

HOLY REDEEMER HIGH SCHOOL

COURSE OF STUDIES

2019 - 2020 SCHOOL YEAR



Mr. Michael S. Reese, Principal
Mrs. Maureen R Janoski, Vice Principal for Academics
Mr. Timothy P. Casey, Dean of Students
Mr. Jack Rubano, Director of Religious Formation
Mr. Robert J. Musso, Director of Guidance

As of: February 15, 2019

Holy Redeemer High School
Course Selection Policy

It is imperative that all returning students are aware of the following rules regarding the course selection process at Holy Redeemer High School:

1. Students will receive a Course Selection Form when the re-registration form/fee is received by Holy Redeemer High School.
2. All Course Selection Forms, with appropriate signatures, are to be submitted to the guidance office on or before **March 29, 2019**.
3. Information provided on the Course Selection Form will be the basis for the academic schedule during the 2019 - 2020 school year.
4. Any elective course may not be scheduled due to enrollment. In this case, students will receive their next elective in order of preference.
5. In order to move from a College Prep to an Honors Level course, a student must meet the following criteria:
 - The student must have at least a 90 average in the current course.
 - The student must receive the signature of the current subject teacher.
 - The student must receive the signature of a guidance counselor.
5. In order to move from a Modified to a College Prep level course, a student must meet the criteria listed above.
6. It is the prerogative of the parent to bypass the process listed above for a change in level. If the parent chooses, he or she may sign a waiver which will allow the student to move to a higher level course without meeting the criteria listed above. This waiver may be utilized only once in the student's career in any given subject area. Once the waiver is signed, the student may not be moved from the class until the end of a marking period.
7. Students are reminded when signing for an AP Course that extensive work is required within the classroom and outside of school time in order to prepare properly for the AP Exam. In light of this workload, give careful consideration when choosing more than one AP Course. All students must take the AP Exam in May if they are enrolled in the AP Course. Students are responsible for the cost of the exam.
8. Until Wednesday, September 4, students will have the opportunity to make changes in their schedules based on the level of the course. Only teacher-directed schedule changes will be considered by the Vice Principal for Academics beyond this date.

**THERE WILL BE NO ELECTIVE CHANGES OR
STUDENT-SUGGESTED OR DIRECTED CHANGES IN
SCHEDULES BEYOND SEPTEMBER 4.**

It is very important that students follow all directions regarding course selection. Any student who submits a course selection sheet that is incomplete or incorrect runs the risk of receiving an incorrect schedule. Students should read carefully the Course of Studies that is posted on line and/or the printed form in each classroom or Guidance Office. In addition, students should consult with teachers and guidance counselors prior to handing in the course selection sheet to ensure that they have made well-informed choices regarding their schedules.

Please return the following to signify that you have read and agree to the policies stated above in regard to course selection to the **Mrs. Janoski by Friday, March 22, 2019.**

Thank you.

Student Signature _____ Student Graduation Year _____

Parent Signature _____ Date: _____

Theology Department

162 Christian Service

Required of all students as part of Christian life and the grade level Theology course

For the Christian, service is at the core of the Gospel message of Jesus. We are one with Jesus when we serve Him through the needs of our brothers and sisters. We use this in the example that Jesus gave His disciples when He washed their feet. He told them "As I have done, so you must do." The students are called to that same mission. Their service allows them to explore the relationship between service and the Christian Faith. It helps to establish priorities in living out Gospel values.

Seniors are required to complete 40 hours of service, 3 of which are to be completed in their local parish or place of worship. Underclassmen are required to complete a minimum of 20 hours each year, with at least 5 hours served each quarter. Also included in the 20 hours are 3 hours at a local parish or place of worship by the end of the school year.

112 Theology 1

1 credit

level 3

This course is designed to lay a foundation not only for the four-year Theology curriculum but also for a deeper, stronger personal appreciation of our Catholic Christian faith. Part I begins with an overview of the Catechism of the Catholic Church which focuses on the structure and content of the faith as found in the Creed. This is followed by a look at the "lived faith" as it is celebrated in the Liturgy, Sacraments and basic components of a Christian lifestyle.

Part II is dedicated to the study of Scripture with a particular focus on the Old Testament. Students will be introduced to important figures, events, and concepts contained in the Old Testament. Through personal reflection, prayer and discussion, the students will develop a deeper understanding of how biblical truths can be made a part of their daily lives and recognize God working in human experiences today by studying His working in the lives of the Chosen People in the past. *Refer to Christian Service.*

122 Theology 2

1 credit

level 3

The sophomore Theology course examines the Christian Scriptures while emphasizing the theme of God's salvation for humanity. Students will explore the theological view of Christ, the Jesus of history and of faith. They will prayerfully study the life of Christ and His teachings from the viewpoint of the Gospels. The course will emphasize the role and significance of the Holy Spirit in the early Church and today. Paul's Epistles and doctrinal teachings will be examined. The students will trace the Christian Community of Faith from the time of Jesus to the present. *Refer to Christian Service.*

132 Theology 3

1 credit

level 3

Junior Theology affords the student the opportunity to engage in a study of how "Faith leads to action" as found in James 2:16. The course begins with an introduction to moral and ethical life, drawing upon the teachings of both, the Old and New Testament Scriptures as well as the Catechism of the Catholic Church.

The student will be guided toward an understanding of the nature of the baptized person in relation to God's love and His law. What follows is the student's ability to view and respond to, moral issues facing the Christian of the 21st century in the light of truth and the Ten Commandments. These moral situations include: abortion, adoption, artificial contraception, capital punishment, cohabitation, crime, euthanasia, homosexual union, infanticide, physician-assisted suicide, pornography, pre-marital sex, stem cell research, stewardship and voluntary sterilization. Catholic social teaching and its related topics are also incorporated into this study. *Refer to Christian Service.*

- 142 Theology 4** **1 credit** **level 3**
Senior Theology is designed to use the experience of our past as a means of giving direction, guidance, and inspiration to our present and our future as a community of believers. The material is a practical and effective juxtaposition of the events of the past and the people who lived through them, giving testimony to the inestimable value of our experience of life, society, and religion as Catholic Christians. Students will begin to examine in a disciplined way the fundamental call to holiness and how to discern the particular way in which God might be calling them to serve the mission of the Church. *Refer to Christian Service.*

