

2022-2023 Course Catalog

The profile of the graduate describes the characteristic of intellectually competent.

At graduation, the Jesuit student will have experienced a curriculum designed to open him to the richness of his own intellect, as well as to the world of nature and man. The Jesuit course of studies has introduced him to the various disciplines which define a person of learning. The academic rigor characteristic of Jesuit education has demanded that he attain a considerable level of proficiency in these disciplines. All the academic structures of Jesuit College Preparatory School have assisted the student in discovering himself as an individual of reason, education, and culture. He has recognized the value of knowledge as perfecting the uniquely human aspect of his being.

Course Request Process:

- Step 1: Teachers make recommendations for students based on their semester 1 grade and overall progress towards course objectives. (January/February)
- Step 2: Students discuss goals with counselors, review course recommendations, and finalize course requests in RangerNet. (February)
- Step 3: Requests are approved and schedules are created (spring/summer)

Graduation Requirements for Classes of 2023-2026:

- Theology: 4 credits
- English: 4 credits
- Language: 3 credits in same language
- Physical Education: 1 credit
- Social Studies: 4.5 credits (including Rhetoric and Civics and Social Justice and Public Policy)
- Mathematics: 4 credits
- Science: 4 credits
- Computer Science: 1 credit
- Fine Art: 1 credit

All courses at Jesuit Dallas are college preparatory. All courses aim to challenge students through a rigorous curriculum with opportunities for critical thinking and problem solving opportunities. Honors and AP courses are designed for students who have a passion in a subject and are willing to put in extra time and dedication to explore the subject on a deeper level. Students should be prepared to take initiative, apply new material to prior concepts, and seek challenges. Students taking AP courses are expected to take the AP exam for the designated course in May.

Recommendation and initial placement in an honors or AP course is dependent on Semester 1 Grades.

- Students who earn a semester one grade of 85% or higher in the current honors or AP course are automatically accepted into the honors or AP course for the following year. Second semester grades below an 85% will result in a review of placement.
- Students who earn a semester one grade of 95% or higher in an on level (college preparatory level) course qualify to move to the honors or AP level in the following year. Second semester grades below a 90% will result in a review of placement.
- Students earning an 80%-84% in an honors or AP course, or an 85%-94% in an on level (college preparatory level) course are eligible to apply for placement in the honors/AP course the following year. Placement will be based on teacher observation and grade progression.
- Note: Students not maintaining an average of an 80% or higher in a Honors or AP class may be transferred to a regular section at the end of the first semester.

Discipline Specific Placement Notes

English	
Honors English 1	Freshmen students will be placed based on their scores on the Verbal Aptitude and Reading Comprehension portions of the ISEE, and information from their application.
Honors English Seminar	An application process is required for admission into Honors English Seminar. See the instructor for this course or your guidance counselor for an application, including deadlines.
Students in on-level wishing to add Honors/AP English for subsequent year	Students should sit for a timed writing prompt. Students should speak with their current teacher about the process. Deadline for completing this process is the conclusion of course selection.
Language	
AP Spanish	Students may enter AP Spanish from Honors Spanish 3 with a grade of 95% or higher or from honors Spanish 4 with a grade of 85% or higher.
Math	
Students wishing to double track will need to obtain departmental recommendation through their current teacher.	
Incoming students	Placement is based on the ALEKS placement test and ISEE.
All Honors or AP courses	Students must meet grade requirements (noted above) for all previous classes in Math. Students may be asked to sit for placement assessment if not meeting placement requirements and/or teacher recommendation.
AP Statistics	Students with an 85% or higher in the first semester of Algebra 2, a 90% or higher in Algebra 2/Trig, or an 80% or higher in PreCalc or honors PreCalc
AP Calculus	AP Calculus BC will follow the outlined standard requirements. Students with an 80% or higher in PreCalc or 70% in Honors PreCalc will be accepted into AP Calculus AB.
Science	
Honors Biology	Placement is based on the ISEE subsection scores.
Honors Chemistry	Semester 1 math grades and teacher recommendation are considered for placement.
AP Physics all levels	Semester 1 math grades and teacher recommendation are considered for placement.
AP Physics C	Concurrent enrollment in Calculus is required.
AP Environmental Science	Open enrollment for juniors and seniors.
Social Studies	
AP World History	Students must meet the following requirements: <ul style="list-style-type: none"> • Cumulative GPA of 90% or higher • Semester 1 grade >90% in English 1 or >85% in Honors English 1 • Rhetoric and Civics grade >90% and teacher recommendation • Successful completion of AP World History Placement Test <ul style="list-style-type: none"> ○ Students who request AP World History before the 2/24 deadline will be provided details about the placement test.
AP Human Geography; AP European History; AP Comparative Government; and AP Psychology	Open enrollment for seniors

