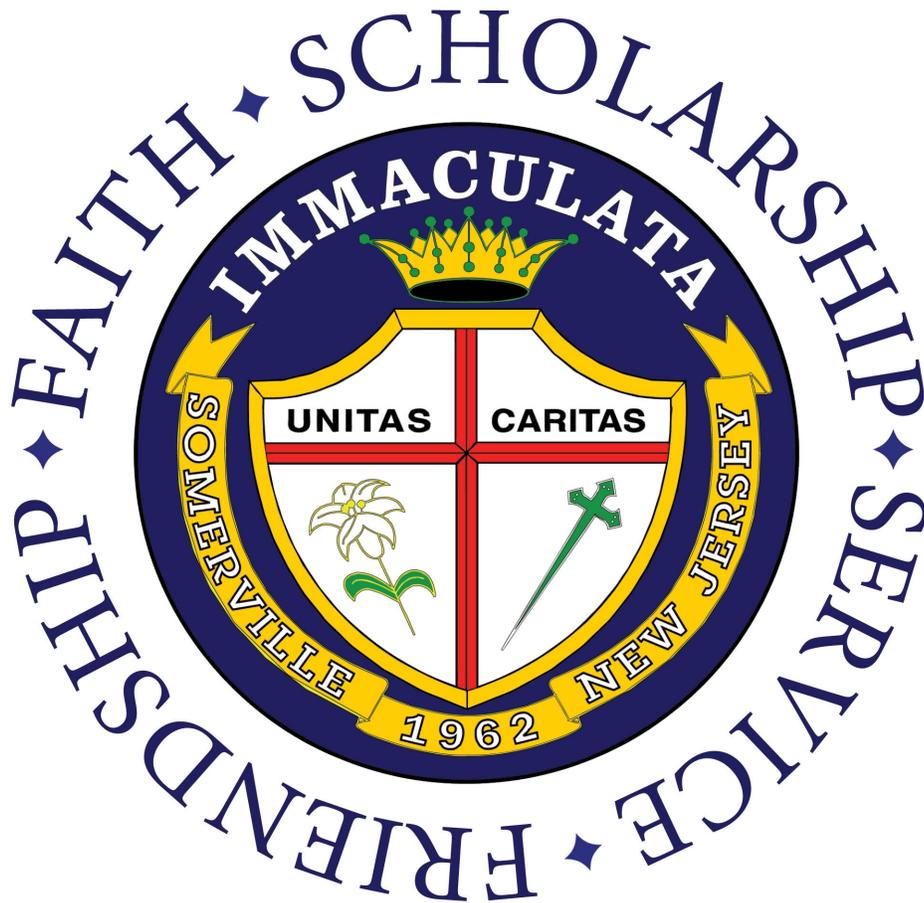


# Immaculata High School

240 Mountain Avenue  
Somerville, NJ 08876



## Curriculum Guide

2017-2018

# IMMACULATA HIGH SCHOOL

Somerville, NJ 08876

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Coordinator of Guidance Services	Mrs. Linda Tully
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Director of Athletics	Mr. Thomas J. Gambino

## Academic Department Chairs 2017-2018

Theology Department	Sr. Mary Virginia Quinn, IHM
English Department	Mrs. Irene Eckert
Mathematics Department	Mrs. Elaine Petsu
Social Studies Department	Mr. Joseph Servedio
Science Department	Sr. Mary Ann Besitka, IHM
World Language Department	Mrs. Vanessa Roulett
Business Education/Technology Department	Mrs. Elaine Petsu
Art Department	Mrs. Deirdre Rosinski
Music Department	Mr. Edward Webber
Physical Education Department	Ms. Nicole Palazzi

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## Curriculum Guide Introduction

### ACADEMIC PROGRESS

Immaculata High School utilizes three methods to keep parents informed of their child's academic performance.

1. **PowerSchool**, our on-line parent and student information program, provides up-to-date access to student's grades.
2. Teachers also post homework assignments and other pertinent class information on **myIHS**, accessed through the Immaculata website, [www.immaculatahighschool.org](http://www.immaculatahighschool.org).
3. **Progress Reports** are sent home with the students at the midpoint of each quarter. **Report cards** are distributed at the end of each marking period in school. **Parent-teacher conferences** are scheduled between the parent and the teacher directly.

### GRADING POLICY

The school year is divided into four marking periods and two semesters. Semester I is made up of marking periods one and two and the January examination. Semester II includes marking periods three and four and the June examination. The final grade for the year is the average of Semester I and II. The dates for the 4 academic quarters are posted on the school website.

The school employs the following grading system:

A+= 97-100	C+= 77-79
A= 93-96	C = 74-76
A-= 90-92	C-= 72-73
B+= 87-89	D= 70-71
B= 83-86	F= 69 & below
B-= 80-82	

I=Incomplete ME=Medical excuse (no credit earned) W=Withdrew (no credit earned)

### GRADE POINT AVERAGE

The guidelines governing grade point average are based on the recommendations of the National Association of Secondary School Principals which are explained below. The grade point average for an Immaculata student is determined by these factors:

- 1.) Quality Points based on the Weight of the class     **QP x Cr = Total QP**
- 2.) Number of Credits

$$\text{G.P.A.} = \frac{\text{Total QP}}{\text{Total Credits}}$$

#### Quality Points Scale

Grade	Ess.	CP	Honors	AP/Adv.
99	3.58	4	4.42	4.63
98	3.51	3.93	4.35	4.56
97	3.44	3.86	4.28	4.49
96	3.37	3.79	4.21	4.42
95	3.3	3.72	4.14	4.35
94	3.23	3.65	4.07	4.28
93	3.16	3.58	4	4.21
92	3.09	3.51	3.93	4.14
91	3.02	3.44	3.86	4.07
90	2.95	3.37	3.79	4
89	2.88	3.3	3.72	3.93
88	2.81	3.23	3.65	3.86
87	2.74	3.16	3.58	3.79
86	2.67	3.09	3.51	3.72
85	2.6	3.02	3.44	3.65

Grade	Ess.	CP	Honors	AP/Adv.
84	2.53	2.95	3.37	3.58
83	2.46	2.88	3.3	3.51
82	2.39	2.81	3.23	3.44
81	2.32	2.74	3.16	3.37
80	2.25	2.67	3.09	3.3
79	2.18	2.6	3.02	3.23
78	2.11	2.53	2.95	3.16
77	2.04	2.46	2.88	3.09
76	1.97	2.39	2.81	3.02
75	1.9	2.32	2.74	2.95
74	1.83	2.25	2.67	2.88
73	1.76	2.18	2.6	2.81
72	1.69	2.11	2.53	2.74
71	1.62	2.04	2.46	2.67
70	1.55	1.97	2.39	2.6

1. The cumulative GPA will be carried out to two (2) decimal places. (Physical Education is not included.)
2. If a tie in GPA should result, the student with the highest number of Quality Points will be the Valedictorian and the student with the second highest number will be the Salutatorian.
3. Valedictorian and Salutatorian will be determined at the end of the second (2<sup>nd</sup>) semester of senior year.

### **COURSE SELECTION PROCEDURE**

Students are placed in courses based on entrance test scores, previous grades, department recommendations, and other relevant criteria. Course selection is done online through PowerSchool during the second semester. **Students with outstanding financial obligations may not be permitted to select courses.** Student schedules are available at the end of August through PowerSchool (provided all financial and documentation obligations are complete).

As students think about their schedule for next year, they should seek advice from their parents, teachers, counselors and others who know them. Students should challenge themselves by taking a rigorous course load based on their ability. Taking a variety of challenging courses helps keep their options open for the future. Students should consider all the variables that go into providing the appropriate academic challenge while maintaining balance and well-being.

We ask that students and their families make an honest assessment of the time demands required of selected courses, as they fit with the students' overall schedule of activities, sports and/or outside work. Unless the student spends the required time on study each day, he/she cannot expect to achieve academic success. It is very important that students choose courses that they intend to take.

The first part of the course selection process is course recommendations. It is during this time that teachers recommend students for classes during the following year. Once the master schedule has been completed, a student schedule is generated. Our hope is that students are scheduled for all the courses they have requested.

Classes may not be changed because of dislike for the subject, for meeting time of the class, or for the teacher. Some elective courses are only offered if enough students sign up for them. The administration reserves the right to make schedule changes to equalize class size or to place the student in an appropriate ability level class based upon teacher recommendation.

Requests for changes are not honored after the scheduled deadline. Exceptions are made only in the cases of conflicts, scheduling errors or recommendation of the administration. The window to make schedule changes closes on September 15, 2017 (February 2, 2018 for second semester courses). If a level change is made, it is made through teacher recommendation at the discretion of the Administration.

### **Schedule Change Procedures During the School Year (as of September 2017)**

The need for program changes while school is in session is recognized only under special circumstances. For example, scheduling errors, course conflicts or clear, documented academic misplacement will be considered. Counselors often find that some students wish to change their schedules for the wrong reasons – their friends are not in their classes, the first assignment seems difficult, the periods conflict with the lunch they prefer, etc. Typically, if there is no mistake or omission in the student's elected program, a schedule change during the school year will not be permitted.

If a student feels that (s)he is in an inappropriate academic placement, (s)he may request a change in academic level. Students who wish to move up a level may request a change in course level beginning ten (10) school days after the start of the course. Students who wish to move down a level may request a change in course level beginning fifteen (15) school days after the start of the course.

Please keep in mind that the master schedule is constructed to best meet the needs of all students. During the course request process, students select preferred and alternate elective courses. After all student course requests have been finalized, elective changes will not be considered. Similarly, lateral or preference based schedule changes will not be allowed unless there are extenuating circumstances as determined by the principal or designee. All requests for a change in schedule of any type must be requested in writing and signed by parent/guardian.

A student who wishes to propose a change should contact his/her counselor and then discuss the proposed change with his/her parent(s)/guardian(s) and the current teacher. If the student still wishes to proceed with a change after these discussions, the student's counselor will contact the Assistant Principal for Academic Affairs to request permission to proceed with the request. The administrator may meet with the student if (s)he feels that a meeting is necessary.