English Department

- 206 Freshman Grammar (HGAM)** **0.25 credits** **level 2**
This is a quarter course that emphasizes the most significant aspects of English Grammar. These include parts of speech, phrases and clauses, and elements of style. The focus of the course will be to ensure that all students are able to write clear, concise paragraphs. This is the initial stage of the writing program at Holy Redeemer that includes Writing Seminar in the sophomore year and Rhetoric in the junior year.
- 215 Themes in Classic Literature** **1 credit** **level 1**
Grades 9/10 Themes in Classical Lit in 2019-2020 (odd years)
Grades 9/10 Themes in American Lit 2020-2021 (even years)
Students are offered a course which dwells on an appreciation of a sampling of classic literary works. A study of Greek and Roman mythology, fables, Shakespeare's *Romeo and Juliet*, and an examination of basic literary terms which apply to classical and modern writings will be emphasized.
- 216 Classic Literature** **1 credit** **level 2**
Students enrolled in this college preparatory course will examine writings of Greek writers as a way of complimenting the historic/cultural study which freshmen undertake. They will read *Antigone*, and selections from mythology. They will also study Shakespeare's *Romeo and Juliet*. Additionally, more contemporary literary works will be included to ensure that student have a fundamental knowledge of the basic literary terms necessary for understanding modern literature. The modern novel, short stories and poetry will be included in their studies. In addition, students will study aspects of grammar not included in the Freshman Grammar Course.
- 217 Honors Classic Literature** **1 credit** **level 3**
Students will be introduced to classical writings which correspond to their studies in Ancient Civilization and their study of Latin. The works include Sophocles' *Antigone*, Shakespeare's *Romeo and Juliet* and an introduction mythology. Other literary works will be included to ensure that students have a fundamental knowledge of the basic terms necessary for a clear understanding of classic and modern literature. The modern novel, short stories and poetry will be included in their studies. In addition, teachers will determine the needs of the students regarding grammar skills which are essential to improve writing and for success on the SAT's.
- 221 Themes in American Literature** **1 credit** **level 1**
Grades 9/10 Themes in Classical Lit in 2019-2020 (odd years)
Grades 9/10 Themes in American Lit 2020-2021 (even years)
This course is designed to give the student an appreciation for the works of America's greatest writers. Modern poetry, novels, and short fiction will be emphasized. A grammar study will focus on the skills students need to improve their writing.

- 222 American Literature** **1 credit** **level 2**
 This course presents a chronological study of American Literature. In addition to classroom discussion, writing skills will also be emphasized to examine critically the fiction and poetry of America. A continuing vocabulary program and a study of sentence structure, verbals, punctuation, and the parts of speech are also included.
- 223 Honors American Literature** **1 credit** **level 3**
 Students will undertake an in depth study of American Literature from the time of the early settlers to the present day. Emphasis is placed on the study of America's major writers. Numerous novels will be critically examined. A grammar review will include sentence structure, the parts of speech, and verbals.
- 231 Themes in British Literature** **1 credit** **level 1**
Grades 11/12 Themes British Lit in 2019-2020 (odd years)
Grades 11/12 Themes World Lit in 2020-2021 (even years)
 This course offers a general study of Britain's principle authors. An emphasis is placed on improving reading, comprehension, and writing skills. A general grammar review is also included.
- 232 British Literature** **1 credit** **level 2**
 This is a college preparatory course, for juniors which serves as a chronological survey of British literature from the Anglo-Saxon period to the present. Periods to be studied include Anglo-Saxon, Medieval, Elizabethan, Jacobean, Puritan, Restoration, Age of Pope and Johnson, Romantic, Victorian, and Modern. Students will also learn how to read and write critically about literature. A Shakespearean work will also be studied.
- 233 Honors British Literature** **1 credit** **level 3**
 This course for juniors presents a chronological study of the major periods in English literature. The student is introduced to the Anglo-Saxon Era, Medieval English, the Elizabethan Age, the Neo-Classical Period, the Romantic Revolt, the Victorian Age, and Twentieth Century British Literature. A minimum of four novels/plays will be covered in depth.
- 241 Themes in World Literature** **1 credit** **level 1**
Grades 11/12 Themes British Lit in 2019-2020 (odd years)
Grades 11/12 Themes World Lit in 2020-2021 (even years)
 Practical experience dealing with communication and appreciation of the world's outstanding writers is stressed. The forms of literature that are studied include poetry, the novel, the short story, drama, and the essay. Students will also review the basic principles of grammar as they apply to effective writing.
- 242 World Literature** **1 credit** **level 2**
 This course offers the student an overview of the classics of World Literature in a varied collection of drama, poetry, fiction, and nonfiction from across the centuries and around the world. Representative Classical, Medieval, Renaissance, Neo-Classical, Romantic, Victorian, and Modern Literature includes selections from Greece, Italy, Russia, Germany, France, Spain, England, and America.
- 243 Honors World Literature** **1 credit** **level 3**
 Students will display advanced reading, interpretive, and critical thinking skills as they examine works from the world's most famous authors. The works selected reflect the writing styles and cultures of writers/philosophers from Ancient Greece to Modern America. Students will analyze various literary genres including the novel, drama, epic poetry, the essay, short fiction, biblical literature, philosophy, and poetry.

- 244 AP Literature and Composition** **1 credit** **level 4**
 This course provides the student with the opportunity to study closely many of the challenging and complex works included in the AP Course of Studies. The primary emphasis will be placed on the student's ability to write clearly and coherently, as well as with some insight and critical awareness concerning the works read and discussed in class. Discussions should stimulate the intellect and force the student to think critically about major issues. Students will be required to take the AP English Literature exam.
- 262 Rhetoric** **1 credit** **level 2**
 This course is a primer focused on the student's ability to develop a coherent argument, whether it is in the form of debate, a structured speech, or a written, expository or persuasive essay. Required for juniors, this course will also include a research paper element, covering all of the major requirements of an MLA paper.
- 267 Honors Rhetoric** **1 credit** **level 3**
 This course will focus on great orators and speeches throughout history. This list will include, but is not limited to, Cicero, Demosthenes, Gorgias, Pericles, Jonathan Edwards, Patrick Henry, and Abraham Lincoln. An MLA research paper will also be a requirement of the course. Students will also be required to do formal recitations of varying lengths.
- 266 Literature and Film** **1 credit** **level 2**
 This course focuses on the characteristics of the novel and film. The students will read and analyze literary works and the film adaptations of selected novels and plays. Each piece of literature will be chosen for its literary merits and also for the quality of the film adaptation of that work. Film terms and movie-making processes will be identified so that students will have a foundation for evaluation and analysis.
- 272 Journalism** **1 credit** **level 2**
 This course develops disciplined skills in journalistic writing and production. Students are guided in the process of improving their ability to convey ideas and impressions and to determine facts. Research, observation, and evaluation of the media and media technology are stressed. Topics include news, features, editorials, sports writing, and production; the history, ethics, and laws of journalism, print design, editorial management, and career opportunities. In connection with workshop experience, work on journalistic productions may be included.
- 282 Short Fiction/Creative Writing** **1 credit** **level 2**
 The Study of Short Fiction and Creative Writing is an elective available to juniors and seniors. This dual perspective course is designed for students who have an interest in both short story genre and imaginative writing. The first semester is an intensive study of short fiction; the elements of fiction, literary devices and techniques, and various writing styles. The second semester challenges students to transition from reader to author. Students will utilize inspiration drawn from the published work studied, create original short fiction and follow the writing process from inception of an idea to polished final draft. Class requirements include a desire to read, strong writing skills, self-motivation, self-discipline and the ability to meet deadlines.
- 378 Writing/Logic** **1 credit** **level 2**
 The **writing course** will cover a semester and will focus on the student's ability to produce clear, coherent paragraphs. The mechanics of writing such as topic sentences, appropriate punctuation, agreement, and style will be taught throughout the course. Students will eventually work on five-paragraph essays to display their progress.