Counseling Department

093 Health Seminar

Description: The central aim of Health Seminar: provide a forum for wellness education through the lens of Ignatian values - brotherhood, commitment, and integrity. The course comprises the following topics: personal goals and self-care, identifying school and outside resources to care for self and to help others, social/emotional/mental wellness during high school, managing stress, anxiety, and resiliency, academic integrity and pressures, proper nutrition, sleep, and physical care, alcohol/drug education, healthy social interaction including co-ed events and activities, appropriate use of technology and social media, consequences of pornography and online sexual activity, facts of law, communication skills, and conflict resolution. (.5 credit)

Department: Counseling

Level: College Preparatory

Pre-requisites: Freshmen status

Other Notes: Required of all students for graduation; Pass/Fail

Theology Department

113 Old Testament Scripture

Description: This course explores the Hebrew Scriptures (Septuagint Canon) as the partial record of the religious interpretation of God's actions in the history of humanity, beginning with the Jewish people. Students will come to understand and appreciate the wisdom, diversity and unity of these writings as the final authors and editors assembled their revelations of God. To prepare them for their future study of Christianity's additional scriptural revelation, students will be aided by a study of Ignatian spirituality and a general introduction to key Christian concepts. (1 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Freshman status

Other Notes: N/A

125 Mission and Church

Description: The purpose of this course is to invite sophomore students to explore the Gospels, foster a better understanding and personal relationship with Jesus Christ, who invites them to discover the call of Christian discipleship. Students will understand the values of the Gospels, the institution of the Catholic Church and her mission for social justice, all of which support the students' reflection and analysis of how they are called to be a disciple in the world today. (1 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Sophomore status

Other Notes: N/A

136 Sacraments, Morality & Justice (Dual Credit Available: 6 SLU/College credits)

Description: This is an introductory philosophical theology course that will trace the development of Christian thought from the foundations of ancient Greek philosophy to the development of modern theology. Students will come to understand the sacramental nature of the church from both a theological and philosophical lens. Through the Church and its sacraments students will understand that they can encounter Christ today in a real way, especially through the Eucharist. The student is assisted in achieving a better awareness and understanding of the nature and meaning of Christian morality, particularly within a Catholic Christian context, in order to assist them in

making better and wiser moral judgments. The intention of this course is to help students to live their convictions through thought and action. Emphasis is placed on those tools necessary to make moral decisions. Building upon the student's background in morality, the young adult is exposed to the complexities of global economic and social systems. (1 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: This course is available for dual-credit through SLU. Students wishing to pursue dual-credit must meet [eligibility requirements](#), including a 3.0 cumulative GPA.

185 Catholic Social Teaching: Peace & Conflict

Description: This course is intended to advance students' study of social justice and Catholic Social Teaching (CST), with particular focus on the themes of Peace (making) and Conflict. Students will orient their examination in the person of Jesus Christ and his call to peace and justice in the Gospels. Students will explore how this message of social justice is advanced through the Catholic Church's history, social thought, and doctrine. The course will guide students into an informed and thoughtful examination of historical and current events marking episodes of war and conflict and engage the learner in considering the just social and economic conditions that may help prevent and reconcile the effects of war and conflict in our world. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Fall Semester Only

187 Catholic Social Teaching: Economics

Description: This one semester senior elective provides an introduction to the main principles of Catholic Social Teachings (CST). It attempts to explore through discussion the official teaching of the church and historical trends that have shaped CST. The central focus will be on issues concerning economic justice, with a particular focus on the Church's teaching concerning the "preferential option for the poor." In a statement published by the USCCB in 1996, they suggest that the moral measure for a healthy economy depends primarily on how its poor are faring. It is in that spirit that this course will challenge students to evaluate economic success through a communal lens with concern for the mutual well-being of all members of society. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Fall Semester Only

182 Catholic Social Teaching: Environmental

Description: The purpose of this course is to advance students' study of social justice and Catholic Social Teaching (CST) with a particular focus on the Environment. Students are to learn how Christ's concern for others, is reflected in caring for God's creation, the benefits and detriments impact on humanity, in particular the poor and needy, is present today in the Church's social teaching and mission. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Fall Semester Only