#### Information Regarding Dropping/Adding Courses:

- Requests for a change in level (i.e., Algebra II "H" to Algebra II "CP") in a full year course will be honored until 10 days after the end of the second marking period.
- Requests to transfer out of a full year class will be considered starting at the end of the first marking period up until ten (10) days after the end of the first marking period progress report date.
- Requests to transfer out of a semester class will be considered up until ten (10) days after the end of the first and/or third marking period progress report date.
- Students who transfer out of a class within the prescribed time frame will have all record of the class expunged from their permanent record and have no impact on the GPA.
- Students who drop a class after this time will be issued a grade of "W" and any cumulative grade earned (WA, WB, WC, WD, WF) to that point.
- No partial credit will be given for semester or full year classes if a student withdraws prior to the end of the course.

### **COURSE LEVELS**

**Advanced Placement** – for the student who is ready for college-level courses approved by the College Board and taught in high schools. They are intended for those subjects for which advanced standing or advanced placement may be earned in college.

**Honors** – for the student who is capable of learning much beyond the ordinary content of a course and who assumes the responsibility of working independently to a greater degree.

**College Prep** – for the average or above average college preparatory student who can assume the responsibility of working independently to some degree.

**Essentials** - for those students who require a slower pace and greater direction with a major emphasis on drill and fundamentals to prepare them to move into college prep level courses. Placement in Essentials courses is based on standardized scores and teacher recommendation.

### **College Courses**

Occasionally a student is recommended to take a course, or courses, at a local college. All such courses must be pre-approved by the Director of Guidance and/or Assistant Principal of Academic Affairs.

### **EXAMINATIONS**

Exams are administered at mid-year and at year's end. All exam dates are posted on the calendar. If a student is absent for an exam, a doctor's note must be sent into school.

Seniors can be exempted from June examinations **in full year courses** if they have earned a grade of 93 or above in each quarter, including the fourth.

### **GRADUATION POLICY**

The school reserves the right to issue diplomas only to those students who, in the school's judgment, reflect the philosophy of the school, pass the required course of study, accumulate the necessary credits for graduation, and pay all tuition and fees. Any senior who has not met the requirements for graduation by June of his/her senior year may be refused participation in commencement exercises. A diploma may be granted at the discretion of the Principal and/or Assistant Principal of Academic Affairs after the senior has met the graduation requirements.

**Required Course of Study:**

1) Students must have a successful academic standing in the following areas:

Theology	4 years
English	4 years
Mathematics	3 years
Science	3 years
Social Studies	3 years
World Language	2 consecutive years of the same language
Physical Education	4 years
Health	1 ½ years (3 semesters)
Driver’s Education	½ year (1 semester)

2) Students must accumulate a minimum of 132 credits and receive a passing grade in ALL required and elective courses.

3) All ninth grade students are required to sign up for 33.68 credits. Tenth, eleventh, and twelfth grade students are required to sign up for 32.84 credits.

4) Full year courses are worth 5 credits. Semester courses are worth 2.5 credits. Health and Driver’s Education courses are worth .84 credits. PE courses are worth 2 credits (not included in GPA calculation).

**Transfer/New Students to IHS (as of September 2017)**

Immaculata High School reserves the right to administer exams to students for the purpose of placement and/or acceptance of course credit. Such a test might well prove invaluable to assess prerequisite skills. Students new to IHS may receive credit toward graduation for courses taken in accredited high schools outside the school district. However, only courses taken at Immaculata High School will be used to calculate the student’s GPA.

In each high school graduating class, the pupil who has earned the highest grade point average shall be named valedictorian and the pupil who as has earned the next highest grade point average shall be named salutatorian provided that any pupil so named shall have been enrolled in the high school for at least three (3) years immediately prior to high school graduation. Students recognized as being in the Top 20 members of his/her graduating class must also have been enrolled in the high school for at least three years immediately prior to high school graduation.

**YEAR-END FAILURES/SUMMER SCHOOL POLICY (As of June 2016)**

A year-end failure is defined by Immaculata High School as an academic course where a student’s year end average is below seventy (70). Therefore, it is possible for a student to fail for a quarter or fail an exam and still pass the course for the year. However, those students who do not achieve a grade above 70 for the year will fall under the following sanctions:

- 1) Ninth-grade students with five failures at the end of the first semester will be dismissed, as will 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students with four failures. Any student with three failures at the end of the school year will not be readmitted to school the following September without administrative approval.
- 2) NO STUDENT WILL BE ALLOWED TO REPEAT A COURSE DURING THE FOLLOWING YEAR. If a student fails one or two courses at the end of the school year, he/she may not be promoted to the next grade unless the failure is removed by successful completion of an approved credit recovery program, at which time the credit recovery course will be added to their transcript and they will receive GPA credit for a grade of 70.
- 3) All failed courses must be made up during the summer. Parents must contact the Assistant Principal of Academic Affairs or Guidance Director to discuss which strategy will be approved (summer school, certified tutor, on-line course, etc.) to make up a failure.

## **ACADEMIC ELIGIBILITY AND PROBATION**

**(As of September 2016)**

A student's eligibility to participate in extracurricular activities is determined at the end of each quarter and semester. Any student who has two or more failures at the end of a quarter (marking period) or at the end of the semester (marking period) will be academically ineligible to participate in any extracurricular activity scheduled during the next marking period (quarter or semester, respectively). The official date of ineligibility will be the day the report card is distributed. Re-instatement of eligibility will be determined by the administration according to the handbook.

Extra-curricular activities are defined as athletics, student government, school plays, clubs, dances, and non-subject related trips. Students already involved in an activity at the time will be suspended from the activity. Academic eligibility for athletics assumes that a student has fulfilled the credit requirement of IHS and the NJSIAA for participation in interscholastic athletics.

## **ACADEMIC PROBATION CRITERIA**

- 1) Any student who is placed on academic probation will be required to have a conference with their parent/guardian, the Principal and/or the Assistant Principal for Academic Affairs.
- 2) Students on academic probation may be required to attend extra help sessions with teachers and/or work with a peer tutor after school or during Activity Period in the Media Center.
- 3) The Administration reserves the right to remove any student from the school whose academic achievement is seen as unsatisfactory.

## **ACADEMIC SUPPORT**

Teachers provide needed academic support in order for every student to successfully complete his/her course of study. Each teacher has specific times posted on PowerSchool and/or myIHS when they are available to provide tutorial help related to improved achievement. Peer tutors and on-line math and language arts programs are also available to ensure that every student has the tools to reach their goals.

## **ACADEMIC ELIGIBILITY FOR NCAA DIVISION I OR DIVISION II COLLEGE**

College bound athletes also need to be sure that they have the kind and number of courses required to meet NCAA eligibility requirements. Specific information about NCAA eligibility is available through the Guidance Office and at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) to see which of our courses are authorized core courses. In addition, the NCAA uses a sliding scale in regard to GPA and SAT/ACT scores.

Many high school athletes are hopeful of a college scholarship once they graduate from IHS. The following academic eligibility requirements for NCAA Division I and II colleges is printed below and should serve as a reference for athletes when selecting courses.

### *General Requirements:*

To be a qualifier at **Division I** institution and eligible for financial aid, practice and competition during the first year, the student must:

1. Graduate from high school
2. Present a minimum combined test score on the SAT critical reading and math sections or a sum of the four sections (English, Math, Reading and Science) on the ACT as indicated on the index scale which is available online at the website above or copies are available in Guidance.
3. Achieve a minimum grade point average (GPA) of 2.3 in at least 16 core courses in the following areas: 4 years of English, 3 years of mathematics (Algebra I or higher), 2 years of natural/physical science, (1 year of lab if offered by high school), 1 year of additional English, mathematics, or natural/physical science, 2 years of social studies, 4 years of additional courses (from any area above, world language or comparative religion/philosophy).

To be a qualifier for a **Division II** institution, you must:

1. Graduate from high school
2. Present a minimum grade-point average of 2.0 in at least 16 core courses in the following areas: 3 years of English, 2 years of mathematics (Algebra I or higher), 2 years of natural/physical science (1 year of lab if offered by high school), 3 years of additional English, mathematics, or natural/physical science, 2 years of social science, 4 years of additional courses (from any area above, world language or comparative religion/philosophy)
3. Present a minimum 820 combined score on the SAT critical reading and math sections only or an ACT sum score of 68. The writing section of the SAT is not used.

The following courses do not qualify as core courses for **NCAA eligibility** and are not used in the calculation of a student's core course GPA:

Art Courses  
Business Courses  
Music Courses

Theology Courses  
Physical Education Courses

**THEOLOGY DEPARTMENT**

**0012 Theology 1**

**The Revelation of Jesus Christ in Scripture**

This course helps students understand that Sacred Scripture is a primary revelation of God where they encounter the living Word of God, Jesus Christ. Emphasis will be given to the development, content and authorship of the Bible. The latter part of the course will focus on the Gospels and one's personal relationship with Jesus Christ.

**Who Is Jesus Christ?**

Following up from the previous course on Jesus Christ in Scripture, this course highlights Jesus Christ as the ultimate revelation of God. Concentration will be on the mystery and person of Jesus and who he calls us to be.

**Grade 9**

**Semester 1**

**Semester 2**

**0022 Theology 2**

**The Mission of Jesus Christ (The Paschal Mystery)**

This course helps students understand all that God has done for humanity through his Son, Jesus Christ. They will learn that God's plan, from all eternity, for human beings to share everlasting happiness with him was accomplished through redemption in Christ. In response to this good news students will inquire about the meaning of being a disciple of Christ.

**Jesus Christ's Mission Continues in the Church**

**Semester 2**

Following up from the previous course on the paschal mystery, students will learn that Christ's mission of redemption continues through the mission of the Church. They will better understand their own call to discipleship and their role in Jesus' mission of salvation.

