbert College. Trocaire and Erie Community College will also allow high school students to take certain courses.

Occupational, trade and technical courses are offered in a dual enrollment program with the Board of Cooperative Educational Services (BOCES) for both juniors and seniors.

COURSE OFFERINGS

Any course will be offered provided that a sufficient number of students are enrolled in the course at the time spring scheduling is completed. Immaculata Academy reserves the right to modify or withdraw any course.

An "R" following a course indicates a course that will conclude with a NYS Regents examination.

Graduation Requirements

In order to graduate with a Regents or Advanced Designation Regents Diploma, all students must successfully complete both the graduation requirements of Immaculata Academy and the NYS Regents examinations that are listed below.

Class of 2009 and 2010:

Regents Diploma

Math A Exam
English Language Art
Global History
US History
One Regents Science

Advanced Designation Regents Diploma

Math A and B Exam
English Language Art
Global History
US History
Living Environment plus One Regents Science
Comprehensive Foreign Language

Class of 2011 and 2012:

Regents Diploma

Integrated Algebra or Geometry,
or Algebra 2/Trigonometry
English Language Art
Global History
US History
Living Environment

Advance Designation Regents Diploma

Integrated Algebra and Geometry and
Algebra 2/Trigonometry
English Language Art
Global History
US History
Living Environment
Chemistry or Physics
Comprehensive Foreign Language

Honors Diploma

A NYS Regents Diploma with Honors will be granted to any student who has completed all required courses and achieves an average of 90.0% or better on all required Regents examinations.

IMMACULATA ACADEMY REQUIREMENTS

In addition to the requirements above students must also complete, 80 Hours Community Service over the four years (minimum of 20 per school year), a Senior Synthesis Paper with an exit interview, and successfully complete a senior research paper.

All students are required to enroll in at least seven classes each semester including Religion.

2/12/08

COMPUTER APPLICATIONS

Introduction to Computers (314) .50 credit
This course will cover both Introduction to Computers and Word Processing I. Topics which will be covered in this semester course are: computer hardware basics, Windows Operating System basics, Keyboarding, Intro to Word Processing, Intro to Spreadsheets, and Introduction to Databases, Formatting and Printing Documents. This is a required freshmen course.

Spreadsheets and Databases I (318) .50 credit
This course will cover spreadsheets and databases concepts and terminology. Basic knowledge and use of MS-Excel and MS-Access features and functionality will be learned. Students will be able to understand basic spreadsheet concepts and the purpose of the spreadsheet. Formatting a worksheet, including cells, rows and columns will be taught. They will also understand the use of MS-Access and its features and functions.

Spreadsheets and Databases II (319) .50 credit
This course will provide specific training and hands-on labs to enhance their knowledge in MS-Excel and MS-Access. Topics that will be covered are: use of Excel spreadsheet, storing data and performing calculations. Labs will include: maintaining inventories, expenses and averaging grades. Creation and modification of a standard database for MS-Access will be taught. Labs will include: record-keeping databases and survey data, database querying and reporting.

Computer Presentations I (315) .50 credit
This course will provide an in-depth overview of Word Processing and Presentation Techniques using MS-Word and MS-PowerPoint applications. Topics which will be covered are Basic to Intermediate features within MS-Word, Basic to Intermediate features within MS-PowerPoint, and creating enhanced documents.

Computer Presentations II (316) .50 credit
This course will focus on previously-learned skills, and incorporating them for the possibility of submitting articles for the school newspaper or the Literary Magazine. Going more in-depth in MS-Word will be explored. Advanced formatting techniques, styles and document templates, and PowerPoint II concepts and functionality will be used.

Desktop Publishing (302) 1 credit
1 YEAR – Students will learn desktop computer publishing techniques to provide them the ability to begin creating and design the school yearbook. Advanced level features and functionality will be taught. Some of the topics that will be covered are; Desktop Publishing Fundamentals and Techniques, Introduction to Adobe InDesign, and creating and editing a standard publication.

Desktop Publishing II (327) **NEW!** Pass/Fail
This is a pass/fail course that will be devoted to publishing the yearbook. Design techniques learned in Desktop Publishing I will be utilized to create the yearbook. Students will design pages, decide theme, take photos, write copy and upload

word and picture files to the yearbook website. Prerequisite: Desktop Publishing I.

Creative Design (320) .50 credit
This course will have an emphasis on Adobe Design, Photoshop and Illustrator applications. Students will be required to submit articles for publication.

Accounting (310) 1 credit
1 YEAR – This course instructs the student on proper recording of the financial activities of a merchandising business.