147 Christian Relationships

Description: The emphasis in this course is to pursue the meaning of the commandment "love one another" and to more fully understand the theological belief that "God is Love." Our humanness, centered on our call to love as Christ loved, is understood through our relationship to self, to others and to God. Main topics examined in this course include: self-awareness and understandings needed for human growth and maturity; recognition and exploration of the ways in which humanity may need to achieve that self-awareness and understanding, in order to live in the world as called by the Catholic Church; friendship and the physical, psychological and social differences in being male or female in a relationship, as well as the societal structures which help and hinder those differences; forms and functions of love and the totality of human sexuality as a way of being fully human in this world; the ideal and viability of the family in contemporary society; vocations as the envisioned experience of Catholic Church for living in the world and working towards building the Kingdom of God. The units that explore these themes are: The Self, Friendship, Love and Sexuality, Family, "Father". (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Spring and Summer Only

167 Interreligious Dialogue

Description: The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. The course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Spring and Summer Only

177 History of the Catholic Church

Description: The Catholic Church has been both influenced and influences the development and growth of society and culture. Great religious, clerical and lay leaders' contributions include the solar calendar, the rise of the great cathedrals, towns, and literacy. Grand ideas focused on change; the sweep of Christianity throughout the West, Feudalism, the Crusades, the rise of merchant guilds, labor unions, hospitals, schools, and social justice are all aspects of the Church's contribution to Western society and culture. History reveals how these grand ideas came about, their successes and their failures. Each movement is a direct reflection of the Church's institutional growth as a religious and political power. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Spring and Summer Only

English Department

212 English 1

Description: This is a foundation-building course. There are three main areas of study: grammar, literature, and composition. There is a comprehensive review of grammar on the freshman level. Students are quizzed over grammatical rules and are asked to apply usage rules to their writing. Students read many works of literature, covering all the genres. Students read short stories, several novels, essays, plays, and poems. Sentence structure and paragraph development are the primary focus of the students' writing. Besides writing different types of paragraphs, students write essays and critical papers over what they read. (1 credit)

Department: English

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

213 Honors English 1

Description: Honors English 1 introduces freshmen to the essential intellectual movements of reading, writing, and associative thinking, movements they will practice and hone over the course of their high school education in English. Its syllabus comprising literary classics (Homer, Shakespeare, Steinbeck, and others), the course begins the student's initiation into the world of ideas that have defined Western culture. He discovers his own analytical voice along the way, learning to express and support interpretive claims about the literary text. (1 credit)

Department: English

Level: Honors

Pre-requisites: Placement is based on ISEE scores

Other Notes: N/A

224 English 2

Description: English 2, the sophomore English course, builds upon the foundation of reading, writing, and associative thinking skills introduced during freshman year. Students discover classic literary works whose ideas have shaped our culture, such as *The Great Gatsby*, *Othello*, *Twelve Angry Men*, and the short stories and poems of Twain, O'Connor, Hawthorne, Faulkner and other writers. They acquire a deeper understanding of the literary genres of tragedy and comedy, and basic knowledge of rhetorical analysis. Finally, through several essay assignments, in-class activities, and writing conferences, they repeatedly practice expository writing and receive immediate feedback, helping them internalize the movements of the writer. (1 credit)

Department: English

Level: College Preparatory

Pre-requisites: Sophomore status

Other Notes: N/A

225 Honors English 2

Description: In addition to the material covered in English 2, Honors English 2 continues the work begun in Honors English 1. Close reading and writing assignments are more rigorous and students concentrate on American literary themes. (1 credit)

Department: English

Level: Honors

Pre-requisites: Sophomore status

Other Notes: See Criteria for Honors and AP Courses for details

235 AP Literature and Composition (Dual Credit Available: 6 SLU/College credits)

Description: This course follows the theoretical structure of English 3. Supplemental readings include established literary classics, which provide students an opportunity to read texts closely, examining how diction, imagery, details, language, and sentence structure affect meaning and tone. Students work throughout the year mastering these skills of literary argument both in oral form and in written form. Written work primarily includes demonstrating mastery of the literary argument, positing a sophisticated thesis for one thousand to two thousand word essays. By May, the student should be prepared to succeed on the AP Literature & Composition exam. This course will include a summer reading/writing assignment. (1 credit)

Department: English

Level: Advanced Placement (AP)

Pre-requisites: Junior status

Other Notes: See Criteria for Honors and AP Courses for details. This course is available for dual-credit through SLU. Students wishing to pursue dual-credit must meet [eligibility requirements](#), including a 3.0 cumulative GPA.