**Grade 10**

**Semester 1**

**0032 Theology 3**

**Life Decisions**

Within the context of the Judeo-Christian tradition and the Tradition of the Catholic Church, this course explores the burning issues and questions of personal morality, societal morality, and social justice. Utilizing the Ten Commandments and the Sermon on the Mount as structural teaching tools, the course will emphasize formation of conscience and the role of discernment in one's spiritual and moral life.

**Social Justice**

This course leads the students to re-examine their faith in the light of today's Church and the teaching of Vatican II. Faith as God's gift to us, calls for transformation in Christ and a response in our lives. Thus, this course extends the faith concept to include education for justice and peace as a process based on the values of human dignity, global community, and non-violence intrinsic to the Gospel of Jesus Christ. This course challenges growth in social responsibility and provides ways to effect structural change as an instrument for the transformation of the world.

**Grade 11 semester courses**

**0042 Theology 4**

**Christian Lifestyles/Marriage**

This course is designed to give students a more mature attitude about the qualities necessary for a Christian lifestyle and a Christian marriage. Vocations and lifestyles of the ordained ministry, single life, and religious life will be examined. Life attitudes, sexuality, values, biblical and sacramental dimensions of marriage, annulments, and liturgical elements will be explored. Group involvement and interaction will be highlighted along with good communication techniques.

**Faith and Reason**

Within the understanding of the conscious formation of a faith community, this course will study the creed, professed each Sunday at the liturgy, with particular stress on apologetics. The student will be prepared to defend and personally witness his/her Catholic faith with courage and humility in response to John Paul II's call to young people to be "genuine apologists for the mystery of redemption".

**Grade 12 semester courses**

**0072 Human Dignity: AP Seminar**

In the AP Seminar course, students will think critically and creatively about real-world issues related to the topic of human dignity, beginning with the foundations of modern Catholic Social Teaching through present day. The main focus of the course is research in cross-curricular areas which will encourage students to explore multiple perspectives and lenses (e.g., cultural and social, artistic and philosophical, political and historical, environmental, economic, scientific, futuristic, ethical) related to the theme of human rights. The

**Grades 11-12**

first semester will use the QUEST framework in order to develop advanced skills in researching, exploring, collaborating and communicating using various media, focusing on subtopics related to the overarching theme. Working both in groups and individually, students will consider multiple points of view by reading diverse texts, listening to and viewing speeches, broadcasts, personal accounts, and artistic works in order to develop and present arguments through several writing assignments and presentations. In the second semester, students are required to apply what was learned in the first semester to complete two AP Seminar performance tasks: a team project and presentation, and an Individual Research-Based Essay and Presentation using a topic and materials provided by the College Board. The final assessment is an AP exam given in May, which will assess the student's ability to synthesize sources in order to write sophisticated argument responses and an essay. Students taking this course must be prepared to write, research, think and collaborate at a college level.

**Prerequisite:** For the '17-'18 academic year, this course is only offered to 11<sup>th</sup> & 12<sup>th</sup> Grade Marian Scholars.

### **0061 World Religions**

### **Grades 11 – 12 semester course**

This course will explore the world's great religions: Hinduism, Buddhism, Judaism, Christianity, Islam, aspects of Confucianism and Taoism, as well as tribal religions such as Native American Spirituality. Representative texts, (scriptures and sacred literature), as well as religious symbols and their meaning, will be examined. Additional aspects of the study will focus on contemporary ethical issues and the role of women within each tradition. From this study students may be able to appreciate their own spiritual heritage as well as clarify what value these specific religions bring to our locus of belief and/or current religious practice.

### **0062 Catechesis and Film**

### **Grades 11 – 12 semester course**

This course invites students to re-examine a variety of theological issues through the mediums of films, music and discussion around the arts. Since theological issues are often portrayed in the media, students may discover a new found sense of God and spirituality by analyzing and evaluating media. The use of film in religious instruction promotes critical thinking and creative expression. It encourages an appreciation of beauty, creativity, and the spiritual dimension of art.



## **ENGLISH DEPARTMENT**

*All required English courses will have summer reading assignments posted on the web site, [www.immaculatahighschool.org](http://www.immaculatahighschool.org)*

### **0112 English 1 CP**

### **Grade 9**

This course provides a solid foundation for the study of English at the high school level. Students begin the formal study of literature through the novel, short story, essay, drama, and poetry. Spelling, punctuation, grammar, and vocabulary are stressed as means to effective oral and written communication. Students are encouraged to find their voice as writers as they learn to develop a five-paragraph essay is taught. The student begins the formal study of literature through the novel, short story, essay, drama, and poetry. Students, using the online resources in the library, learn how to choose and narrow a topic, formulate a thesis statement, and develop an outline. Students also write a short research paper. Supplementary reading is required.

### **0113 English 1 Honors**

### **Grade 9**

In this course students will study world literature of various genres and a Shakespearean play. Also, the students will create various projects that will reflect their understanding of literature. The students will focus on composition, oral expression, and writing. At the honors level, students are expected to work independently. The course includes a unit on how to use the library for research. Students will learn how to choose and narrow topics, to write a thesis statement, and to construct an outline, which develops the thesis. The students also write a short research paper. Underlying all composition work is the formal study of grammar. The analysis of written works, as well as critical thinking, is an integral part of the course. As a communication course, students have the opportunity to develop speaking skills. Placement is determined by standardized test scores.

**0115 English 1****Grade 9**

This course is offered to those ninth grade students who need reinforcement in the important skills of reading, vocabulary, writing, and grammar to prepare for CP English classes in their sophomore, junior, and senior years. By emphasizing fundamental skills in these areas and by grounding the student in all the terms and concepts taught in CP English, this course will enable motivated students to experience success in subsequent classes. All of the literary genres are studied; supplementary novels and plays are read. In addition to the library skills course, the students will continue to develop library research skills by completing independent projects and by sharing the information they acquire through the written word.

**0122 English 2 CP****Grade 10**

This course expands the study of language and continues to build a greater appreciation of good literature. All literary genres are covered together with an exploration of mythology, and selected examples of world literature. Reading of supplementary novels and plays is required. Emphasis is placed on more sophisticated sentence structure, grammar, and vocabulary. The five paragraph essay is expanded stressing unity and coherence. A literary based research paper is also written. Students maintaining a 93 average may be considered for honors.

**0123 English 2 Honors****Grade 10**

This course is offered to students who are able to read and write at the honors level. The literature strand introduces the student to major world writers beginning with such early works as the Babylonian epic of Gilgamesh and continuing through the twentieth century. In addition to the longer essay in its various forms, research paper skills are increased through the preparation of a long, formal outline which accounts for all information gathered, and through the writing of a research paper from that outline. An advanced vocabulary program is presented with the grammar necessary to support the writing. Some oral expression techniques are taught. Supplementary readings are required during the year.

*Prerequisite:* Recommendation of the freshman honors teacher and at least an 85 average in English 1 H. College prep students, who have a first semester average of at least a 93 in English 1 CP and obtain a teacher recommendation, may be considered for honors.

**0127 English 2****Grade 10**

This course is offered to those tenth grade students who need reinforcement in the important skills of reading, vocabulary, writing, and grammar to prepare for CP English classes in their junior and senior years. By emphasizing fundamental skills in these areas and by grounding the student in all the terms and concepts taught in CP English, this course will enable motivated students to experience success in subsequent classes. All of the literary genres are studied with an exploration of mythology and selected examples of world literature; supplementary novels and plays are read. The students will continue to develop library research skills by completing independent projects and by sharing the information they acquire through the written word.

**0132 English 3 CP****Grade 11**

This course seeks to aid students in the further development of their reading and analytical skills through a thematic approach of American literature. Students will explore the development of American culture via various genres of prose, poetry and drama. In addition, one of Shakespeare's plays is also incorporated into the study of drama. A special emphasis is placed this year on the development of writing literary analysis essays and a literary research paper. The importance of vocabulary is stressed through both a vocabulary book and the works being studied. Grammar is reinforced as a means to more adult writing. Finally, students will write their College Admissions essay at the end of the year.

**0133 English 3 Honors****Grade 11**

The literature in this course covers major American authors with emphasis on differing genres. Its basis is the concept that analysis of literature requires and stimulates creative and critical thinking. The student learns to examine, identify, analyze, and draw valid conclusions about the overall merit of the material read. Composition stresses serious critical analysis culminating in an extensive research paper on a literary topic. Students study vocabulary from material taken directly from their reading as well as SAT prep booklets. Advanced grammar is taught as a mainstay of clear, disciplined writing. Finally, several full-length American novels and plays are read in addition to the required summer readings. The College Admissions essay is also addressed.

**Prerequisite:** Recommendation of the sophomore honors teacher and at least an 85 average in English 2H. College prep students, who have a first semester average of at least a 93 in English 2 CP and obtain a teacher recommendation, may be considered for honors.

**0135 Advanced Placement English: Language & Composition**

**Grade 11**

AP English Language and Composition encourages students to become skilled readers of works written during various times in history, disciplines, and rhetorical contexts. Students will analyze how written language communicates with its audience and functions stylistically. While much focus is placed on non-fiction prose texts, this course will also enable students to understand how poetry, drama, and novels function rhetorically as well. Reading and writing exercises will aid students in their understanding of the conventions of written expression while encouraging them to become skilled and effective writers. Grammar, as an essential part of both oral and written expression, will be emphasized. Students will also be required to sit for the Advanced Placement English: Language & Composition exam in May.

**Prerequisite:** Department approval, based on teacher recommendation, placement test and at least an average of 95 in English 2H

**0142 English 4 CP**

**Grade 12**

This course seeks to aid students in the further development of their reading and analytical skills through a thematic approach of British literature. Students will explore the development of British culture through various genres of prose, poetry and drama. Students will also student the etymology of the English language as a whole and its development through time. The main focus of the course will be on literature, combining key analytical reading skills with exposure to a wide range of literature including poetry, prose and drama from the British classics, graphic novels, modern works, and literature from world cultures, even drawing parallels to American literature. A special emphasis is continued to be placed upon the development of writing literary analysis essays and a literary research paper, both concentrating on MLA and APA formats. Concurrently, the students will complete grammar and vocabulary exercises to improve the writing style of their own work.