The **logic course**, a semester course for sophomores, will present techniques for solving various word problems and will cover the basic principles and methods of valid reasoning. Problem solving strategies will include the application of accurate reading methods, the creation and use of logical plans, process justification, and solution checking. Problem solving skills will develop through the understanding of the parts of a problem. These include estimating solutions, using charts and tables, recognizing patterns, transforming formulas, sketching to visualize information, and maintaining previously learned math skills.

- 379 Honors Writing/Logic 1 credit level 3**
Similar to 378 Writing and Logic, the Honors level course will provide a semester of Writing and a semester of Logic. The writing course will move to five-paragraph essays more quickly and will also focus more specifically on style. The logic course will offer more challenging word problems in order to prepare students for the Math section of the SAT and PSAT.

Math and Computer Science

- 301 Concepts of Algebra 1 1 credit level 1**
This course is designed to introduce the concepts of Algebra and provide practice with improving arithmetic skills. Practice in problem solving and mathematical reasoning is emphasized. Content is presented with a focus on techniques leading to solving a variety of algebraic equations.
- 303 Honors Geometry 1 credit level 3**
This course is an accelerated study of the area of geometry. Deductive and Inductive Reasoning are used to develop direct and indirect proofs. Right triangles, circles, similar figures, area, volume, and coordinate geometry are studied in depth. Problem solving is interwoven throughout the course. In addition, the course provides a solid foundation for the study of trigonometry and calculus. Freshmen are eligible for this course by achieving a qualifying score on the math placement exam and completing Algebra I in 8th grade. Sophomores may take the course by excelling in Math 312 Algebra I. *TI-30 calculator recommended but not required.*
- 312 Algebra I 1 credit level 2**
This course is an organized approach to the ideas and concepts of algebra. Content is presented on various levels to permit students who had difficulty in previous math courses to achieve success. The emphasis is placed on effective procedures in problem solving, and the communication of student reasoning, orally, and in writing. This facilitates student confidence and fosters an appreciation for mathematics as it relates to the world.
- 321 Concepts of Geometry 1 credit level 1**
Prerequisites: Math 301 Concepts Algebra or Math 312 Algebra I
This course is designed to review and strengthen arithmetic and algebraic skills. Upon reaching this objective, these skills will be utilized in a variety of geometric applications with a continual review of algebra. *TI-30 calculator recommended but not required.*
- 322 Geometry 1 credit level 2**
Prerequisite: Math 312 Algebra I
This course emphasizes the nature of deductive reasoning, discovering proofs and practice in inductive reasoning. A strong relationship between Algebra and Geometry is established through the application of theorems and postulates dealing with right triangles, circles, similar figures, and coordinate Geometry. Also, the applications in plane geometry are extended to solid Geometry. *TI-30 calculator recommended but not required.*

- 331 Intermediate Algebra** **1 credit** **level 1**
Prerequisite: 301 Concepts of Algebra or 312 Algebra I and 321 Concepts of Geometry or 322 Geometry
 This course continues the study of algebraic topics, which include operations with real numbers, simplifying polynomials, equations with one variable, factoring polynomials, simplifying powers, and simplifying rational expressions.
- 333 Honors Pre-Calculus** **1 credit** **level 3**
Prerequisite: Math 373 Honors Algebra II/Trig
 This course begins with a review of coordinate geometry and linear and quadratic functions. Polynomial equations and inequalities are discussed at length. Basic objectives include systematic problem solving, drawing graphs of higher degree equations, and finding equations of certain curves. The study of exponents, logarithms, and conics is also included. The concepts of elementary trigonometry are expanded to include identities, equation solving, graphs of functions, and the solutions of triangles. *TI-84 calculator used extensively. (TI-84 may be borrowed from HRHS free of charge - if necessary.)*
- 343 Honors Calculus/Analytic Geometry** **1 credit** **level 3**
Prerequisite: Math 333 Honors Pre-Calculus
 This course is designed to benefit those who may be required to take Calculus as part of their college curriculum. Topics include a study of limits, derivatives, and integrals. Applications of these topics are extended to the areas of Analytic Geometry, Trigonometry, Physics, Business, and Economics. *TI-84 calculator used extensively. (TI-84 may be borrowed from HRHS free of charge - if necessary.)*
- 344 AP Calculus** **1 credit** **level 4**
Prerequisites: Math 333 Honors Pre-Calculus
 This course presents an intense study of the notion of limits and the limiting process. From the study of limits arise two of the most important topics of Calculus: derivatives and integrals. This course provides a sound background for students who are interested in a math or science major. Students will be required to take the Advanced Placement Calculus exam. *TI-84 calculator is required. (TI-84 may be borrowed from HRHS free of charge - if necessary.)*
- 345 Math Concepts** **1 credit** **level 1**
 This course, available to seniors, will review fundamental arithmetic and algebra processes learned during the high school math courses. There will also be a discussion of applied, consumer, business and practical math. *TI-30 calculator recommended but not required.*
- 346 Trigonometry/Pre-Calculus** **1 credit** **level 2**
Prerequisite: Math 382 Algebra 2
 In the trigonometry part of the course students will study trig functions and their graphs (with changes in period and amplitude), identities, inverses, simple trig equations, right triangle and oblique triangle problem solving. Pre-Calculus topics include the study of functions, graphs of functions, transformation and combinations of functions, composite and inverse functions, as well as an introduction to sequences and series. Calculator required *TI-30 calculator recommended but not required*