236 English 3

Description: Junior English explores the major literary works and periods of British literature: Great Expectations, The Canterbury Tales, Frankenstein; Shakespeare, the Romantic Age, and the Victorian Age. Class activities, discussion, and assigned reading of basic literary criticism encourages students to identify the larger genre patterns of epic, tragedy, comedy, and lyric. In addition, students concurrently develop analytical writing skills, primarily positing a literary thesis and defending it in an organized essay with well-elaborated, coherent paragraphs made up of intense sections of precise analytical chunks. Writing topics are literary and at times incorporate secondary research material. Moreover, the study of grammar and vocabulary is used as a means to improve and comment on writing style and sentence structure, exploring a more sophisticated understanding and use of language. (1 credit)

Department: English

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: N/A

247 AP Lang. & Comp.

Description: This course prepares students to take the College Board's AP Language and Composition exam. The course content examines the rhetorical strategies used to communicate some of the central philosophical ideas of Western culture; we will explore this thinking primarily through the reading of the nonfiction essay, but also investigate some forms of fiction—drama, short story, and poetry. Writing assignments focus on the close reading of texts and communicating how those texts produce ideas. This course includes a summer reading/writing assignment. (1 credit)

Department: English

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

252 English 4, Southwest Literature

Description: Using college level texts and film, students study significant literature emerging out of the southwest region of the United States. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences. The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level. (1 credit)

Department: English
Level: College Preparatory
Pre-requisites: Senior status
Other Notes: N/A

253 English 4, Non-Fiction

Description: Using college level texts and film, students study culturally and historically significant works of non-fiction. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences. The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level. (1 credit)

Department: English
Level: College Preparatory
Pre-requisites: Senior status
Other Notes: N/A

254 English 4, World Literature

Description: Using college level texts and film, students study literature from around the world, focusing on Africa, Asia, and Latin America. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences. The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level. (1 credit)

Department: English
Level: College Preparatory
Pre-requisites: Senior status
Other Notes: N/A

255 English 4, Modern American Literature

Description: Using college level texts and film, students study various genres, exploring literary contributions in the United States after 1950. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences. The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level. (1 credit)

Department: English
Level: College Preparatory
Pre-requisites: Senior status
Other Notes: N/A

257 Honors English Seminar

Description: The Honors Senior English Seminar is concerned with creative growth and is based on the assumption that the act of thinking and creating makes living enjoyable and worthwhile. The Seminar encourages the student to recognize his individual viewpoint and to value the process of his own intellectual growth. The teacher serves as a guide and resource for those engaged in discussing and grappling with the complex issues of their culture in a

spirit of collaboration. The course is concerned with examining significant works of contemporary literature and other art forms. In addition, the student presents a Seminar Project at the end of the year, one that has engaged his interest and concentration for several months. (1 credit)

Department: English

Level: Honors

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

Language Department

312 Latin 1

Description: The first Latin course provides students with a solid grounding in Latin grammar, syntax, and vocabulary. They will use this knowledge to read simple Latin texts about Roman life, history and mythology. Students will broaden their English vocabulary and deepen their understanding of both the Latin and English languages. They will also gain an understanding of Classical civilization that will enrich their knowledge of literature, history, philosophy, theology, and art. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: Placement test

Other Notes: N/A

313 Honors Latin 2

Description: Honors Latin 2 requires diligence, organization, attention to detail, and exemplary study skills as we delve into complex variations of the Latin language and its usages. Honors Latin 2 begins with a review of material from Latin 1. The Honors Latin 2 course is designed around Latin readings that continue to introduce students to vocabulary, grammar and Roman culture, history, and mythology. Students will expand their vocabulary and begin to learn more complex and detailed grammar. All students will be expected to come prepared to memorize the material that is required to read and write Latin sentences. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 312 Latin 1

Other Notes: See Criteria for Honors and AP Courses for details

314 Latin 2

Description: Latin 2 begins with a thorough review of material from Latin 1. The Latin 2 course is designed around Latin readings that continue to introduce students to vocabulary, grammar and Roman culture, history, and mythology. Students will expand their vocabulary and begin to learn more complex grammar. All students will be expected to come prepared to memorize the material that is required to read and write Latin sentences. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 312 Latin 1