ENGLISH

English 9 (100) 1 credit
This course concentrates on a survey of literature and writing skills. The genre survey includes a novel, short story, drama, and Shakespeare's *Romeo and Juliet*. This course helps the students to develop writing skills, with emphasis on a five paragraph essay, and review editing skills. Vocabulary growth and library research skills (both traditional and electronic) are a focus. In addition, students receive instruction to prepare for the Regents Exam, with an emphasis on listening practices.

English 9 Honors (109) 1 credit
This course concentrates on a survey of literature, including essays, short stories, novels, and plays. Writing tasks include improvement in description, exposition, narration, and persuasion. In addition, vocabulary growth and beginning preparation for the Regents exam task are a focus. Learning library and research skills and preparing a research paper are part of the class. This class demands the ability to read and think in depth about topics, and to write with sophistication. Admission to the class is based on the placement test results, and admissions team and English department approval.

English 10 (101) 1 credit
This course is a continuation of the general literature survey, with an emphasis on building appreciation of literary thought. Students continue to expand knowledge of grammar and vocabulary, and explore a variety of writing styles. Novels, a Shakespearean play and anthology selections are studied. Library and research skills are practiced. In addition, Regents Exam skills are reinforced and enhanced, with a focus on literary analysis writing using a critical lens.

English 10 Honors (108) 1 credit
This course is a general literature survey; students will study several novels, poems, plays, complete a unit on journalism, compile a research paper, and focus on Regents skills. A Shakespearean play is also included. The Honors curriculum differs from the regular English 10 curriculum in that students cover material at a faster rate, and are expected to complete a larger amount of work outside of class. These students are challenged with higher standards and additional writing assignments, both

creative and analytical. Permission of the English Department and an 85% average in English 9 or 9 Honors and a cumulative average of 85% are required.

English 11R (102) 1 credit
This course emphasizes American writers and their contribution to our heritage. This is a Regents oriented course, increasing competency in the expository and creative writing, literary analysis, vocabulary, and listening skills. Students also prepare a research paper.

English 11 Honors (106) 1 credit
This course focuses the literature of American writers and their contribution to our heritage, including essays, poetry, short stories, novel, and plays. The course demands increased competency in expository and literary analysis writing and Regents tasks. A research paper is included. Students are challenged more than English 11R with more reading and essay preparation outside of the class at a faster speed. Permission of the English Department, an 85% average in English and a cumulative average of 85% are required.

English 12 (103) 1 credit
1 SEMESTER per course. Two courses must be taken to fulfill the state requirement for graduation: Students select preference, and the two most requested are offered.

- **Creative and Practical Writing** – Students will analyze and compose a variety of creative writings: journals, poetry, essays, and short stories. This course will include practical writing activities, such as resumes and college application compositions, to prepare students for college and job experiences.
- **Women in Literature** – This course will focus on the roles of women as authors and characters in literature from many historical periods. A variety of literary selections by and about women will be chosen.
- **Public Speaking/Drama** – This course will combine public speaking activities, reading of plays, and the participation in dramatic performances. Back stage information and performance tips will be included.
- **Survey of World Literature** – This course will combine different genres from a variety of times and cultures (British, French, Spanish, etc.)

Advanced Placement English: Literature and Composition (104) 1 credit
This course is designed for superior English students who desire and would benefit from advanced literary study, extensive research and writing projects. This class is designed to prepare students for the A.P. exam in May. Permission of the English Department, high school average of 90% or higher, and a 90% cumulative English average are required.

Elements of Broadcasting (115) .50 credit
Television broadcasting will offer students the opportunity to report current events, offer editorial commentary and feature stories in an in-school production of a television program. This course would use television technology to broadcast within the school. It is a one semester elective.

ART

Studio in Art I & II (700) & (701) .50 credits/year

2 YEARS - A comprehensive foundation course that develops artistic skills, and applies the elements of art for the expression of her particular vision. Through a variety of studio experiences in two-dimensional and three-dimensional drawing and design, using a variety of media, the student gains experience in the fundamentals of art. This fulfills the fine arts requirement for graduation and is a prerequisite for all other studio courses.

Studio in Drawing and Painting (703) 1 credit
An advanced course, the student is provided an opportunity to explore a wide variety of materials and tools, as well as develop the compositional and artistic skills and techniques required for drawing and painting. Media include charcoal, pen and ink, pastel, watercolor, acrylics, and oils.

Studio in Sculpture (704) 1 credit
An in-depth study into three-dimensional art techniques, the student will explore relief sculpture and art in the round in various materials, including plaster, wood and clay. These experiences will be related to the work of sculptors – past and present.

Studio in Design (702) 1 credit
Good design is essential to both the graphic arts and the fine arts. This course will teach the elements and principles of good design. A variety of techniques and media, both two and three-dimensional, will be explored.