**0143 English 4 Honors**

**Grade 12**

This course encourages a higher level interpretation, discussion and written analysis of advanced literature, including works such as Beowulf, Frankenstein, Shakespearean drama and the British Romantics, as well as modern fiction and non-fiction works. There will be a major focus on expository writing as preparation for college expectations, including frequent papers of various length and practice in MLA and APA formats. Vocabulary study will come from a text and from novels and plays read during the year. Advanced grammar, as an essential part of sophisticated written expression, will also be emphasized. If the student wishes, and with the recommendation of the teacher and the department head, she or he may take the Advanced Placement Literature examination in May.

**Prerequisite:** Recommendation of the English 3H teacher and at least an 85 average in English 3H. College prep students, who have a first semester average of at least 93 in English 3 CP and obtain a teacher recommendation, may be considered for honors.

**0146 AP English: Literature and Composition**

**Grade 12**

The major emphasis of this class is college level interpretation, discussion and written analysis of advanced literature, mainly British and American, with some World Literature, from the 16th century to the present. Prose, poetry and drama from varied time periods, literary movements, and styles will be analyzed. Students will write often, including timed in-class essays, at-home literary analysis and/or research, and one longer research paper. Members of this class will be expected to commit significant time to reading and writing independently at home. The class will also focus on the advanced vocabulary, literary terms, and literary devices that will enable students to write analysis with confidence, in preparation for the AP Literature exam given in May - a requirement of this course. Advanced grammar, as an essential part of sophisticated written expression, will also be emphasized.

**Prerequisite:** At least a 90 average in AP English Language and the recommendation of the Advanced English teacher. Students maintaining a 95 average in English 3 H may also be considered.

**0137 Shakespeare CP****Grades 11 – 12 semester course**

In order to offer students the opportunity to explore works of Shakespeare not covered in the regular English curriculum, this course presents exposure to some of the Bard's other works, including *Much Ado About Nothing*, *Twelfth Night*, and *The Taming of the Shrew*, as well as abridged versions of several other plays such as *King Lear*, *As You Like It* and *The Comedy of Errors*. The course will also focus on the history of Shakespeare's Elizabethan England, translation of Shakespeare's language, and analysis of some of Shakespeare's sonnets. Plays will often be read aloud in class or acted out on stage. (Acting/reading aloud ability not required but enthusiasm, energy and a willingness to try are most welcomed!) Film versions of the plays will also often be a part of class activities.

**0138 Introduction to Film Studies CP****Grades 11 – 12 semester course**

To help students appreciate film as a distinct art form, this course will examine and analyze various genres of film from the 1930's to the present including *Modern Times*, *Citizen Kane*, *Psycho*, *Life is Beautiful*, *The Godfather*, *Slumdog Millionaire*, *The Hurt Locker* and many others. The class will also cover several mini-units on film elements such as scores and soundtracks, types of lighting and shots, types of editing, and characteristics and iconic works of different film genres. It will explore the history of the development of film from the beginning, and provide students with methods of viewing film critically. Various forms of assessment including papers, creative projects and viewing/shot analysis tests will be part of the curriculum

**0150 Fantasy Literature****Grades 11 – 12 semester course**

Fantasy literature is a semester long course that will explore the popular but often neglected literary genre. The students will trace the very beginnings of the genre in the myths and legends of various ancient cultures. They will also discuss the fairy stories that have helped to define our morals as a culture and society for centuries. Then we will also discuss how the fantasy genre has grown throughout the years and how it will continue to grow in the future. Featured writers include the Brothers Grimm, Malory, Lewis, and Gaiman among others.

**0153 Dystopian Literature****Grades 11 - 12 semester course**

Dystopian literature is a semester long course that will explore how authors from various cultures and time periods have attempted to answer the question: Could a Utopian society ever exist, and why does such a search for the perfect world typically backfire? This course involves reading a selection of works so the students will be able identify and analyze how dystopian authors turn an inquisitive eye on their own societies in answering these questions. Critical and analytical discussions and writing will be required.

**0147 Introduction to Psychology & Literary Theory Honors****Grade 12**

This is a full year course which provides a broad study of psychology and an introduction to various literary theories. Students will explore the ways in which human behavior and thinking aids in the development of literature and other media. Students will be exposed to multiple theories such as Psychoanalytic, Reader Response, Marxist and Feminism. Theories will be applied to works of fiction, poetry, and other media such as film. Topics of discussion will include the utilization of these theories in the development of plots, characters, themes, conflicts and symbols in various literary genres.

**Prerequisite:** Successful completion of English 3 Advanced or Honors. Students maintaining a 95 average in English 3 CP and have a teacher recommendation may be considered.

**0148 Journalism 1 CP****Grades 10 – 12**

Journalism 1 teaches students the publication process (most notably for the school yearbook and newspaper) in the school's Mac Lab. By learning theme development, copywriting, team organization, computer layout, photography, design, proofreading, and deadline management, students develop key skills related to publications, social media and the workplace. In addition, the textbook covers significant media related events and the ethical issues connected to them, allowing students to research and analyze these topics. Writing, grammar, and vocabulary skills are emphasized.

**0149 Journalism 2 CP****Grades 11 – 12**

Selected students, who have successfully completed Journalism I, are eligible to take Journalism II. Students will assume the leadership roles in producing publications and social media items. In addition, they will be responsible for giving technical training to their peers, representing the moderator to the faculty and

administration, as well as resolving production problems. They must design schedules for photography and for meeting deadlines, and supervise production of all pages before they are submitted to the printing plant.

**Prerequisite:** Recommendation of the Journalism teacher in conjunction with English teacher.



### MATHEMATICS DEPARTMENT

*Before selecting an honors level Mathematics course, parents and students should be aware of the significant differences between an honors level and a college prep level course. Honors level mathematics courses are faster paced with considerably less repetition of ideas to achieve student mastery. As a result, students in honors classes must exhibit a strong work ethic and the ability to learn independently. Honors level mathematics courses build on students' innate logical abilities stressing critical thinking while making connections among seemingly diverse topics.*

#### **0212 Algebra I CP**

**Grade 9**

This course covers the foundations of algebraic thinking including rational and irrational numbers, solving and graphing linear equations and inequalities, solving systems of linear equations and inequalities, quadratic equations and functions, polynomials and factoring, and rational expressions. Connections to real world applications are encouraged. A graphical approach is emphasized. A graphing calculator is required. A summer assignment is required.

#### **0211 Algebra I**

**Grade 9**

This modified course covers the topics listed in Algebra I CP but the approach is less rigorous and more intuitive. This course includes arithmetic skills review and emphasizes concept retention using drills. It is a complete foundations course in elementary algebra. A summer assignment is required. A graphing calculator is required.

#### **0223 Geometry Honors**

**Grades 9 – 10**

This course includes plane, solid and coordinate geometry. The units covered include: triangles, polygons, lines, circles, space perception, surfaces, volumes, and geometric relationships. Triangle trigonometry including the Law of Sines and the Law of Cosines is studied. Geared to students intending to follow a heavier math-science roster, it treats each topic in greater depth than Geometry CP. Deductive and inductive reasoning are taught and the students are guided to develop theorems and deduce corollaries. Students are taught several methods of proof and given extensive practice in each. Throughout the course, the emphasis is on proof and spatial concepts. Algebra skills are maintained through review. A summer algebra review assignment is required. A graphing calculator is required.

**Prerequisite:** Algebra I CP students with a minimum 95 average will be considered for Geometry Honors in Grade 10. Grade 9 Placement is dependent upon completion of Algebra I in 8th Grade, 8th Grade teacher recommendation and entrance examination results.

#### **0222 Geometry CP**

**Grades 9 – 10**

This course covers plane, solid and coordinate geometry. The units include: lines, angles, triangles, quadrilaterals, circles, area and volume. Right triangle trigonometry is covered as well as an introduction to the Law of Sines and the Law of Cosines. Inductive and deductive reasoning are used to develop logical thinking skills and to aid in the understanding of the basic concepts of geometry. Coordinate geometry is taught to assist with understanding and proving relationships. Algebra skills are maintained throughout the course. A graphing calculator is required. A summer assignment is required.

**Prerequisite:** For incoming freshmen, placement is dependent upon successful completion of Algebra 1 in 8th Grade, 8th Grade teacher recommendation and entrance examination results.

#### **0221 Geometry**

**Grade 10**

This course includes the major topics listed in Geometry CP with more emphasis is placed on intuitive and informal deductive reasoning than on formal proofs. Algebra skills are maintained throughout the course. A graphing calculator is required. A summer assignment is required.

**Prerequisite:** Algebra 1 CP and departmental approval or Algebra 1

**0233 Algebra 2/Trigonometry Honors****Grades 10 – 11**

This course, enhanced by the use of graphing calculators, develops and expands concepts taught in Algebra I H or CP and includes: linear and polynomial functions, inequalities, quadratic relations, systems of equations, complex numbers, rational functions, and conic sections. In addition to the algebraic topics, the following areas are covered: exponential and logarithmic functions, matrices, selected discrete mathematics topics, trigonometric and circular functions. A summer algebra and geometry review assignment is required. A graphing calculator is required.

*Prerequisite:* Algebra I CP/H; a grade of 85 in Geometry H or departmental approval. (CP students who have demonstrated exceptional ability and who have a minimum average of 95 in Geometry CP will be considered for this honors class.)

**0232 Algebra II CP****Grades 10 – 11**

The scope of this course includes the further development and expansion of concepts covered in Algebra I CP. Topics include the real number system, complex numbers; linear equations, inequalities, linear systems, elementary linear programming; factoring, rational expressions; functions and graphs: quadratic, polynomial, rational and radical; conic sections; matrices; introduction to counting techniques; introduction to sequences and series. A graphing calculator is required. A summer assignment is required.

*Prerequisite:* Algebra I CP, Geometry CP or departmental approval.