- 373 Honors Algebra II/Trig. 1 credit level 3**
Prerequisite: Math 303 Honors Geometry
 This course offers a development of the structure of the real and complex number systems. Students will learn to simplify expressions and solve equations including but not limited to polynomials, radicals, and complex fractions. Emphasis is placed on abstract thinking and multiple representations of relations (graph, function, table, etc.). Algebra II is expanded in the fourth quarter with an exploration of trigonometric ratios and functions and their relation to the unit circle. *TI-30 calculator recommended but not required.*
- 374 AP Statistics 1 credit level 4**
Prerequisite: Math 373 Honors Algebra II/Trig
 The purpose of this course is to prepare students to use the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data by describing patterns and departures from patterns, planning and conducting a study through sampling and experimentation, anticipating patterns by exploring random phenomena using probability and simulation, and estimating population parameters and testing hypotheses using statistical inference. All students will be required to sit for the AP Statistics Examination in May. *TI-84 calculator is required. (TI-84 may be borrowed from HRHS free of charge - if necessary.)*
- 376 Statistics/Finite Math 1 credit level 2**
Prerequisite: 382 Algebra 2 or Honors Algebra II/Trig
 This course is designed for seniors who may not have an interest in studying Calculus as they prepare for college. The course begins with a study of math topics such as linear equations and inequalities, systems of linear equations and inequalities, matrices, programming (non-computer) with two variables, and a survey of finance topics, which could include interest, compound interest, amortization and annuities, and continues with the study of statistics topics such as permutations, combinations, probability using counting technique, Bayes' Theorem, dispersion, distribution, and logic. *TI-30 calculator recommended but not required.*
- 378 Writing/Logic 1 credit level 2**
 The **logic course**, a semester course for sophomores, will present techniques for solving various word problems and will cover the basic principles and methods of valid reasoning. Problem solving strategies will include the application of accurate reading methods, the creation and use of logical plans, process justification, and solution checking. Problem solving skills will develop through the understanding of the parts of a problem. These include estimating solutions, using charts and tables, recognizing patterns, transforming formulas, sketching to visualize information, and maintaining previously learned math skills.
- The **writing course** will cover a semester and will focus on the student's ability to produce clear, coherent paragraphs. The mechanics of writing such as topic sentences, appropriate punctuation, agreement, and style will be taught throughout the course. Students will eventually work on five-paragraph essays to display their progress.
- 379 Honors Writing/Logic 1 credit level 3**
 Similar to 378 Writing and Logic, the Honors level course will provide a semester of Writing and a semester of Logic. The writing course will move to five-paragraph essays more quickly and will also focus more specifically on style. The logic course will offer more challenging word problems in order to prepare students for the Math section of the SAT and PSAT.

- 382 Algebra 2** **1 credit** **level 2**
Prerequisite: Math 312 Algebra I and Math 322 Geometry or 321 Topics in Geometry
 This course continues to build a solid foundation of algebraic skills and concepts. Topics include the number system, linear relationships, polynomials and factoring, equations and inequalities, and functions and graphs. *TI-30 calculator recommended but not required*
- 352 Computer Applications I** **1 credit** **level 2**
 Students are provided with an in depth coverage of word processing, spreadsheet, and PowerPoint applications using MicroSoft Office. Each application is fully integrated. Desktop publishing is also covered. Students are provided an introduction to and are taught the fundamentals of the computer, telecommunications and the Internet, including research and safety. Students should be willing to complete projects in these areas including outside work on projects. *MicroSoft Office is recommended.*
- 357 Honors Basic/Visual Basic Programming** **1 credit** **level 3**
 This course, available to sophomores, juniors, and seniors, will allow students to write structured programs using the BASIC language in the first semester. The students will be introduced to the complete syntax of BASIC, which includes subroutines, control structures, files, arrays, and graphics. In the second semester, the students will use their knowledge of BASIC in writing programs in Visual Basic. The students will learn how to create a Windows GUI using textboxes, command buttons, labels, option buttons, checkboxes, frames, drop-down boxes, and menus.
- 362 Honors Computer Applications I** **1 credit** **level 3**
 Students are provided with an in-depth coverage of word processing spreadsheets, ACCESS and PowerPoint applications using MicroSoft Office at an accelerated pace. Each application is fully integrated. Students will be provided desktop publishing with Photoshop. Students are provided in-depth coverage of and are taught the fundamentals of the computer, telecommunications and the internet, including research and safety. Students should be willing to complete extensive projects in these areas including outside work on projects. *MicroSoft Office is recommended.*
Pre-Requisite: Students must be enrolled in an honors math course.
- 363 Honors Computer Applications II** **1 credit** **level 3**
Prerequisite: Math 352 Computer Applications I (85% average) or 362 Honors Computer Applications I (80% average)
 This course is a continuation of Computer Applications I or Honors Computer Applications I and focuses on the mastery of Microsoft Office, including Word, Excel, Access, and PowerPoint. Students will learn to create a web page on the Internet and an introduction to networking. Students learn desktop publishing by creating professional documents. Students will receive an in-depth look into Photoshop and Dreamweaver software. Students should be willing to complete extensive projects in these areas including outside work on projects. Students must be willing to work with others in class and complete group projects. *MicroSoft Office is recommended.*
- 393 Honors Java Programming** **1 credit** **level 3**
Grades 11/12 Honors Java Programming in 2019-2020 (odd years)
Grades 11/12 Honors Python Programming in 2020-2021 (even years)
 Students are introduced to the basic syntax of Java using control structures, classes, arrays, inheritance, recursion, data structures, and applets. If time allows, the basics of HTML and web page design are included. **It is advisable to take 357 Honors Basic/Visual Basic Programming.**

395 Honors Python Programming 1 credit level 3
Grades 11/12 Honors Python Programming in 2019-2020 (odd years)
Grades 11/12 Honors Java Programming in 2020-2021 (even years)
Students are introduced to the basic syntax of Python, a multi-paradigm, general-purpose, interpreted, high-level programming language. Python allows programmers to use different programming styles to create simple or complex programs, get quicker results and write code almost as if speaking in a human language. **It is advisable to take 357 Honors Basic/Visual Basic Programming.**

852 Accounting 1 credit level 2
This course provides a thorough introduction to the basic principles of accounting. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making purposes. Both manual and computerized accounting skills are taught. Automated accounting procedures will be introduced to give students hands-on experience in using computers to solve accounting problems. This course is valuable for all students, especially those who plan to study business, marketing, or management in college.

Science Department

Basic Scientific Calculators are required for all Chemistry and Physics classes.

412 Biology 1 credit level 2
This laboratory course presents fundamental principals and concepts applicable to all forms of life. A detailed study is made of the cell, plant, and animal structure and function, and the continuity of life and the transmission of characteristics to offspring. Characteristics of living organisms and adaptations associated with organisms representing biological kingdoms are emphasized allowing students to appreciate the unity underlying diversity.

413 Honors Biology 1 credit level 3
Prerequisite: Algebra I
This laboratory course presents a more rigorous exploration of the fundamental facts and concepts that are essential to understanding biological phenomena and principles. Emphasis is placed on molecular and cellular biology to provide an understanding of the continuity of life and the transmission of characteristics to offspring. It is designed to present the features and problems shared by all living things.

421 Concepts of Biology 1 credit level 1
This course presents a survey and introduction to topics which comprise the first year course of Biology. The approach is practical and understandable, and uses familiar analogies and examples. Lab work is provided within the classroom.

422 Chemistry 1 credit level 2
This laboratory course is designed to present principles and concepts of chemistry in a logical sequence with emphasis on classroom reinforcement. Students learn to identify scientific problems and to recognize the importance of chemistry in the scientific world. Each, cycle laboratory experiments are designed to develop and reinforce the underlying principles of chemistry. The atomic theory, nature of matter, periodicity, mole concepts and stoichiometry are taught with lesser emphasis on the mathematical principles of chemistry.