Hands on Art History (715) 1 credit
This hands-on course offers an exploration of art history – the eras, art movements, and artists. Students will produce beginning art works, which reflect the techniques of the changing times through art history.

Advanced Placement 2-D Design (714) 1 credit
This course is intended to address a very broad interpretation of two-dimensional design. Students will create a 2-D Design portfolio, which will be submitted for college assessment credit. Students will gain personal growth by problem solving and decision making about how to use the elements and principles of design. Students will demonstrate proficiency in two-dimensional design by using a variety of art forms, and approaches to expression, representation and abstraction. Prerequisite: Completion of Studio in Art I and II. Plans include attending an Art college or pursuing a career in the Arts.

Advanced Placement Drawing (717) 1 credit
This course will help students prepare a Drawing Portfolio, which will be submitted for college assessment credit. Students will explore a variety of techniques using the element and principles of art. Students will use creative problem solving and personal expression to create a body of works in a personal concentration area. Prerequisite: Completion of Studio in Art I and II. Plans include attending an Art college or pursuing a career in the Arts.

Advanced Placement Sculpture (718) 1 credit
This course will help students prepare a series of slides of three dimensional art works to be submitted for college assessment credit. Students will explore a variety of sculpting media and techniques to create a focus for their own personal concentration area. Prerequisite: Completion of Studio in Art I and II. Plans include attending an Art college or on pursuing a career in the Arts.

Music

Chorus I & II (705) .50 credit / year
2 YEARS - This course introduces the student to the many facets of the understanding, practice, and performance of choral music in a group setting. Basics in theory and sight-reading of choral literature are emphasized and applied in public and liturgical settings. Choral presentations are in both standard and "show-choir" styles. Several out-of-school presentations are required including concerts and masses. This fulfills the fine arts requirement for graduation and is a prerequisite for additional music courses.

Vocal Lessons (710) .25 credit
This course provides the opportunity to study on a "one-to-one" basis. The student will meet one or two times per week for a class period. Lessons will concentrate on proper vocal technique and performance practice.

The Enjoyment of Music (715) .50 credit
This course is designed to educate and enlighten about music throughout history, from the Middle Ages to the 20th century. There is an emphasis on the works of the great composers, and on understanding their place in history. It is a discussion class centered heavily on listening, and supported by readings in the text. Each class period will add to and clarify your musical vocabulary, so that you will be able to better appreciate music of all kinds. Popular forms, including musical theatre and jazz, are also explored.

Music Theory and Application I (708) 1 credit
This course is designed to continue the credit requirement for a sequence in music. This is a full year course. It is an introduction to basic music theory beginning with simple note reading and sight singing, and extending to more advanced topics such as harmonization and song-writing. This course is invaluable to students who are interested in pursuing a music career.

Music Theory and Application II (712) 1 credit
This course is designed to expand on the concepts learned in Theory and Application I. This is a full year course. The above music courses may be combined to complete a Regents sequence in music.

Instrumental Lessons (709)
Instrumental lessons are available at Immaculata through the Paul Effman Music Service. Group instruction in

woodwinds, percussion, and strings occurs once a week and instrumentalists participate in school concerts. Lessons are available to beginners through advanced levels. There is a fee.

WORLD LANGUAGES

French I (604) 1 credit
This course introduces basic French vocabulary, sentence structures and culture. The active skills of listening and speaking are emphasized and reinforced through the teacher's use of spoken French.

French II (605) 1 credit
This course further develops knowledge of vocabulary, more complex grammatical structure, and the formation and usage of all indicative verb tenses. Pronunciation, conversation, listening and reading comprehension are emphasized. In addition, French cultural topics are studied.

French III R (606) 1 credit
The practice and development of all language skills are continued. Comprehensive reading and listening activities, increased conversational skills, and composition writing are emphasized. The NYS Comprehensive Regents exam is given at the end of this course.

Honors French (611) 1 credit
This course is designed for those students who have successfully completed the three-year Regents program. Focus is placed on art, literature, history and culture through comprehensive reading of an abridged novel and class discussions in French. Permission of the World Language Department, a final average of at least 85% in French III and at least an 85% on the Regents exam are required.

Latin I (607) 1 credit
This course consists of an introduction to Latin grammar, and begins with general review of English grammar, parts of speech, sentence structure, etc. The student becomes acquainted with the vocabulary and language structure by reading in Latin about the geography of Rome, Roman every-day activities, and its history and mythology. Emphasis is placed on etymology – word derivation. The NYS Proficiency exam is given at the end of this course.