**0230 Algebra II****Grade 11**

This modified course develops and expands concepts taught in Algebra 1. The approach is less rigorous and more intuitive than Algebra 2 CP. Topics include: inequalities, graphing, polynomials and factoring, positive and negative exponents, quadratic relations, and problem solving. A graphing calculator is required. A summer assignment is required.

*Prerequisite:* Algebra I, Geometry or Geometry CP and departmental approval.

**0243 Precalculus Honors****Grades 10, 11 & 12**

This course is designed for students capable of above average work in mathematics and who are interested in a career in mathematics or science. Topics include a detailed study of functions and their graphs: polynomial, exponential, logarithmic, rational, trigonometric; graphing techniques, an introduction to limits, an introduction to derivatives, parametric equations, polar coordinates, polar form of complex numbers, sequences and series, the binomial theorem, counting techniques. A summer assignment is required and a graphing calculator is required.

*Prerequisite:* Grade of 85 in Algebra II/Trig H or departmental approval. Algebra 2 CP students who have shown exceptional ability and have a minimum average of 95 in Algebra II CP will be considered. Documented private tutoring/coursework to learn the additional topics from Algebra 2/Trig H is mandatory.

**0242 Precalculus with Trigonometry CP****Grades 11 – 12**

This course is intended as an introduction to college level precalculus or as a terminal course for students who are planning a non-technical major in college. The course expands upon the four-pronged approach (numerical, analytical, graphical and verbal) and includes the following topics: functions and their graphs: polynomial, power, rational, exponential, logarithmic and logistic. Trigonometry topics include: triangle trigonometry, circle trigonometry, solving right and oblique triangles, trigonometric identities, solving trigonometric equations, graphing trigonometric functions and polar graphing. Other topics may include matrix operations and counting techniques. A summer assignment is required. A graphing calculator is required.

*Prerequisite:* Geometry and a minimum of 80 in Algebra 2 CP or departmental approval.

**0264 Introduction to Precalculus with Trigonometry****Grade 12**

This CP level course is intended for college bound students who need to maintain and improve their algebraic and computational skills. Topics include review materials from Algebra I,II and Geometry in anticipation of SAT testing and college placement examinations. Topics also include materials from the Precalculus with Trigonometry CP curriculum with greater emphasis on drills and the use of technology. This course is not intended for students whose college major may require calculus. A graphing calculator and a summer assignment are required.

*Prerequisite:* Algebra 1, Algebra 2, Geometry, and departmental approval.

**0245 Calculus AP****Grades 11 – 12**

This course is designed for students who will pursue a major in mathematics, technology or engineering in college. The course follows the College Board guidelines for Advanced Placement Calculus to prepare students for the Calculus AB exam. The four-pronged approach to mathematics (verbal, numerical, graphical and analytical) is used to develop topics. A summer assignment is required and a graphing calculator is required.

*Prerequisite:* A grade of 90 in Precalculus H or departmental approval.

**0244 Calculus Honors****Grade 12**

This course is designed for students who are proficient in precalculus and who will pursue a variety of college majors including the sciences and the liberal arts but who will not necessarily pursue a major in mathematics, technology or engineering in college. Beginning with the concept of limits, the course explores differential and integral calculus with less emphasis on theory and proof than Calculus AP. The four-pronged approach to mathematics (verbal, numerical, graphical and analytical) is used to develop topics. A summer assignment is required. A graphing calculator is required.

*Prerequisite:* A grade of 85 in Precalculus H or departmental approval.

**0248 Introduction to Calculus CP****Grade 12**

This course is designed for students who have had Algebra I prior to Grade 9. The course continues the study of precalculus begun in Precalculus with Trigonometry with a firm grounding in the concepts of limit, derivative and integral with an emphasis on graphic understanding. A graphing calculator is required. A summer assignment is required.

*Prerequisite:* Grade of 80 in Precalculus with Trigonometry CP or departmental approval; 75 in Precalculus Honors and departmental approval.

**0260 Introduction to Statistical Thinking****Grades 11 – 12 semester course**

This course is offered as a mathematics enrichment elective taken concurrently with another senior level mathematics course or as a fourth year mathematics semester course. This semester course may be taken with Selected Topics in Discrete Mathematics to provide a full year mathematics sequence. The course provides an introduction to data display techniques: histograms, stem-leaf plots, box plots, scatter plots, regression lines as well as an introduction to samples and surveys. The normal distribution is discussed as a probability model. Emphasis is placed on the development of statistical awareness and logical thinking in a numbers driven society. A graphing calculator is required.

*Prerequisite:* 75 in Algebra 2 CP or 75 in Precalculus with Trig CP

**0261 Selected Topics in Discrete Mathematics****Grades 11 – 12 semester course**

This course is offered as a mathematics enrichment elective taken concurrently with another senior level mathematics course or as a fourth year mathematics semester course. This semester course may be taken with Introduction to Statistical Thinking to provide a full year mathematics sequence. Topics include election theory, fair division, matrix operations, networks and spanning trees. Probability topics include counting techniques, probability and odds, dependent events, mutually exclusive events, simple conditional probability and an introduction to binomial probability. A graphing calculator is required.

*Prerequisite:* 75 in Algebra 2 CP or 75 in Precalculus with Trig CP

**0255 Independent Study in Mathematics****Grade 12**

This course for advanced math students provides the opportunity to take college level math courses while still in high school. Areas of study include Calculus II, Calculus III, Differential Equations, Linear Algebra and Statistics. Courses may be offered at Immaculata if numbers warrant or through online educational providers or partner universities.



## SOCIAL STUDIES DEPARTMENT

*Sequence of Social Studies courses: World History, US History 1 and 2. Three years of History (one year of World History and 2 of US History) are required by the State of NJ. Students who take music or art as freshmen may choose to begin their study of history with World History as sophomores. Electives are offered to juniors and seniors.*

### **0312 World History CP**

**Grades 9 – 10**

The course in World History seeks to provide students with background and knowledge concerning the nature of man that will enable students to understand how political, economic, social and cultural forces shaped the world in which they live. The course highlights and compares similarities and differences among nations, governments and people. Study skills are developed with the aid of the text references that help to clarify concepts and improve vocabulary. Topics that are covered include the earliest civilizations, through the Twentieth Century, as students are provided with opportunities to study western and non-western civilizations. Emphasis is placed on relating the past to the present. This course in World History meets the standards set in place by the State of New Jersey.

### **0311 World History Honors**

**Grades 9 – 10**

In addition to the above course, students placed in honors are expected to analyze and integrate issues demonstrating historical scholarship through position papers, oral presentations, technology assignments and intelligent essay writing. Placement is determined by standardized test scores, eighth grade marks, and teacher recommendations.

### **0332 US History 1 CP**

**Grades 10 – 11**

This course explores the beginnings of civilization in our hemisphere with the emphasis on the United States. The course begins with a review of the early South American cultures and will work through the explorations and the early colonization period. The development of self-government will be examined followed by a study of the American Revolution, our first attempts at unification, and their effect upon the framing of the U.S. Constitution. The formation of political parties and the rise of nationalism and sectionalism will be researched as well as their impact on the American Civil War. The course includes a study of the Reconstruction Period and the opening of the West.

### **0333 US History 1 Honors**

**Grades 10 – 11**

This course covers the growth of the United States from early colonization to the end of the nineteenth century. Emphasis is placed on the origins of the United States in world affairs and the development of our present political and economic systems. Extensive reading and writing is standard course procedure. At least one major research paper is required.

**Prerequisite:** Recommendation of the World History H teacher and at least an 85 in World History H. College prep students, who have a first semester average of at least a 93 in World History CP and obtain a teacher recommendation, may be considered for honors.

### **0330 US History 1 AP**

**Grades 10 – 11**

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the events of United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and importance, and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions based on informed judgments and to present reasons and evidence clearly and persuasively in essay and/or oral format.

**Prerequisite:** Recommendation of the World History H teacher and at least a 90 in World History H.

### **0342 US History 2 CP**

**Grades 11 – 12**

This course begins with Reconstruction and continues to a study of the 1980s. Emphasis is placed on eras of reform (Populist, Progressive, New Deal, Great Society), the Great War, the 1920s, Great Depression, World War II, 1950s, 1960s, Civil Rights, and Vietnam). Principles of the Constitution and American Government

will be reinforced. The course format consists of lectures, discussions, group projects, student presentations, the use of multimedia and computer technology in lessons, and extensive essay writing.

### **0343 US History 2 Honors**

**Grades 11 – 12**

This course is a comprehensive study of the major themes in American History from Reconstruction to the late 1980s. Major focus topics include eras of reform (Populist, Progressive, New Deal, Great Society). The course also includes a study of domestic and foreign policy. The post World War II Era in America is heavily emphasized. Principles of the Constitution and American Government will be reinforced.

*Prerequisite:* Teacher recommendation and a minimum 85 average in US 1 H. CP students, who have a minimum first semester average of 93 in US 1 CP and a teacher recommendation, may be considered for H.

### **0340 US History 2 AP**

**Grades 11 – 12**

This is the second part of the two-year sequence of Advanced Placement U.S. History. Major themes in American History will be studied with in depth analysis of issues concerning the Industrial Age, Immigration, Reform in America (Populist and Progressive), the United States becoming a World Power, the Great War, the 1920s, the Great Depression and World War II. Particular emphasis will be placed on Post-War America in regard to the US and the Cold War, the 1950s, the Civil Rights Movement, Vietnam, Watergate, and the Carter-Reagan-Bush presidencies. Students are required to take the yearly College Board examination in US History, which will be preceded by a thorough review period.

*Prerequisite:* Teacher recommendation and a minimum 85 average in US 1 AP. Honors students, who have a minimum first semester average of 93 in US 1 H and a teacher recommendation, may be considered for AP.

### **0348 American Government Honors**

**Grades 11 – 12**

This course provides an analytical perspective on government and politics in the United States. Both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies will be emphasized. Students will understand the familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. political reality. A research/position paper is required in each semester in addition to essays, quizzes, tests and short term projects.