Other Notes: N/A

315 Honors Latin 3

Description: Honors Latin 3 requires diligence, organization, attention to detail, and exemplary study skills as the class delves into complex variations of the Latin language and its usages. Honors Latin 3 begins with a review of material from Honors Latin 2 followed up with additional grammar lessons concerning complex sentence forms and structures. Short readings from authentic classical Latin texts will be introduced in the second semester. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 313 Honors Latin 2

Other Notes: See Criteria for Honors and AP Courses for details

316 Latin 3

Description: Students in Latin 3 will continuously reinforce previously acquired syntax, grammar, and vocabulary as they become familiar with Latin literature. Latin 3 begins with a review of material from Latin 2 followed up with additional grammar lessons concerning complex sentence forms and structures. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 314 Latin 2

Other Notes: N/A

317 Honors Latin 4

Description: Honors Latin 4 is an advanced course given over completely to reading and studying ancient Roman authors and their culture through their literature. Students who enroll in Honors Latin 4 will have a strong grasp of the Latin language, having already studied Latin for at least three years. In this course, students will read and analyze Latin texts such as Vergil's Aeneid, Ovid's Metamorphoses, Caesar's De Bello Gallico, etc. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 315 Honors Latin 3 or teacher recommendation from 316 Latin 3

Other Notes: See Criteria for Honors and AP Courses for details

320 Spanish 1

Description: This course is for students who have had very little to no formal instruction in Spanish. Emphasis is on building everyday vocabulary through significant reading and oral production, as well as formation of correct pronunciation habits. In addition to grammar and vocabulary concepts, students are introduced to the cultures of the Spanish speaking world and how they compare to one's personal community. During the course of this process, they are able to develop the necessary skills to communicate, explore, and connect across cultures. As the year progresses, students expand their language proficiency through listening, speaking, reading and writing activities. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: Placement test

Other Notes: N/A

322 Spanish 1

Description: This course is for students who have had a limited degree of formal instruction in Spanish. Emphasis is on building everyday vocabulary through significant reading and oral production, as well as formation of correct pronunciation habits. In addition to grammar and vocabulary concepts, students are introduced to the cultures of the Spanish speaking world and how they compare to one's personal community. During the course of this process, they are able to develop the necessary skills to communicate, explore, and connect across cultures. As the year progresses, students expand their language proficiency through listening, speaking, reading and writing activities. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: Placement test

Other Notes: N/A

323 Honors Spanish 2

Description: The Honors Spanish 2 curriculum is much the same as that of 324 Spanish 2, but expectations of student performance are heightened. Building on the foundations learned in Spanish 1, higher-level thinking skills are incorporated into more advanced contextualized speaking, listening, reading and listening scenarios that aid in communicative proficiency. The makeup of honors classes are such that one generally sees higher levels of intrinsic motivation to acquire proficiency in a second language as well as increased retention of learned material. Grammar and vocabulary are applied to the exploration of cultural traditions, practices and products of the Spanish-speaking world that aid students in becoming intercultural citizens of the world around them. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 320 or 322 Spanish 1

Other Notes: See Criteria for Honors and AP Courses for details

324 Spanish 2

Description: Building on the foundations learned in Spanish 1, higher-level thinking skills are incorporated into more advanced contextualized speaking, listening, reading and listening scenarios that aid in communicative proficiency. Grammar and vocabulary are applied to the exploration of cultural traditions, practices and products of the Spanish-speaking world that aid students in becoming intercultural citizens of the world around them. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 320 or 322 Spanish 1

Other Notes: N/A

325 Honors Spanish 3

Description: The Honors Spanish 3 curriculum is much the same as that of 326 Spanish 3, but expectations of student performance are heightened. This course builds on the advanced contextualized grammar and vocabulary learned in second-year Spanish. The makeup of honors classes are such that one generally sees higher levels of intrinsic motivation to acquire proficiency in a second language as well as increased retention of learned material. Students' use of Spanish increases as they practice communication skills and explore the cultural practices and products of the Spanish-speaking world. Students will compare and analyze current social practices such as social media, healthy lifestyles and environmental sustainability. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 324 Spanish 2 or 323 Honors Spanish 2