Latin II (608) 1 credit
Reading Latin with comprehension is the main focus. Reading content covers the historical period of Rome up to the second century B.C. It includes a survey of Latin literature from the Golden Age to the Middle Ages. Grammatical structures and etymology are continued.

Latin III R (609) 1 credit
The focus of the reading content is on events and personalities of the last century of the Roman Republic. The historical, rhetorical and literary works of Caesar, Cicero, Sallust and others make up the material for comprehensive reading. Rhetorical and stylistic literary devices and advanced language structures are stressed.

The NYS Comprehensive Regents exam is given at the end of this course.

Roots (612) .50 credit
This course will examine word origins and meanings by studying Latin and Greek influences on English, including borrowed phrases and mottos. Also, a list of “hot words” and a survey of question types found on SAT exams will be studied. A collegiate type dictionary, i.e. one that gives etymologies, is required. Additionally, the textbook English words from Latin and Greek elements and its accompanying workbook are required.

Spanish I (600) 1 credit
The study of the language and culture of Spanish speaking people is presented in this course. The course is taught by an adaptation of the Natural Approach where communicative competence is developed, gradually preparing the student to understand and communicate in the target language. Simple grammar and sentence structure are covered. The students learn to converse about themselves, their families, friends, favorite activities, dates, time, weather, etc. Cultural activities are incorporated in the program.

Spanish II (601) 1 credit
This course continues communication development through vocabulary building and pronunciation. More complex grammatical forms are taught. Emphasis is placed on guided conversation and elementary composition. The culture and daily life of Spanish speaking people are studied, with activities planned for students.

Spanish III R (602) 1 credit
The practice and development of skills are continued. Comprehensive reading and use of the spoken language are increased in this course. Functional grammar is reviewed and completed. Emphasis is placed on dialogue and composition writing. The NYS Comprehensive Regents exam is given at the end of this course.

Honors Spanish (603) 1 credit
This course is conducted with emphasis on conversation, fluency of self-expression, letter writing, and the comprehensive reading of novels, plays, newspapers, and magazines. An Introduction to Spanish literature is included with emphasis on translation and interpretation. Grammar and composition will be refined. Culture and proficiency will be enhanced through various projects. Successful completion of the three-year Regents program, an 85% or above on the New York State Comprehensive Regents Examination and the permission of the World Language Department are prerequisites for this course.

Spanish 5 (614) *NEW!* 1 credit
This fifth year course is a culmination of all prior learned Spanish skills. The five basic aspects of language are enhanced. Speaking, reading, writing, listening, and culture are further developed. A collection of authentic literature will be read with emphasis on translation and

interpretation. Extended writings, listening, and speaking immersion in the target language are stressed.

Successful completion of Spanish 4 and the permission of the World Language Department are prerequisites for this course.

MATHEMATICS

Integrated Algebra R (423) 1 credit
This is a one-year algebra course. Some topics covered are linear equations, quadratic functions, absolute value, exponential functions, coordinate geometry, trigonometry, and probability. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. A regents exam is taken in June.

Algebra A (424) 1 credit
This course begins a year and a half study of integrated algebra topics. A school exam will be given at the end of the year. Students will take an additional semester of algebra next year, before taking the Integrated Algebra Regents Exam.

Algebra B (427) *NEW!* .50 credit
This course continues Algebra A for one additional semester. Topics will include quadratic and exponential functions, coordinate geometry, and trigonometry. A Regents exam will be taken in January. This course is required for all students who took Algebra A but have not yet taken the Algebra Regents exam.

Geometry (428) *NEW!* 1 credit
This is a one-year geometry course is the second year of math required for graduation. Some topics covered are geometric relationships, constructions, locus, informal and formal proofs, transformations, and coordinate geometry. A Regents exam is taken in June.

Math B Continued R (413) 1 credit
This course integrates concepts from algebra and geometry with an emphasis on trigonometry. Topics include complex numbers, relations and functions, circular functions, logarithms, transformation geometry, probability and statistics. Students will take the Math B Regents exam at the end of the year. This course is required to obtain an Advanced Regents Diploma.

Algebra and Statistics (420) 1 credit
This is a one-year course that includes statistics and more advanced techniques in algebra required for most colleges. Math A is a prerequisite for this course. A school exam will be given as the final exam. This course meets the 3rd year requirement for Math. This course does NOT meet the requirements for an Advanced Regents Diploma. Students seeking an Advanced Regents must take Math B Cont. and pass the Regents Exam.

Math A-3 R (403) .50 credit
Students in Math A-3 will complete the Math A program. Students are introduced to trigonometry. Additional topics

in algebra and geometry are included in this part of the course. This course completes the graduation requirements for those students who have taken Math A-1 and Math A-2. Students will take the Math A Regents exam in January.