*Prerequisite:* US 2 CP (96), US 2 H (85) or US 2 AP (85) and teacher recommendation.

### **0744 AP History of Art & Civilization**

**Grade 12**

AP Art History is designed to provide the student with an understanding and enjoyment of architecture, sculpture, painting and other art forms with historical and cultural contexts. Students examine major forms of artistic expression from the past and present and from a variety of cultures. They learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. No prior exposure to art history is required. However, students who have done well in other courses in the humanities, such as history and literature, or in studio art are especially encouraged to enroll. Students will also create studio projects based on the topics covered.

*Prerequisite:* Honors and CP students who have earned a minimum 93 average in upper level English or Humanities courses.

### **0350 AP European History**

**Grade 12**

This college level course is intended for the advanced student. It is designed to help students to develop an understanding of the principle themes and eras in European History. The focus will be on important events, personalities and trends from the fifteenth century through the beginnings of the twenty-first century; the Renaissance to through the European Union. Through intensive readings, lectures, discussions, activities and written essays and articles, the successful student will gain a thorough knowledge of the political, economic, social and diplomatic history of Europe. Students are required to take the AP European History Exam.

*Prerequisite:* Consideration of GPA (with an emphasis on Social Studies and English), and 93 average in US History 2 H or 90 in US History 2 AP and teacher recommendation.

### **0352 The New Jersey Experience CP**

**Grades 11 – 12 semester course**

This second semester course surveys New Jersey history from its beginnings as a proprietary colony of Great Britain to the present. Emphasis will be placed on such factors as the functions of state government, society, culture and geography, and changing demographics that have been influential in determining the character of the state today.

**0344 Introduction to Ethics****Grades 11 – 12 semester course**

This course focuses on the personal and professional judgments made by individuals with respect to ethics. The purpose of this course is to introduce students to the philosophy of ethics and give them a firm grounding in the theoretical foundations of Ethics. From the Greeks to the twentieth century analytical movements, students will trace the differing treatment of the concepts such as “good”, “the good”, “right”, “wrong”, “evil” and the notion of justice. These concepts will be discussed and applied as they relate to present day topics, including: Health Care, Science, Religion, Politics, Business and Education.

**0356 American Studies—Selected Topics CP****Grade 12**

This research-centered course will introduce historical social, political, economic and cultural developments which have had an impact on American society. A major emphasis will be placed on the “silent voices” in American History namely women, immigrants, Native Americans and African Americans. Additional selected topics may include music, literature, art and perhaps American sports. The major objective of the course is to generate and foster a continuing student interest in regional and national events that have had an impact on American society.

**SCIENCE DEPARTMENT**

*Sequence of Science courses: Biology, Chemistry, and Physics, with electives in Anatomy and Physiology, Food and Nutrition, AP Biology, AP Chemistry, AP Physics, Environmental Science, and Introduction to Engineering.*

**0422 Biology CP****Grade 9**

This lecture/lab/demonstration course includes the study of biochemistry, photosynthesis and cellular respiration, cell structure and function, genetics, evolutionary theory, and classification of the organisms in the six Kingdoms.

**0423 Biology Honors****Grade 9**

This lecture/lab/demonstration course offers a rigorous approach to principles of classification, cladistics, cell structure, processes and function, photosynthesis and cellular respiration, biochemistry and function of nucleic acids, genetics and evolution.

**0424 Biology****Grade 9**

This lecture/lab/demonstration course is an overview study of major life processes. Topics include biochemistry, photosynthesis, cellular respiration, cell theory and reproduction, genetics, evolution and classification of the six kingdoms.

**0432 Chemistry CP****Grade 10**

This lecture/lab/demonstration course establishes an understanding of chemical principals and skills which include the study of atomic structure, bonding, states of matter, reactivity and gas laws. Knowledge of algebraic operations and graphical analysis is necessary for chemical calculations.

**Prerequisite:** Minimum of 75 in Biology H/CP and Algebra 1/Geometry CP or teacher recommendation.

**0433 Chemistry Honors****Grade 10**

This lecture/lab/demonstration course exposes the students to an in depth understanding of stoichiometry, thermochemistry, correlation of electronic structure and chemical properties, and characteristics of gases, liquids and solids. Students discuss how chemical models and theories are developed. Through laboratory work, students will use critical thinking and problem solving skills to demonstrate principles learned during lecture.

**Prerequisite:** Minimum of 85 in Biology H/Geometry H; 93 in Biology CP & Algebra 1/Geometry CP.

**0449 Chemistry****Grade 10**

Through the use of laboratory work, demonstrations, lectures, technology and activities, this course provides a foundation of basic chemistry knowledge. Topics covered include SI units and measurement, atomic structure, electrons, quantum mechanics, the periodic table, chemical bonding, chemical naming and formulas, chemical reactions and the states of matter.

**Prerequisite:** Completion of Biology or Biology CP and teacher recommendation.

**0442 Physics CP****Grade 11**

This lecture/lab/demonstration class provides a working mastery of the topics of mechanics, electricity and magnetism, waves and vibrations, thermodynamics and properties of matter. Current topics in physics will also be addressed. Critical thinking and problem solving skills are emphasized.

**Prerequisite:** Minimum of 75 in CP Chemistry and Algebra 2 CP or Geometry CP.

**0443 Physics Honors****Grade 11**

This lecture/lab/demonstration course provides an in-depth study of the topics of mechanics, electricity and magnetism, waves and vibrations, thermodynamics and properties of matter. Relativity and quantum physics will be discussed. Current topics in physics will also be addressed. Critical thinking and problem solving skills are emphasized.

**Prerequisite:** Minimum of 85 in Chemistry H and Algebra 2/Trig H or 93 in Chemistry CP & Algebra 2 CP.

**Pre-calculus or Calculus must be taken concurrently.**

**0466 Physics****Grade 11**

This lecture/lab/demonstration class focuses on the fundamental concepts of mechanics, electricity and magnetism, waves and vibrations, thermodynamics and properties of matter. Current topics in physics will also be addressed. Application of physics principles to daily life is emphasized.

**Prerequisite:** Completion of Chemistry or Chemistry CP and teacher recommendation.

**0454 Food and Nutrition CP****Grades 11 – 12**

This lecture/lab course in biochemistry focuses on the vast world of food and nutrition as it relates to the food science industry. This course is designed to help students understand and integrate knowledge and skills acquired in Biology and Chemistry into the study and exploration of the production, processing, preparation, evaluation and use of foods. Basics of Nutrition are an underlying theme.

**Prerequisite:** Minimum of 80 in CP Biology and CP Chemistry; 90 in Biology and Chemistry with departmental approval

**0446 Introduction to Engineering CP****Grades 11 – 12**

This course is designed for students who are seriously considering a career in engineering. Students learn the foundational principles of engineering practice in the fields of civil, mechanical and electrical engineering, and work on projects to enhance their understanding. Students also learn the professional responsibilities and legal framework for engineering practice. Guest speakers, demonstrations and field trips supplement the course material.

**Prerequisite:** Minimum of 80 in Physics Honors; 85 in Physics CP

**0453 Environmental Science CP****Grades 11 – 12**

This full year lecture/lab course introduces students to principles of environmental science using lecture, lab, technology and projects. Topics include environmental policy, earth systems, population and community ecology, biomes, biodiversity and conservation, human populations, environmental health, soil and agriculture, water, climate change and energy.

**Prerequisite:** Minimum of 80 in Biology (H/CP) and Chemistry (H/CP); 85 in Biology and Chemistry with departmental approval

**0455 Anatomy and Physiology CP****Grades 11 – 12**

This lecture/lab/demonstration course is intended for those interested in careers in health related fields with emphasis on practical applications. Study of medical vocabulary and anatomy and physiology of human systems is the basis of this course. Lab dissection coordinates with the system under study. Students discuss case studies using a workbook and current publications. A summer assignment is required.

**Prerequisite:** Minimum of 80 in CP Biology and CP Chemistry; 90 in Biology and Chemistry with departmental approval

**0447 Anatomy and Physiology Honors****Grades 11 – 12**

This lecture/lab/demonstration course is intended for those interested in careers in medicine, nursing and allied health fields. It involves intensive study of medical vocabulary and the anatomy and physiology of human systems. Lab is primarily dissection based on the systems under study. Discussion of readings and case studies taken from current publications is an essential part of the course experience. A summer assignment is required.

**Prerequisite:** Minimum of 85 in Biology H and Chemistry H; 93 in Biology CP and Chemistry CP

**0450 AP Biology****Grade 12**

This second year course is designed to provide students with an in depth understanding of modern biology and to prepare them for the AP Biology Exam. Concepts, relationships in systems, and methods of analysis are studied and applied to practical situations. Critical thinking and creative problem solving are emphasized. Topics in molecular and cell biology, heredity, evolution, and organismal and population biology are studied. A summer assignment is required. **Lab work may be required during Activity Period.**

**Prerequisite:** Minimum of 85 in Biology H, Chemistry H, and Physics H and departmental approval.

**0435 AP Chemistry****Grade 12**

This second year course is aimed at increasing student mastery of chemistry and preparing students for the AP exam. Topics covered in the previous course (atomic structure, bonding, states of matter, stoichiometry and chemical reactions) will be expanded on. New topics (physical, organic, polymer, and experimental chemistry) will be introduced. Labs are conducted on Tuesday morning beginning at 7:30 through Activity period. Depending on enrollment, this course may be offered online.

**Prerequisite:** Minimum of 85 in Biology H, Chemistry H, and Physics H and departmental approval.

**0470 AP Physics****Grade 12**

This second year course is intended to increase mastery of concepts and problem solving skills to prepare students for the AP exam. Topics include mechanics, electricity and magnetism, vibrations and waves. Depending on enrollment, this course may be offered online.