- 423 Honors Chemistry** **1 credit** **level 3**
Prerequisite: 413 Honors Biology. Have taken or are enrolled in 373 Honors Algebra II/Trig.
This lab course is an in depth study of the principles and concepts of chemistry. Topics include atomic theory, matter, chemical periodicity, mole concepts, and stoichiometry. The lab provides direct observation and measurement of chemical phenomena.
- 431 Concepts in Chemistry** **1 credit** **level 1**
This non-laboratory course is designed to present very basic concepts of chemistry in a clear practical manner. There is minimal emphasis on mathematics but students will be presented the same topics included in Chemistry 422 at a much more workable pace.
- 432 Physics** **1 credit** **level 2**
This lab course, geared for college bound students, provides a clear presentation of the major concepts of physics. Topics include motion, vectors, Newton's Law, projectile and circular motion, momentum, work, power, energy, heat and electricity.
- 433 Honors Physics** **1 credit** **level 3**
Prerequisite: 373 Honors Algebra II/Trig, 423 Honors Chemistry
This lab course is designed for students with a strong interest in math and physical science. The essential concepts applied throughout the course include mechanics, thermodynamics, wave theory, optics, electricity and magnetism, atomic structure, nuclear reactions, and high energy physics.
- 452 Biology 2** **1 credit** **level 2**
Prerequisite: Successful completion of freshmen and sophomore biology and chemistry courses.
This course offers an expanded study of specific biological areas of interest and extensive laboratory acquisition of biological knowledge. Examples of possible topics include methods of scientific research, anatomy and physiology, biological chemistry, evolution, plants, and modern genetics. Current scientific articles from a variety of sources are used in this class.
- 453 Honors Anatomy/Physiology** **1 credit** **level 3**
Prerequisite: 413 Honors Biology, 423 Honors Chemistry
This course is designed for students with a strong interest in health care careers such as medicine, physical therapy, occupational therapy, and nursing. Topics will include biochemistry, cellular biology, tissues, the ten organ systems, as well as pathology and the disease process
- 454 AP Biology** **1 credit** **level 4**
Prerequisite: 413 Honor Biology, 423 Honors Chemistry
This course is a highly demanding, college level course dealing with interrelationships of structure and function of living organisms, and stresses the interdependence of all levels of organization of life forms. Students taking this course will take the Advanced Placement Biology exam.
- 457 Honors Chemistry 2** **1 credit** **level 3**
Prerequisite: 423 Honors Chemistry
This course is designed to cover the topics that were not covered in Honors Chemistry such as acids and bases, reaction rates, thermochemistry, equilibrium, nuclear chemistry, and organic chemistry. This is a lab-oriented course that is geared to the student interested in preparing for AP Chemistry and planning to major in a science-related field.

- 462 Environmental Science** **1 credit** **level 2**
Grades 11/12 Environmental Science in 2019-2020 (odd years)
Grades 11/12 Meteorology in 2020-2021 (even years)
Prerequisite: Successful completion of freshmen and sophomore biology and chemistry courses.
This non-laboratory course, deals with the interactions of living organisms with each other and their non-living environment. It will also deal with major environmental issues such as pollution, use of natural resources and climate change.
- 463 Honors Environmental Science** **1 credit** **level 3**
Grades 11/12 Honors Environmental Science in 2019-2020 (odd years)
Grades 11/12 Honors Meteorology in 2020-2021 (even years)
Prerequisite: 413 Honor Biology, 423 Honors Chemistry
This in-class laboratory course is designed for students interested in a career in environmental science that may include: environmental law, governmental park work, research and wildlife management. Studies will include the interactions of living organisms, with both biotic and abiotic parts of their environment. Major environmental concerns of the day such as climate change, pollution and resource management will also be covered.
- 464 AP Chemistry** **1 credit** **level 4**
Prerequisite: 423 Honors Chemistry, 457 Honors Chemistry 2, Algebra II
This is a highly demanding college level lab course designed for students preparing for a science related field. Students will cultivate their understanding of chemistry through inquiry-based investigations as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium. Students will be responsible for independently completing a significant portion of the work load and will be requires to take the Advanced Placement chemistry exam.
- 473 AP Physics I** **1 credit** **level 4**
Prerequisite: 413 Honors Biology, 423 Honors Chemistry Geometry, Algebra II.
This course is a highly demanding college level lab course. The course is Algebra based and will cover kinematics, dynamics, momentum, energy, centripetal motion, Newtonian gravity, rotational motion, mechanical waves, electrostatics, and DC currents.
- 474 AP Physics II** **1 credit** **level 4**
Prerequisite: 473 AP Physic I, Pre-Calculus
This is a highly demanding college level lab course intended for students interested in careers in science, engineering, or medical fields requiring college physics. The course will cover Einsteinian Physics (Modern Physics) including thermodynamics, Magnetism, AC Electricity, E-M Waves, Geometric Optics, Relativity and Quantum Particles. Students will take the Advanced Placement Physics exam.
- 482 Marine Ecology** **1 credit** **level 2**
Prerequisite: Successful completion of freshmen and sophomore biology and chemistry courses.
This is a hands on course designed for students interested in living organisms that live in estuaries and oceans. It will include Algebra, Biology, Chemistry, Earth Science, research, and lab skills. Students will focus on different marine environments and the organisms found in them. Topics will include ecological interaction and adaptations of plants, shellfish, crustaceans, fish, sharks, marine mammals, marine reptiles, sea birds and more.

475 Meteorology **1 credit** **level 2**
Grades 11/12 Environmental Science in 2019-2020 (odd years)
Grades 11/12 Meteorology in 2020-2021 (even years)
Prerequisite: Successful completion of freshmen and sophomore biology and chemistry courses.
This non-laboratory based course is an introductory high-school level course that will introduce students to the most basic and fundamental concepts of meteorology. Students will learn about the various layers of the atmosphere, clouds, and precipitation, winter weather, and severe weather. Students will also take regular observations of weather as if they were a meteorologist.

476 Honors Meteorology **1 credit** **level 2**
Grades 11/12 Honors Environmental Science in 2019-2020 (odd years)
Grades 11/12 Honors Meteorology in 2020-2021 (even years)
Prerequisite: 413 Honor Biology, 423 Honors Chemistry
This in-class laboratory based course is an introductory high-school level course that will introduce students to the most basic and fundamental concepts of meteorology. Students will learn about the various layers of the atmosphere, clouds, and precipitation, tropical weather, winter weather, and severe weather including an in-depth look at just how a tornado forms. Students will also take regular observations of weather as if they were a meteorologist. In addition to the above requirements, students will also present quarterly case studies on significant weather events.

Social Studies Department

535 Themes in United States History II **1 credit** **level 1**
This course will focus on major events in American history from the post Civil War era to the present. It will include such topics as Industrialism, the Spanish-American War, the two World Wars, the Great Depression, Vietnam, and the War on Terrorism. Written handouts, maps, audio-visual aids, and class discussions will be utilized to prompt student participation.

536 United States History II **1 credit** **level 1**
This course will challenge the student to increase his or her knowledge of the social, political, and spiritual issues in the period covering 1877 to the present. Topics will include the Gilded Age, Westward Expansion, the Populist Movement, the Spanish-American War, foreign expansion, the Progressive Movement, World War I, the 1920's, the Depression, the New Deal, World War II, the Post-War Era, the 1950's, Kennedy's New Frontier, the 1960's, Nixon's presidency, the Ford and Carter administrations, and Modern America under the Bush and Clinton administrations.