Survey of Geometry (410) .50 credit
This mathematics course is designed for students who have completed Math A-3 by February of their Junior year and need an additional half credit to meet the requirement of 3 credits in math. Topics will include quadrilaterals, trigonometry, circles, and coordinate geometry.

Pre-Calculus (407) 1 credit
In the first semester, Pre-Calculus will include various topics experienced in Math B. Functions will be explored further than in previous courses. Trigonometry, exponential functions, conic sections and other topics will be covered with an emphasis on their applications. In the second semester, students will be exposed to a semester of Calculus. They will be introduced to derivatives, limits, integrals, optimization problems as well as other topics found in a college Calculus course. Prerequisite: Successful completion of Math B.

Calculus (408) 1 credit
This course will introduce students to Calculus. The course will cover the concepts of limits, derivatives, their applications in the sciences, as well as integral Calculus and its applications. This course will cover many of the topics in the AP curriculum, but without the rigor and the demand of an Advanced Placement course. It is designed for those students who may be required to take a college Calculus class in the future. Prerequisite: Successful completion of Pre-Calculus or mastery of Math B (90% or higher on the exam and course).

PHYSICAL EDUCATION

Physical Education (804-807) .50 credit/ year
The students channel energies into a variety of pursuits and come away with a life-long enthusiasm for physical activities. Held twice per 6 day cycle, this program emphasizes the fundamentals of varying fitness and sports activities including fitness, flag football, softball, volleyball, badminton, basketball, ultimate Frisbee and floor hockey. Each area of study is played a maximum of once per 2 year period, allowing exposure to a wide variety of activities. The program also focuses on adding at least one new activity to the school every two years. Students can opt to take dance as an alternative for physical education

Dance (808) .50 credit/ year

Students will be offered the opportunity to learn dance techniques as an alternative to physical education classes. Students who are interested in this option should register for dance and will be contacted once course offerings have been finalized.

Concepts of Team Sports (809) *NEW!* .50 credit
This class will give students who have performed at an advanced level in Physical Education the opportunity to participate in a more intense and competitive environment. The teaching emphasis of this class will be focused more on the strategic and tactical concepts of team sports, rather than individual skill acquisition. Students will be expected to demonstrate competency and/or proficiency in the psychomotor, cognitive, and affective learning domains. This is an elective course and does not meet the NYS physical education requirements.

Competitive Cheerleading (810) .50 credit
If you have an interest in cheerleading or a desire to motivate others, then this class is for you. This course will offer a combination of jumping, motions, stunting, dancing and gymnastics all in one. No cheerleading experience necessary, just a positive attitude and a competitive edge. The latest guidelines, safety, and standards of the cheerleading industry will be provided to promote healthy training while creating a positive and challenging atmosphere, keeping in mind the mental and physical well-being of our students. Depending on skill level and interest, performing at home games or local competitions may be an option. This is an elective course and does not meet the NYS physical education requirements.

RELIGIOUS STUDIES

Religion 9:
Understanding Catholic Christianity (800) .50 credit
This course is designed for the ninth grade student as a comprehensive overview of Catholicism bringing the student to a deeper appreciation of Catholicism's beliefs, rituals, moral mission, and prayer and spiritual life. Themes explored include: Identity and Development: Becoming who we are called to be. Faith: Responding to God's invitation, Scriptures: Healing and living the inspired word of God, The Sacraments: Celebrating the grace of God, The Church: Gathering in the spirit of Jesus and Jesus and the Paschal Mystery: Finding life through death. Students must also complete at least 20 hours of community service.

Religion 10:
Jesus of History/Christ of Faith (801) .50 credit
This sophomore course provides a comprehensive overview of Hebrew Scripture and the connection of the mission, ministry and life of Jesus as presented in Christian Scripture. It explores the religious, political, and social cultures of Jesus' time, and focuses on His life, teachings, parables, miracles, and resurrection as presented in the Gospels and writings of St. Paul. Students must also complete at least 20 hours of community service.

Religion 11:

Understanding Christian Morality (802) .50 credit
 This course is designed to help the eleventh grade student understand the moral aspects of the Christian life. It discusses the meaning of morality, human behavior, sin and evil, conscience, the role of law, and the basis of Christian morality. Specific moral issues are also dealt with in this course. Students must also complete at least 20 hours of community service.

Religion 12:**A Christian Perspective On Social Issues & Marriage/Family (803)**

.50 credits
 Peace and justice issues are the themes in this senior level course. Application of our Christian beliefs to world and national problems causes of injustice, and possible remedies are explored. Marriage and relationships with others is included as part of the Diocesan requirement to study the Sacrament of Marriage. Parenting education is also discussed as required by NYS Dept. of Education. Students must also complete 20 hours of community service which continues our commitment to Franciscan values as our students prepare to take their places as leaders of tomorrow. A senior synthesis paper and interview are also a part of this course and are required for graduation.