**Prerequisite:** Minimum of 85 in Biology H, Chemistry H and Physics H and departmental approval.

**WORLD LANGUAGE DEPARTMENT**

*All students must take two consecutive years of the same language at Immaculata High School.*

**0512 Spanish 1 CP****0515 French 1 CP****Grades 9 – 12**

This is a multi-skilled program designed to develop in an interdependent approach, the four basic language skills -- listening, speaking, reading, and writing in order to simultaneously reinforce each skill. The program is student-centered requiring the active participation of the student in cooperation with the varied methods of instruction. Two major objectives of this course are individual proficiency in the communication of the target language and the development of positive attitudes toward the target language culture.

**0522 Spanish 2 CP****0525 French 2 CP****Grades 9 – 12**

The second level continues the objectives of level one -- the individual proficiency of the language, by using the same multi-skills approach to a simultaneous, but increasingly more detailed development of the four basic language skills. As in level one the culture is woven into the daily instruction. Two major objectives of this course remain the individual proficiency in the communication of the target language and the development of positive attitudes toward the target language culture.

**Prerequisite:** Level 1 course or its equivalent. 9<sup>th</sup> grade placement depends on department recommendation.

**0523 Spanish 2 Honors****0526 French 2 Honors****Grades 9 – 12**

This course is offered to students who have demonstrated a high level of proficiency in the skills developed in level one. In addition to the content and objectives described in level 2CP, added emphasis will be placed on understanding and applying more complex structures. The students will be encouraged to interact in the target language.

**Prerequisite:** Minimum grade of 93 in level 1 course and teacher recommendation. 9<sup>th</sup> grade placement depends on department recommendation.

**0532 Spanish 3 CP****0535 French 3 CP****Grades 9 – 12**

The aim of this course is to reinforce structure acquired in the first and second levels and to expand vocabulary through practical implementation of acquired skills. This practical implementation includes improving listening comprehension, pronunciation and writing skills. Emphasis is placed on the student's ability to understand and to speak the target language within the framework of the student's structure and vocabulary levels. Special attention is given to enhance the vocabulary necessary for formal and informal writing and conversational situations in cultural contexts.

**Prerequisite:** Sophomores/Juniors - an average of 80 in Level 2 and Teacher Recommendation; freshmen - Completion of Level 2 course.

**0533 Spanish 3 Honors****0536 French 3 Honors****Grades 10 – 12**

This course is offered to students who have demonstrated a high level of proficiency in skills developed in Levels I and II. In addition to the content and objectives described in Level 3CP, added emphasis will be placed on the application of advanced structure, with special attention to the development of accurate writing skills. The class will be conducted primarily in the target language.

**Prerequisite:** An average of 85 in Level 2H / 93 in Level 2 CP and Teacher recommendation.

**Summer assignment is required.**

**0543 Spanish 4 CP****0546 French 4 CP****Grades 11 – 12**

This course continues the objectives described in Level 3CP with an emphasis on specific vocabulary that will be used to introduce the students to the various genres. The class will be conducted primarily in the target language. In the event there are too few students requesting this level, other scheduling accommodations may be made.

**Prerequisite:** An average of 85 in Level 3 and Teacher Recommendation.

**0542 Spanish 4 Honors****0545 French 4 Honors****Grades 11 – 12**

The aims of this course are the further development of the student's language skills in preparation for higher study. The student is encouraged and guided to read and to discuss the history, literature, art, and contemporary culture of the target language, while continuing with a study of more advanced structure and vocabulary. Emphasis is placed on the student making practical use of the four years of language study. The class will be conducted primarily in the target language.

**Prerequisite:** An average of 85 in Level 3H / 93 in level 3CP and Teacher recommendation.

**Summer Assignment is required.**

**0558 Spanish 5 AP****Grade 11 – 12****0559 French 5 AP**

This course is offered to those students who have demonstrated excellence on the 4 Honors and 4 CP levels. This class is conducted entirely in the target language and the students are encouraged to enhance their communication skills. The students will continue to study advanced structures and the goal is to prepare the students to take the AP exam.

**Prerequisite:** An average of 85 in Level 4H/ 93 in Level 4 CP and teacher recommendation.

**Summer assignment is required.**

**0507 Introduction to Italian Language and Culture****Grades 11-12**

This year-long introductory course in Italian language and culture is offered as an elective to juniors and seniors who have already fulfilled their two-year world language requirement for graduation. Students will learn the most basic communicative skills and will be able to greet people, give personal information, form other simple sentences, and ask questions. Skills are taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing, and proper structures. Students will also be exposed to Italian culture, geography, film, music, and literature in translation. The course is appropriate for those with no previous knowledge of the language.

**BUSINESS EDUCATION / TECHNOLOGY DEPARTMENT****0635 Accounting 1 CP****Grades 11 – 12**

This is an introductory course that will provide students with the opportunity to learn the fundamentals of financial accounting, much like the first semester of college accounting. The complete accounting cycle will be taught for the three types of businesses, proprietorship, partnership and corporation. The student will develop the ability to analyze, record transactions, prepare financial statements and then interpret the results. There will be an emphasis on the importance of automated accounting. Excel will be used to complete accounting problems.

**0655 Accounting 2 Honors****Grade 12**

This course is a continuation of Accounting 1 for students who plan to continue their education in Accounting and/or Business Administration. An in-depth study will be made of corporation accounting, stocks and bonds, managerial accounting, financial accounting, and not-for-profit accounting.

**Prerequisite:** Completion of Accounting 1 and Departmental Approval

**0640 Marketing CP****Grades 11 – 12**

In this full-year course, the student will explore all aspects of marketing—from the producer through distribution channel to the consumer—as well as careers in marketing. Examples from industry publications help relate concepts to familiar products. This course will promote critical and creative thinking, decision making, and communication skills.

**0625 Economics CP****Grades 10 – 12 semester course**

This course will introduce the student to the science of economics, which is concerned with the problem of scarcity, of choice and the allocations of resources. Special attention will be given to the recurrent economic problems of inflation, unemployment, depression and recession. Attention will be given to the Federal Reserve System and the influence on our banking system, the function of money and the influence on our personal lives.

**0652 Business Law CP****Grades 11 – 12 semester course**

This course covers the basic foundations of business law and the current American values and virtues in our society. Law and justice, contracts, property, employment law, forms of business organizations and the law of finance will be introduced. Students will develop a legal vocabulary that helps them to think more analytically and critically and function more confidently in business and college.

**0642 Introduction to Business/International Business CP****Grades 11 – 12**

The course will give students the basic understanding needed to pursue advanced courses in business. The first semester of this course will unlock the mysteries of what businesses are, how they work, and the impact they have on students' everyday lives. Students will learn what steps they can take to prepare for success in their future careers. The second semester of this course will provide the student with the basics of international business. Focus will be on social, cultural, political, and economic factors and will allow the students to see global differences in this area. International finance and economics will be covered.

**0648 Introduction to Computer Programming****Grades 10-12**

This is a year long course designed to introduce the student to the principles of computer programming, with a focus on object-oriented design and implementation. Students will learn how to approach everyday problems and tasks from a programmer's perspective. The class will focus on program design, implementation in JavaScript, algorithm analysis, standard data structures, and object-oriented programming design. Software development principles such as documentation, coding styles and testing principles are covered in this course.

**0647 Computer-Aided Design (CAD)****Grades 11-12 semester course**

This semester long elective is offered to students who are interested in learning computer-aided design for school-related assignments or personal projects. Architects, mechanical engineers, electrical engineers, landscape designers, interior designers, and a host of other professionals have used CAD in recent years to plan, organize and visually communicate their ideas to others. Students in this course explore design principals and the production process needed to develop high-quality CAD documents and renditions. Students first learn to create blueprints, floor plans or schematics of their designs. Attention to detail, precision and accuracy are emphasized. These two-dimensional designs are then converted into three-dimensional renditions using SketchUp. Working both individually and in groups, students develop an understanding of the technology and related design principals needed to produce a variety of CAD-based projects.

**0649 Mobile App Development****Grades 11-12 semester course**

Today's applications are increasingly mobile. Computers are no longer confined to desks and laps but instead live in our pockets and hands. This course teaches students how to build mobile apps for Android, iOS, and Windows 8, the trinity that is today's mobile operating platforms. Students learn to write both web apps and native apps for Android using Eclipse and the Android SDK, to write native apps for iPhones, iPod Touches, and iPads using Xcode and the iOS SDK, and to write web apps for both platforms. The course also touches on Windows 8 application programming, so as to provide students with a stepping stone for application development in the mobile operating system of their choice. Additional topics covered include application deployment and availability on the corresponding app stores and markets, application security, efficient power management, and mobile device security.

*Prerequisite:* Students are expected to have knowledge of HTML, Javascript and CSS.

**0645 AP Computer Science A****Grades 11-12**

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students are strongly encouraged to take the AP Exam in May.

*Prerequisite:* A grade of 85 in Algebra 2/Trig (H) or 85 in Pre-Calculus

**0611 Software Applications****Grade 9 semester course**

This course will give students proficiency in advanced applications of Google Drive, Google Docs, Google Sheets and much more. Students will become proficient in graphing and integration between applications.



## ART DEPARTMENT

### **0722 Art I CP**

**Grades 9 – 12**

This is a survey course through which a variety of media and techniques are experienced. Students will learn about the elements of art, principles of design, art history, aesthetics, and how to conduct a critique. This foundation course will equip, inspire and encourage students to become visually and aesthetically literate. Students in Art One work in a variety of media including: drawing, painting and ceramics. This course is a prerequisite for other year-long Studio-track courses.

### **0710 Art II CP**

**Grades 10 – 12**

This course is designed to cover a variety of assignments in principles of two and three dimensional design as well as experimental graphic arts techniques. These challenges allow for individual growth and creativity in problem solving in areas of advertising, illustration, graphics, sculpture, and product design. These projects are also geared to help create a strong student portfolio.

**Prerequisite:** Completion of Art I

### **0711 Cultural Ceramics**

**Grades 11 – 12 semester course**

All societies depend on the earth for their survival. By carefully using earthen materials to express themselves and the beliefs of their culture, people worldwide and throughout time have created ceramics. Students in this class, through the creation of their own ceramic pieces, will discover and interpret some of these diverse cultures. Students will learn basic methods and procedures of hand building with clay to create objects inspired by the past and representing the artist within themselves.