537 Honors United States History II **1 credit** **level 3**
This course provides students with the opportunity to study the events, trends, and philosophy of the people of the United States from the post Civil War era to the present. It will include such topics as Industrialism, the Gilded Age, the Spanish-American War, the two World Wars, the Great Depression, Vietnam, Watergate, the Reagan Revolution, and the War on Terrorism. Emphasis will be placed on the student's ability to analyze and think critically about these themes. Students will research various topics utilizing primary sources, the internet, video presentations, and textbook material. Students will be encouraged to form their own opinions on important issues and to defend their viewpoints.

- 544 AP US History** **1 credit** **level 4**
Prerequisite: 93 average in Honors level Social Studies course with teacher approval This course for seniors will cover political, economic, social, intellectual, and cultural development in American History from Native American migration through the Post Civil War to the present. A basic interpretive approach will be employed to assist students as they use the methods and procedures of the historian. The analysis and interpretation of events will be stressed. Students will be required to take the AP US History exam.
- 553 Honors Introduction to Economics** **1 credit** **level 3**
This course for juniors and seniors is designed to introduce the student to various aspects of the American economic system. Attention will be paid to the basic structure of the American economy, its interrelationship with world economic factors, and the operation of the financial markets on a national and global basis. Students will be expected to be involved in the Pennsylvania State Stock Market Game. They will also be required to be active in the Holy Redeemer Investment Club.
- 554 AP US Government and Politics** **1 credit** **level 4**
Prerequisite: 93 average in Honors level Social Studies course with teacher approval
This course, available to juniors and seniors, gives students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret American politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute American politics. Topics include Constitutional underpinning of US government, political beliefs and behaviors, political parties, interest groups, mass media, institutions of national government, public policy, civil rights, and civil liberties. Students are required to take the AP US Government and Politics exam.
- 556 US Government and Constitutional Law** **1 credit** **level 2**
This course for sophomores, juniors, and seniors is divided into two main areas of focus. First, students will gain a working knowledge of the American governmental system through a careful analysis of the United States Constitution. It is essential for students to understand the philosophy behind the creation of the Constitution. To that end, a careful examination of the *Federalist Papers* will be employed. The second part of the course will be devoted to the United States Supreme Court. Students will study seminal cases in the history of the Supreme Court and explore how these cases have impacted American society. Additionally, the legal system on the state level will be examined with an emphasis on the rights of the accused, powers of the state, and the jury system.
- 565 Themes in World History** **1 credit** **level 1**
This course is a study of the major events in the history of World Civilizations, beginning at the time of the French Revolution, and concluding in our current day. Topics will include government structures, religious movements, changes in society, and the spread of ideas and information which occurred as a result of the printing press. Students will also study the reasons for, and results of the two World Wars, as well as the rise and fall of totalitarian governments, including the events of the Cold War and the 21st century.
- 566 World History** **1 credit** **level 2**
This course will detail major events in world history beginning with the French Revolution and moving through the present day. The religious movements, societal changes, and government structures of major western civilizations will be a focus. In addition, students will discuss the causes and effects of the two World Wars, as well as major issues in the 21st century.

- 567 Honors World History 1 credit level 3**
With the use of extensive outside reading, students will discuss the topics that have shaped our world since the French Revolution. Through the scope of religion and government, students will compare and contrast the cultures that have dominated the world. The French and Russian revolutions, as well as the two World Wars, will be major themes covered in the course. Finally, students will focus on the significant topics facing our world in the 21st century.
- 575 Themes in Civics and Am Government 1 credit level 1**
This course is the study of government, especially in the United States. Students will study the ways in which government is organized, controlled by people, the many things it does, and the various ways that it does them. The system is complex and is made up of many different parts, performing different functions. The parts are studied to understand the whole and the effects of ongoing change in the system. Topics include an overview of: the Foundations of Government, the Executive Branch, Political Parties and Behavior, the Legislative Branch, the Judicial Branch, State and Local Governments and International Studies.
- 576 Civics and Government 1 credit level 2**
This course provides students the opportunity to study the ways in which government is organized, controlled by people, and functions. The system is complex with different parts performing different functions. The parts are studied in order to understand and explain the whole and the effects of ongoing change in the system. Topics include: the Foundations of Government, the Executive Branch, Political Parties and Behavior, the Legislative Branch, the Judicial Branch, State and Local Governments and International Studies.
- 577 Honors Civics and Government 1 credit level 3**
This course will challenge students to study the ways in which government is organized, controlled by people, and functions. The system is complex with different parts performing different functions. The parts are studied in order to understand, analyze and explain the whole and the effects of ongoing change in the system. Topics include: the Foundations of Government, the Executive Branch, Political Parties and Behavior, the Legislative Branch, the Judicial Branch, State and Local Governments and International Studies.
- 572 Psychology 1 credit level 2**
This course for juniors and seniors is designed to present the student with a general overview of psychology as both a pure and applied science. It will stress how psychologists generate hypotheses and theories about human behavior. The students will be exposed to the divisions of psychology. Basic theories in these areas will be covered as well as the scientific procedures used by psychologists to originate such theories.

574 AP Psychology **1 credit** **level 4**
Prerequisite: 93 average in Honors level Social Studies course with teacher approval
 This course is equivalent to an introductory college course in Psychology. It introduces students to the systematic and scientific study of behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. Students also learn about the methods utilized by psychologists in their science and practice. Topics include history and approaches, research methods, biological cases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. Students are required to take the AP Psychology exam.

592 Anthropology/ Archeology **1 credit** **level 2**
 This course is designed to present the student with a general overview of these two interconnected topics. Anthropology seeks to understand the cultural, social, and biological dimensions of human populations throughout history. The archaeology part of the course will examine the theories, methods, and techniques of modern archaeology. Hands-on study will be an integral part of the course.

Foreign Language Department

611 Spanish Cultures **1 credit** **level 1**
 This course deals with the basic concepts of Spanish grammar. Course content is geared to individual needs with special focus on practical vocabulary, the study of Spanish culture, and an analysis of current events in the Spanish-speaking world.

612 Spanish I **1 credit** **level 2**
 This course presents and teaches Spanish as a means of communication within the context of the Spanish-speaking world and its culture. It will develop the four basic language skills: listening, speaking, reading, and writing. Primary emphasis is placed on comprehension and speaking through practical material which will help each student attain an acceptable degree of proficiency.

622 Spanish II **1 credit** **level 2**
Prerequisite: 612 Spanish I
 This course strengthens the basic foundation presented in Spanish 1. It continues to develop the four basic language skills. This course will help each student attain a degree of proficiency in the language as well as a meaningful comprehension of the contemporary Spanish world and its culture.