SCIENCE

Earth Science R (500, Lab 501) 1 credit
 Earth science involves the study of the "whole Earth" through the study of its parts. Basic concepts of meteorology, astronomy, and geology, as well as geologic landforms and history are explored. Emphasis is placed on understanding nature's forces and observing/measuring the many changes that occur on Earth. Students are introduced to certain principles of geometry, chemistry, and physics as needed. During class demonstrations and laboratory days work, students are provided opportunities to experience the forces and concepts discussed in class. Lab requirement must be met in order to take the Regents final exam.

Biology R (502, Lab 503) 1 credit
 This course is designed to provide a broad, general understanding of the fundamental principles of biology. Topics include biochemistry, maintenance in animals, plants, human physiology, reproduction and development, genetics, evolution and ecology. Related laboratory exercises representing at least 1200 minutes are required. There are 3 lab periods per cycle in addition to the five day per week class. All labs must be completed to qualify to take the Regents exam. This course is required for those pursuing a Regents diploma.

Biology Honors R (513, Lab 517) 1 credit
 This course is designed for students who have a desire to explore Biology in a more in-depth level than is currently required in Regents Biology. This course is quick paced.

Interested students should be independent, self-motivated, and hardworking. These students should enjoy solving complex problems and may be considering a future career in science. A minimum of 1200 minutes of related laboratory exercises are required. There are 3 lab periods per cycle in addition to the five day week class. Students will take the Living Environment Regents Exam as their final examination. Interested students must have a cumulative average of 85%.

Advanced Placement Biology (508)

1 credit
 This course is designed for superior science students who desire more in-depth knowledge and understanding of Biology. It will prepare the student for the AP Biology exam in May. The prerequisites are an overall high school average of at least 90%, a cumulative science average of 90% AND the approval of the science department. The course includes three broad areas of biology: molecules and cells, heredity and evolution, and organisms and population. There are 12 required labs and a college text is used (This course should not be taken in place of chemistry or physics if a student is planning for a science-related major. It can, however, be taken in addition to one of these courses.)

Environmental and Physical Science (510) 1 credit

This course is a full year, non-regents offering intended to appeal to students interested in science and its' relevance in current society. This course will provide a cross-section of topics from environmental science and focus on hands on activities to demonstrate concepts. Topics may include air, water, and land pollution, resource use and conservation, deforestation, toxic waste disposal, solid waste management, and alternative energy sources. Activities to illustrate the above may include soil, water, and air quality testing, seed germination, water spill cleanup, and nature hikes.

Chemistry R (504 / Lab 505) 1 credit

This course introduces the basic concepts underlying the chemical interpretation of the behavior of matter in light of modern chemical theory. Students are exposed to the interrelationship between the qualitative and quantitative aspects of the science with laboratory work designed to illustrate and reinforce classroom work. Lab work is an addition to the standard classroom periods. Solid mathematical background and abilities are recommended.

Chemistry Honors R (514, Lab 516) 1 credit

This offering is intended to serve as an enhanced and expanded course based on the standard New York State Regents Chemistry curriculum. Topics added or receiving increased treatment include (but are not limited to): (1) Quantum numbers, electron configuration and orbital theory (2) Chemical equilibria and its mathematical expression (3) spontaneous and non-spontaneous

reactions in electrochemical cells (4) Bronsted-Lowry and Lewis acid-base theories and (5) industrial applications and processes. A laboratory requirement accompanies the course. The Regents examination in Chemistry will be given as the course final examination. Student placement in the course requires a minimum cumulative average of 85% and approval of the science department.

Advanced Placement Chemistry (515) 1 credit
The A.P. Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The intent of the course is to expand upon the student's Regents Chemistry experiences and provide greater depth of investigation into these general areas: structure of matter, states of matter, reactions, descriptive chemistry and laboratory work. A college level text is used and the A.P. examination is taken in May. Prerequisites include successful completion of Regents Chemistry and Math A.

Physics R (506, Lab 507)
1 credit
This course is intended to provide a current view of the science with major emphasis on fundamental areas of mechanics, electricity and energy, and wave theory. Basic concepts such as momentum and inertia, the conservation of energy and electrical charges are investigated as related instead of isolated topics. Laboratory work is designed to enhance classroom experience and is in addition to the regular lecture periods. The mathematical nature of the subject necessitates successful completion of Math A as a prerequisite.