### **0712 Cultural Crafts**

**Grades 11 – 12 semester course**

This craft course will be based on the exploration of different cultures and their indigenous craft traditions. The students will investigate the craft and its history and then apply their own creative skills to works of their own inspired by their research. Students will learn techniques in batik, weaving, jewelry making, leather craft and rug making. Creative involvement is stressed. As interests become evident, other crafts will be included.

### **0736 Digital Photography**

**Grades 11 – 12 semester course**

This semester course is an introduction to the technical functions, practical applications, and creative art of digital photography. Students will study and apply composition principles, visual mass, lighting techniques and exposure, investigations of symbolism and subject matter, photojournalism, and post processing for special effects projects. Creative projects are based on themes such as morphing, cloning, surrealism, social justice, current events, color theory, and traditional portraiture. Photographic mobile device applications and their advantages are also explored, as well as *Adobe Photoshop* software as an enhancement and digital effects tool.

### **0715 Animation**

**Grades 11 – 12 semester course**

This semester course is an introduction to 2-dimensional and 3-dimensional animation techniques including hand-drawn, sculpted, and computer generated techniques. Pixar and DreamWorks animated films, as well as video game design, serve as inspiration for exploration of open-source software programs and many others available in the computer studio. Students in the past have completed their own stop-motion videos, claymations, video games, animated films, 3-D characters, and competed in design competitions with great success and national acclaim.

### **0730 Videography**

**Grades 11 – 12**

Join the “action” that spans the gamut of the entertainment industry and video production! Create original movies and music videos using professional cameras, equipment, and special effects. Take part in a television network program to produce documentaries, interviews, and broadcasting content. Projects in this course are hands-on and collaborative, with full access to the editing and post-production computer studio. Students will gain experience with multimedia communications by producing TV, Internet, and radio pieces for our school community and local news affiliates.

**0735 Digital Design****Grades 11 – 12**

Create highly realistic special effects on photos and text as seen on Hollywood movie posters and CD covers. Make t-shirt and clothing designs, morph and manipulate original creatures and characters, as well as superheroes and cartoons. We will use Adobe Photoshop and Adobe Illustrator software.

**0740 Independent Art Study****Grade 12**

This year long course is specifically geared to senior students who will be applying to college and majoring in the visual arts and/or design. Focus the first semester will be placed on subject specific portfolio development and independent study in the focus area of the student. Second semester will focus on theme based projects to be presented at the Festival of the Arts in May. Students approved for this course by the department are required to have an advanced knowledge of and ability to render accordingly, the fundamental elements and principles of art and/or design. This course is not designed to educate in these areas. Teacher recommendation is required.

**0744 AP History of Art and Civilization****Grade 12**

AP Art History is a college level course designed to provide the student with an understanding and enjoyment of architecture, sculpture, painting and other art forms with historical and cultural contexts. Students examine major forms of artistic expression from the past and present and from a variety of cultures. They learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. No prior exposure to art history is required. However, students who have done well in other courses in the humanities, such as history and literature, or in studio art are especially encouraged.

**Prerequisite:** Honors and College Prep students who have achieved at least a 93 average in upper level English or Humanities courses or Teacher Recommendation.

**MUSIC DEPARTMENT****0813 Freshman Band****Grade 9**

This is the only band option for freshmen. Band is a course for instrumental students that enjoy their study of music through performance in ensembles. The course is designed with three components: Music Theory/History, Instrumental Method, and Instrumental Ensemble. Students are members of the Band program and, to the extent possible, are scheduled for a technique lesson one lunch period in the cycle. All members are eligible for membership in Marching Band and other co-curricular small ensembles. Students are required to attend pre-concert rehearsals (after school/evening) in addition to their own daily practice. Participation and performance in concerts is required.

**Prerequisite:** Department Approval/ Meeting with student.

**0831 Symphonic Band II, III, IV CP****Grades 10 – 12**

Band is a course for instrumental students that enjoy their study of music through performance in ensembles. The course is designed with three components: Music Theory/History Instrumental Method, and Instrumental Ensemble. Students are members of the Band program, and to the extent possible, are scheduled for a technique lesson one lunch period in the cycle. All members are eligible for membership in Marching Band and other co-curricular small ensembles. Students are required to attend pre-concert rehearsals (after school/evening) in addition to their own daily practice. Participation and performance in concerts is required.

**Prerequisite:** Department approval after successful completion of January exam

**0840 Wind Ensemble II, III, IV Honors****Grades 10 – 12**

Wind ensemble is a course for advanced instrumental students with a high level of musical achievement. The course is designed with three components: Music Theory/History, Instrumental Method, and Instrumental Ensemble. Students are members of the Band program. All members are eligible for membership in Marching Band and other co-curricular small ensembles. Students are required to attend pre-concert

rehearsals (after school/evening) in addition to their own daily practice. They also have to prepare the Region solo piece. Participation in Region Band will be determined by the department faculty.

**Prerequisite:** Department approval after successful completion of January exam

### **0823 Concert Choir Honors**

**Grades 10 - 12**

This is an advanced level performance course. It is designed for students that are serious about the vocal arts. In addition to performing at school concerts (winter and spring), the Honors Chorus will perform for various school and community functions. Some after school rehearsals/trips may be required. Participation in rehearsals and performance in concerts is required. Students also have to prepare the Region Choir Audition Materials. Participation in Region Choir will be determined by the department faculty. Students also must participate in Spartan Choir (after school on Mondays).

**Prerequisite:** Department Approval/Audition

### **Spartan Choir**

**Grade 9, 10, 11, 12**

This is an entry level choir for those students who enjoy singing and would like to advance their singing abilities in a comfortable environment. The Spartan Choir studies and performs a wide range of vocal literature encompassing a variety of choral forms, styles, historical periods and cultures. The program is designed to give students instruction in diction and vocal production within the context of individual and ensemble work. Students in this choir will sing in the Christmas Concert, Spring Concert, various service events (nursing homes and senior centers), and will have the opportunity to audition for NJ Region and All-State Chorus. Rehearsals for this Choir are every Monday of the school year from 3-4:30pm. Participation in this choir can advance students to the Concert Choir Honors (department approval is needed) and/or Chamber Choir (audition-only choir, department approval also needed.)

**Note: This course meets outside of school hours and is graded using a pass/fail system based on attendance and participation. It is not included in a student's GPA.**

### **0805 Music in Film**

**Grades 11 – 12 semester course**

This class is a semester course, designed for all students regardless of if they have taken a music course or not, that combines a historical and chronological approach to the study of film music and sound with an emphasis on building listening skills. Through engaging, accessible analyses and exercises, this course covers all aspects of the subject, including how a soundtrack is assembled to accompany this visual context, how music enhances the form and style of key film genres, and how technology has influenced the changing landscape of film music.

### **0842 Fundamentals of Musicianship for College Bound Music Majors Honors**

**Grades 11 – 12**

This course explores theoretical aspects of music: notation, harmony, style, history and composition. The course also teaches introductions to music technology. The course is designed to prepare students for college music programs and auditions.

**Prerequisite:** Department Approval

### **0854 Independent Music**

**Grades 11 - 12**

This course demands of students a great deal of self-discipline, motivation, and an ability to work with minimal amount of staff support. Among the activities that students would be involved in: Audition for CJMEA Region Band or Chorus.

**Prerequisite:** Department Approval

### **0860 AP Music Theory**

**Grades 11-12**

This full year course will provide the student with the equivalent of a college level music theory course in the study of musical materials, structure, and style. It will integrate melodic, harmonic, textural, rhythmic, and formal aspects of music through musical reading, notation, composition and active musical listening. The student's understanding of music history and style will be enhanced by the selection of course materials from the widest possible variety of musical periods, genres, and media. Students are encouraged to take the AP exam in May.

**Prerequisite:** Department Approval and minimum of 93 in instrumental music if applicable. Students not in instrumental music will have to take a theory exam as a prerequisite.



## PHYSICAL EDUCATION DEPARTMENT

### **Physical Education**

**0917M – 0918F Grade 9 Physical Education**

**0928M – 0929F Grade 10 Physical Education**

**0931M – 0932F Grade 11 Physical Education**

**0941M – 0942F Grade 12 Physical Education**

The planned four-year physical education program is designed to assist the students in achieving and maintaining a desirable level of physical fitness. It strives to promote an understanding of the relationship between regular physical activity and health. The program provides sports, games, and various physical activities that promote self-confidence, the ability to work within a group, mutual respect, and a competency for participation in lifetime sports.

### **0910 Health I**

#### **Grade 9 semester course**

The freshmen health curriculum encourages students to stay drug free by supplying them with accurate information about the effects of alcohol, tobacco, and drugs on their health and the health of others. In addition, the course show students how to resist peer pressure to use drugs and encourages them to participate in healthy alternatives to drugs.

### **0920 Driver Education**

#### **Grade 10 semester course**

All students receive instruction in driver education. Classroom instruction includes topics like mental attitudes and physical characteristics related to driving, the effects of motor vehicle on modern life, laws and regulations affecting the use of cars, the characteristics of streets and highways, understanding the automobile and its maintenance, developing driving skills like the responsibility of driver for safety, and a competency test at the conclusion of the course.

### **0930 Health III**

#### **Grade 11 semester course**

Junior health emphasizes the importance of safety, first-aid, and CPR. The course is designed to help students acquire the knowledge and skills needed to effectively respond to emergency situations. The class also incorporates both indoor and outdoor safety precautions and accident prevention information.

### **0940 Health IV**

#### **Grade 12 semester course**

The senior health curriculum provides information on communicable sexually transmitted diseases and the high risk behaviors that contribute to their prevalence in today's society. The course is abstinence based and includes discussions on personal relationships and prevention techniques. The endocrine system as well as the male and female anatomy is also discussed.