623 Honors Spanish II **1 credit** **level 3**
Prerequisite: 612 Spanish I
 Students who excelled in Spanish I may continue their study of the language at the Honors level. The course is designed to assist those students who wish to take Spanish 3 and 4, perhaps even studying Spanish at the collegiate level.

633 Honors Spanish III **1 credit** **level 3**
Prerequisite: 622 Spanish II
 This course is an introduction to complex grammar structures, as well as a review of the grammar already studied. It introduces the student to Hispanic literature and continues the study of Hispanic civilization and culture. More emphasis is placed on reading comprehension and improvement of the student's ability to express himself in written Spanish and will further the development of the student's oral skills. This course will be taught at a rapid pace and will be conducted mostly in Spanish.

- 643 Honors Spanish IV** **1 credit** **level 3**
Prerequisite: 633 Spanish III
 This course will continue the presentation of the Hispanic world through literature, grammar review, and vocabulary development. Emphasis is placed on comprehension of the selections and on written composition. The course goals are threefold: to increase the reading power of the student, to develop the student's ability to express verbally at a proficient level, and to develop a sense of achievement. Students will have the opportunity to take the AP Spanish exam. This will require students to prepare beyond classroom instruction.
- 652 French I** **1 credit** **level 2**
 This course teaches French as a means of communication within the context of the contemporary francophone world and its culture. It introduces the four basic language skills: listening, speaking, reading, and writing. Primary emphasis is placed on comprehension and speaking in practical and natural situations to help each student attain an acceptable level of proficiency.
- 662 French II** **1 credit** **level 2**
Prerequisite: 652 French I
 This course strengthens and extends the basic foundation begun in French 1. It continues to develop the four language skills within the context of the contemporary francophone world and its culture. The level of proficiency will be enhanced.
- 663 Honors French II** **1 credit** **level 3**
Prerequisite: 652 French I
 Students who excel in French I may elect to take Honors French II. This course will provide a solid foundation for a continuation of the study of the language in the third and fourth years. The course will continue to develop the four language skills within the context of the contemporary francophone world and its culture.
- 673 Honors French III** **1 credit** **level 3**
Prerequisite: 662 French II
 This course is an introduction of complex grammatical structure as well as a review of the French language through a study of French literature, reading and writing selections, and a continuum of oral proficiency. The course goals are to study complex grammar structures, to increase reading comprehension skills, to improve the student's ability to express himself in written French, and to encourage the further development of the student's oral skills. Students will be expected to do research outside of the classroom.
- 683 Honors French IV** **1 credit** **level 3**
Prerequisite: 673 French III
 This course continues the presentation of the francophone world through literature. Emphasis is placed on comprehension of selections, writing endeavors, and further development of the student's ability to express himself/herself conversationally. The students have the opportunity to take the AP French exam. This will require preparation outside of the classroom.
- 691 Latin I** **1 credit** **level 2**
 This course develops the student's ability to read and comprehend Latin. The course emphasizes a precise and pure pronunciation, an accurate and concise knowledge of forms and syntax, and an acquisition of a basic vocabulary. The study of Latin through English expressions and Roman life and culture is also emphasized.

- 695 Honors Latin II** **1 credit** **level 3**
Prerequisite: 691 Latin I
 This course offers progressive development in the ability to read and comprehend Latin through a review of the vocabulary, inflections, and grammatical principles learned in the first year. Also, the forms and syntax essential for reading selections from a wide range of Latin authors are stressed. The students become acquainted with the life, language, literature, and contributions of the Romans to the western world.
- 693 Honors Latin III** **1 credit** **level 3**
Prerequisite: 692 Latin II
 This course teaches Latin prose and poetry in alternate years. The prose course is comprised of the life and works of Caesar, Cicero, and Pliny, as well as the events of the late Republic and early Empire. Special emphasis is placed on advanced grammatical constructions, mythology, and rhetorical devices. The poetry course includes the works of Catullus, Horace, Ovid, Terrence, and, most significantly, Vergil. Emphasis is placed on forms and syntax from previous levels, mythology, metrics, and poetic devices.
- 694 Honors Latin IV** **1 credit** **level 3**
Prerequisite: 693 Latin III
 This course teaches Latin prose and poetry in alternate years. The prose course is comprised of the life and works of Caesar, Cicero, and Pliny, as well as the events of the late Republic and early Empire. Special emphasis is placed on advanced grammatical constructions, mythology, and rhetorical devices. The poetry course includes the works of Catullus, Horace, Ovid, Terrence, and, most significantly, Vergil. Emphasis is placed on forms and syntax from previous levels, mythology, metrics, and poetic devices.

Fine and Performing Arts Department

- 206 Art Appreciation (HGAM)** **0.25 credits** **level 2**
Required course for all freshmen
 This course, part of the freshman seminar, exposes the student to a variety of artistic experiences. Students are expected to develop art literacy, sensitivity, and an appreciation for various media of visual expression. The course will also provide students with the opportunity to engage in hands-on work.
- 206 Music Appreciation (HGAM)** **0.25 credits** **level 2**
Required course for all freshmen
 This course, part of the freshman seminar, is a hands-on class. It is designed to assist the student in developing a further appreciation of music. Students explore the elements of music: melody, form, instrumental sound, and dynamics through various media, i.e. listening, playing, creating, etc. Students will develop music listening skills that they will continue to use throughout their lives.
- 722 Basic Studio Art** **1 credit** **level 2**
Prerequisite: 206 Art Appreciation
 This course introduces students to the elements of art. The course focuses on basic artistic skills and design principles. It aids students in developing the use of visual language focusing on traditional and modern techniques. Historical trends and master artists will be studied using texts, computer programs, the internet and outside research materials. Introductory approaches to various styles of art including realism, abstract and non-objective art will also be explored.