Health I (509) .50 credit
Health education is a required course for graduation designed to increase the student's awareness of health concepts, as well as help the student develop a sense of responsibility for her total welfare. Topics cover a wide range of knowledge including wellness, nutrition, alcohol education, medicine and drugs, HIV/AIDS, sexually transmitted diseases, reproduction and contraception.

Health II (521) .50 credit
This course is a continuation of Health I and is designed for students who want to further their knowledge on health related topics. The variety of topics that will be discussed will cover a wide range of significant information including parenting and child care, dating violence and violence prevention, managing healthy relationships, injury prevention and safe behaviors, responding to emergencies, and mental health problems. Prerequisite: Health I (509)

Introduction to Health Occupations (518) .50 credit
This course will introduce the student to a variety of health care professions. Among them are physical therapist, occupational therapist, nurse, lab technician, radiology technician, and respiratory technician. The student will be exposed to the types of courses needed to pursue each of these careers. This Course will include a general review

of human anatomy and physiology. Field trips will be arranged.

Basic Human Anatomy and Physiology (524) .50 credits
Attention all prospective nurses, doctors, therapists, hygienists. Get a head start on first level anatomy and physiology for college freshmen. Learn the basic components of the human body: bone structure, respiratory, circulatory, reproductive systems. This course will serve as an introduction to the basic human biology classes which you will be required to take if you matriculate in any of the health field majors. This will be a half year course.

Independent Living (519) .50 credits
This survey course covers the basics of living on your own. The areas included are consumer skills; cooking/nutrition basics; sewing basics; personal care; and home care.

Personal Leadership (520) .50 credits
This course is based on the learning and living of the principles put forth in the internationally recognized program *The 7 Habits of Highly Effective Teens* by Sean Covey. Students will become prepared to "stand up for themselves and resist peer pressure, be more goal-oriented and view life as a positive, meaningful experience."

SOCIAL STUDIES

Global Studies 9 (200) 1 credit
This course centers on an introductory unit, which establishes a framework for the course. There is a study of Africa, South Asia, East Asia, and Latin America.

Global Studies 10 R (201) 1 credit
This course will center on the Middle East, Western Europe, Russia and the USSR, Eastern Europe and the world today. Students must pass a Regents examination on both global Studies 1 and 2. This test is taken at the end of the sophomore year.

Global 10 Honors R (211) 1 credit
In addition to the Global 2 curriculum, students will implement research techniques, and the use of primary sources and historical literature, to enhance the learning experience. This is a Regents oriented course, which emphasizes an understanding of historical impact on current events. The student will work from a required reading list and will produce a variety of independent projects. The Regents exam in Global Studies will be given at the end of the year. The course requires student achievement of a 85% or better average in all four

quarters of Global 1 and a recommendation from the Global 1 teacher.

American History R (202) 1 credit
United States History and Government is a mandatory Regents course. It is the chronological study of United States History on a conceptual level. Students will focus on The Constitution, economic development, social change, expansion and the path of the United States to its position as world leader today.

Advanced Placement American History R (203) 1 credit
This course explores the progression of U.S. History beginning with exploration and settlement, the establishment of the Republic, development of Party systems, and Domestic Foreign Policy. Additional readings and discussion of significant U.S. historical topics will assist the student in preparing for the A.P. exam in May, as well as the Regents. Permission of the Social Studies Department and an overall average of 90% are required.

American Government (204) .50 credit
This course describes the principles of government as they are applied in practice. Emphasis will be on the constitution, federal, executive, legislative, and judicial political parties, and the duties and responsibilities of an American citizen.

Introductory Economics (205) .50 credit
This course explains economic principles, factors responsible for production, business organization, capital and management costs, prices and output in competitive markets, and the consumer's role in the American economy. Students interpret data, examine contemporary economic problems and analyze the nature of government within the free enterprise of the United States.

Sociology (206) .50 credit
In this course students learn the process of sociological perspective and socialization, how groups of people learn cultural patterns and social norms as children, adolescents and adults. Further study involves examining the growth of community, the results of urbanization and the numerous changes brought about because of social movement.

Psychology (207) .50 credit
This course is designed to help students get a better understanding of their mental and emotional health. This acquaints the student with concepts and theories in the field of psychology and promotes discussions on why and how people become emotionally/mentally unhealthy, as well as signs and symptoms and treatments of disorders.

Women Leaders in History (208) .50 credits
This course focuses on Women's roles and contributions in history. The students will study the evolution of women's roles, stereotypes, Women's Rights activists and contemporary women influencing our lives and society.

Law in Society (209) .50 credit
Law in Society (209) .50 credit

This course offers students the opportunity to further explore the relationship that exists between man, government and society as seen through the legal system. Students will explore the nature and function of law, the police, the criminal justice system, and students' rights and responsibilities. Areas may be explored using mock trials, case studies, public policy analysis, and guest speakers.