- 723 Honors Studio Art** **1 credit** **level 3**
Prerequisite: 722 Basic Studio Art and approval of current art teacher
 This advanced studio course develops the main themes of art: traditional & modern art. The media areas covered are drawing, painting, sculpture, and graphics. Students will explore subjects such as still life, figure and portrait, landscape and nature. Historical trends and master artists will be studied using texts, websites, internet sources and library research. Students will develop and prepare a presentation portfolio.
- 724 AP Studio Art** **1 credit** **level 4**
Prerequisite: 723 Honors Studio Art or 736 Decorative Arts 2 with teacher approval
 The Advanced Placement Studio Art course enables highly motivated students to perform at a college level while still in high school. Students enrolled in this course will work in one of three categories of the College Board mandated portfolios. The area of Drawing, Two dimensional design or Three Dimensional Design may be explored. Students are expected to produce a minimum of 29 works of art in a variety of media, techniques and using design principles and showing a full understanding of the fundamentals of visual language. The development of a body of art work that is the student's choice and the application of the critical process (oral and written) are emphasized. Students are required to submit a portfolio to the College Board for evaluation to receive college credit.
- 732 Decorative Art 1** **1 credit** **level 2**
 This class will involve the use of various media and techniques to produce art products designed to represent diverse cultures. Students will study other cultures to further understand their own. Projects will be based on a variety of craft ideas gathered from civilizations around the world and through the ages.
- 736 Decorative Arts 2** **1 credit** **level 3**
Prerequisites: 732 Decorative Arts 1.
 The Decorative Arts 2 explores the arts that enhance our environment. Basic principles of color and design are applied as they relate to the decorative arts. Students who take Decorative Arts 2 will have an opportunity to work on an advanced level in the Decorative arts. This course will allow for a more in depth study of topics in Decorative arts which were introduced in Decorative Arts 1. Topics may include: interior design, faux painting, stenciling, advanced ceramics, printmaking, photography, stitchery and textile design processes.
- 742 Graphic Design** **1 credit** **level 2**
 This course offers students interested in art and technology the opportunity to use the computer as a creative communication tool. Students who take Graphic Design explore layout and design principles as they relate to computer generated publications - illustrations, flyers, business logos, brochures, product packaging designs, and webpage graphics. Students use *Adobe Creative Suite CS6* for digital imaging and photo editing. Emphasis is placed on acquiring design skills as well as basic knowledge of computer technology. Graphic Design focuses the most common uses of digital techniques in the visual arts. Students acquire the skills to input, create, manipulate and output digital imagery. Students explore video and animation techniques and create graphics for webpage designs. Presentation software is used as a communication vehicle. Basic concepts of branding and marketing are introduced. The course is designed for all students who use computers as a creative communication tool. Students should bring a thumb drive to back up their work.

- 743 Honors Graphics Design 2** **1 credit** **level 3**
Prerequisite: 742 Graphic Design
 This course continues the study of visual communication using Adobe Creative Suite CS6 software. Graphics Design 2 will give students the opportunity to continue a more in depth study of concepts introduced in Graphic Design. Students will explore marketing and branding techniques in advertising using advanced skills in computer design. Video editing techniques will be used along with creative animation and web design using Adobe Fireworks, Flash, Dreamweaver, Photo Shop and Illustrator software. Students will create advertising campaigns for various commercial interests. Further work in package design and print publications will be explored. Students should bring a thumb drive to back up their work.
- 745 Photography** **1 credit** **level 2**
 This course is designed for the students who wants to develop their photography skills while learning composition, developing their creativity, and utilizing editing skills to elevate each photograph. Students will develop Photoshop skills and learn how to compose matte paintings.
- 781 Chorus** **1 credit** **level 2**
 This course is designed for students who are members of the Chorus. This class eliminates regular after school rehearsals. It provides the student with instruction on vocal production; develops musical understanding and skill in unison and part-singing; acquaints the student with various styles of choral literature and affords the student an aesthetic experience through ensemble singing in class, at rehearsal and in performance. The Chorus presents a December performance and a Spring Concert annually. Chorus students also provide service/musical entertainment at local nursing homes before each public performance and are the choir for school liturgies.
- 781 Honors Chorus** **1 credit** **level 3**
 This course is designed for students who are members of the Chorus. This class eliminates regular after school rehearsals. It provides the student with advanced and in-depth instruction on vocal production with the opportunity for individual solo singing, cantoring, a cappella singing, preparation for competitive vocal auditions as well as ensemble singing for all school music events and Liturgies as listed above.
- 792 Theater Arts 1** **1 credit** **level 2**
 This full credit course is designed to provide an overview of the theatre experience, dealing with topics such as the development of theatre, the structure and varieties of drama. Students are exposed to the art of acting, along with improvisation, pantomime, and voice direction. Class projects will include monologues and scene work. Another area of study is the element of design including set, costume, lighting, and make-up for a variety of productions. The topics will be explored in three sections: Exploration, in which students will learn about basic tools and techniques; Preparation, in which students begin to get ready for a production; and Performance, in which students move through the rehearsal process to opening night. This course will help students develop a respect for all types of theatre productions.

793 Honors Drama/Theater Arts 2 1 credit level 3
Prerequisite: 792 Theater Arts 1 or approval of teacher.
Grades 11/12 Honors Drama/Theater 3 in 2019-2020 (odd years)
Grades 11/12 Honors Drama/Theater 2 in 2020-2021 (even years)
This honors level class introduces the ideas, skills, and aesthetic issues that comprise the creation of the theatrical event. Students will have the opportunity to participate in the entire play production process, from the selection of a show, through the audition, up to the actual performance. The students will explore the different roles associated with the theatre process, including: director, producer, actor, and stage manager. Students will produce at least three plays throughout the year. The students will incorporate the techniques learned in Basic Drama/Theatre Arts I throughout this course. In addition, students will be encouraged to take an active role in the annual school musical in the fall.

794 Honors Drama/Theater Arts 3 1 credit level 3
Prerequisite: 792 Theater Arts 1 or approval of teacher.
Grades 11/12 Honors Drama/Theater 3 in 2019-2020 (odd years)
Grades 11/12 Honors Drama/Theater 2 in 2020-2021 (even years)
This honors level class offers students the opportunity to participate in the entire play production process, from the selection of a show, through the audition, up to the actual performance. The students will explore the different roles associated with the theatre process, including: director, producer, actor, and stage manager. Students will produce at least four plays throughout the year, including a comedy, a drama, and musical. In addition, students will explore playwriting techniques by writing, producing and directing a short one act play using the other members of the class as their production company.

Health and Physical Education

942 Health Education (HGAM) 0.25 credits level 2
This course is designed to teach students that their health is in their own hands. Risks of developing chronic diseases increase dramatically when following negative health habits. Students are encouraged to develop positive decision-making skills in dealing with health choices. Topics will include physical fitness, nutrition, substance abuse, infectious diseases, and goal setting.

922 Physical Education 0.25 credit level 2
This course is required of all students and is mandated by the Pennsylvania Department of Education. It presents the students with an understanding of basic rules, skills, and techniques included in a variety of team and individual sports. It will familiarize students with various lifetime activities. A physical fitness test will be given to each freshman student at the beginning of the school year to be used in conjunction with the Health Education course. All students will be able to apply learned skills for recreational purposes outside of the school setting.

- 966 Nutrition/First Aid** **1 credit** **level 2**
As a college major, nutrition is one of the fastest growing college majors on campuses across the country. This course is offered as an introduction to the various aspects of nutrition and to the careers that may result from study in this discipline. It offers a balanced presentation of the science of nutrition and covers topics and issues that concern students. It also encourages them to actively participate and to think about how course material they are reading is relevant to their own lives. The second portion of the course is an applied first aid course titled "Responding to Emergencies" developed by the American Red Cross. The course is taught by a certified Red Cross instructor, insuring that students will be certified in first aid, CPR, and the use of the AED upon successful completion.
- 992 Principles of Athletic Training** **1 credit** **level 2**
This course is an introduction to the principles applied by athletic trainers in the treatment of sports injuries. The course will include a review of basic anatomy and physiology and further work in the treatment modalities used to get the injured athlete back to pre-injury condition. This course is for students with an interest in athletic training, physical therapy, or sports medicine. Field trips to see college facilities and to receive information are part of the curriculum.

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