"The Great American Film Course" (210) .50 credit
In this course the film industry will be studied from its birth to the present. Sound, special effects and animation will be discussed. We will examine films that have a historical message and films as entertainment.

Canada, Our Neighbor to the North (212) .50 credit
This course will examine the evolution of Canada and its national identity with special emphasis on the contributions of the French people. It will consider the influences of the explorers, missionaries, traders and early settlers. It will follow the development of the provinces up to the present with special emphasis on Quebec.

**Introduction to Japan:
Its Language and Culture (213)** .50 credit
The small island of Japan is one of the most prolific in the world in terms of technology, expertise and know-how in the fields of computer development; automotive innovations; business acumen. Discover some of the history of this island nation, its geography and most especially its fascinating culture: should I bow or shake hands; is it permissible to blow my nose in public; how do I say "Help, I'm lost". Learn to do origami or how to prepare for a tea ceremony. Master some of the basic phrases in this Oriental language or how to write your name in Japanese. This half year course will introduce you to the Japanese way of life.

HILBERT COLLEGE COURSES	NEW!
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Hilbert College will allow students who have completed their junior year of high school to take courses during the summer or simultaneously during their senior year for college credit. Students must be in good academic standing and approval of the Guidance Counselor and Principal is required. These courses do not always coincide with our daily schedule; every effort is made to accommodate requests. Students who are enrolled are expected to follow the Hilbert class calendar and need to attend classes if they are in session and we are not. Students will pay a rate of two-thirds tuition (approximately \$175 plus any text books or materials required) Students will be issued a quarterly grade for their report card and will receive .50 credits for the course, college credits will be issued by the college based on the final grade received.

EN 101 College Writing .50 credit
Emphasizes the writing of formal expository and argumentative essays and provides an introduction to basic research techniques. The study of rhetorical principles and analysis of sample essays are among the

methods used to assist students to write clear, unified, coherent papers about interesting topics for specific audiences. In-class workshops are utilized to help students acquire a greater control of methods of development, apt vocabulary, mature sentence structure, and standard English usage.

CJ 101 Introduction to Criminal Justice .50 credit

An introduction to the parts of the criminal justice system and the interrelationship of these parts, incorporating the development of the CJ model. The three areas of this model are studied: law enforcement, judicial/legal, and corrections. The criminal justice system is viewed in its historical development as well as in its relationship to contemporary social issues. A required course for Criminal Justice and Economic Crime Investigation majors.

BI 114 The Human Body .50 credit

An introductory study of the structure and function of the human body approached through a sequential investigation of the systems of the body and current developments in the health field.

PS 101 Introduction to Political Science .50 credit

This course introduces students to the central concepts of Political Science, such as power, domination, liberty, and legitimate and illegitimate authority. In addition, students will be introduced to the basic methods employed by political scientists. The relevance of the course material to American politics, both past and present, will be highlighted.

TH 101 Introduction to Theatre .50 credit

As with any introductory course in any discipline, Introduction to Theatre seeks to present students with the overview of the principles and practices of the Western theatrical tradition. By the end of the semester, you will have a greater understanding of the history, structure and practice of theatre and see how the performing arts create and are created by our society.

COM 110 Introduction to Mass Media .50 credit

Introduction to Mass Media will present student with a fundamental understanding of mass communication theory. The course will examine various forms of mass media in terms of their evolution, contemporary status, and future potentials. The course will also study the effects of mass media on both a personal and global level. The lecture portion of the class will be supplemented by video screenings, field trips, in-class research, and group work.

COM 170 Explorations in Media .50 credit

Introductory digital art course. Students learn to use a various forms of digital media to create messages, including photography, sound, video, basic animation,

electronic, and print applications. Students also learn the basics of artistic theory through lecture and practical application, and methods of using art to transmit messages. The course includes exposure to the technology of media.

GET INVOLVED!

ATHLETICS

SOCCER
VOLLEYBALL
CROSS COUNTRY
GOLF
BASKETBALL
BOWLING
BADMINTON
TRACK
SOFTBALL

CLUBS

Art Club
Bell Choir
Bella Voce Club
Booster Club
Chess Society
Cinema Club
Franciscan Club
Environmental Club & Recycling Team
Immaculata Academy Players
Library Club
Literary Magazine
Mock Trial
National Honor Society
Recruitment Team
Scrap booking Club
Ski & Board Club
Student Council
Students Against
Destructive Decisions (SADD)
Students Toward Animal Rights (STAR)
Tennis Club
Triple "F" Club
Yearbook

Once an IA Girl

Always an IA Girl