Other Notes: See Criteria for Honors and AP Courses for details

326 Spanish 3

Description: In this course, concepts and skills acquired in levels 1 and 2 serve as a foundation for investigating more advanced vocabulary themes and grammatical structures and for working toward greater language proficiency in all four modes of communication. Students' use of Spanish increases as they practice communication skills and explore the cultural practices and products of the Spanish-speaking world. Students will compare and analyze current social practices such as social media, healthy lifestyles and environmental sustainability. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 324 Spanish 2 or 323 Honors Spanish 2

327 AP Spanish Language & Culture

Description: The Advanced Placement Spanish Language course emphasizes the use of language for active communication. As such, the class will be conducted exclusively in Spanish as students and the instructor communicate with one another. The course objectives are: 1) the ability to understand spoken Spanish in various contexts, 2) the continued development of an ample Spanish vocabulary, especially as it relates to the six themes of the course, and 3) the ability to express oneself in Spanish both in speech and in writing, coherently, resourcefully, and with reasonable fluency and accuracy. Many class activities will be designed to practice the AP Spanish test format, with additional lessons and units involving poetry and Spanish short stories. (1 credit)

Department: Language

Level: Advanced Placement (AP)

Pre-requisites: 325 Honors Spanish 3 or 329 Honors Spanish 4

Other Notes: See Criteria for Honors and AP Courses for details

328 Spanish 4

Description: This course, conducted almost exclusively in Spanish, advances students' proficiency levels by improving the comprehension skills of reading and listening and the productive skills of speaking and writing. The course deepens students' exploration of cultural traditions, practices and products of the Spanish-speaking world that aid them in becoming intercultural citizens of the world around them. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 326 Spanish 3 or 325 Honors Spanish 3

Other Notes: N/A

329 Honors Spanish 4

Description: This course, conducted almost exclusively in Spanish, advances students' proficiency levels by improving the comprehension skills of reading and listening and the productive skills of speaking and writing. The course deepens students' exploration of cultural traditions, practices and products of the Spanish-speaking world that aid them in becoming intercultural citizens of the world around them. Many of the activities are designed to prepare students for the format of the AP Spanish Language and Culture class. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 325 Honors Spanish 3

Other Notes: See Criteria for Honors and AP Courses for details

331 Honors Spanish 3, Heritage Learner

Description: This class is offered for students who are heritage or native speakers. A heritage student comes from a home where Spanish is predominantly used and has therefore learned language skills at home or outside of school. The curriculum of this course closely mirrors that of Honors Spanish 3, but this class dedicates extra attention to writing skills, spelling, and how to use appropriate register and formality for the scenario at hand. Course content includes: essential reading, everyday conversations, pronunciation/dictation skills, analysis of grammar, writing skills, ability to express opinions and hold advanced conversations in Spanish. Students explore Hispanic cultural traditions, practices and products to aid them in identifying their place within the larger Hispanic community. (1 credit)

Department: Language

Level: Honors

Pre-requisites: Freshman placement test or 324 Spanish 2 or 323 Honors Spanish 2

Other Notes: See Criteria for Honors and AP Courses for details

332 French 1

Description: This course is for students who have had little or no formal instruction in French. Emphasis is on building everyday vocabulary through significant reading and oral production, as well as formation of correct pronunciation habits and phonetics. In addition to grammar and vocabulary concepts, students are introduced to the francophone cultures and how they compare to one's personal community. As the year progresses, students expand their language proficiency through listening, speaking, reading, and writing activities. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: Placement test

Other Notes: N/A

333 Honors French 2

Description: The Honors French 2 curriculum is much the same as that of 334 French 2, but expectations of student performance are heightened. This course builds on the advanced contextualized grammar and vocabulary learned in first-year French, plus higher-level thinking skills which are incorporated into more advanced contextualized speaking, listening, reading and listening scenarios that aid in communicative proficiency. The makeup of honors classes are such that one generally sees higher levels of intrinsic motivation to acquire proficiency in a second language as well as increased retention of learned material. Students' use of French increases as they practice communication skills and explore the cultural practices and products of the French-speaking world. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 332 French 1

Other Notes: See Criteria for Honors and AP Courses for details

334 French 2

Description: During the French 2 year, there is significant vocabulary expansion in contextualized situations, as well as presentation of major grammatical concepts in context. Students build their language proficiency through listening, speaking, reading, and writing activities. Grammar and vocabulary are applied to the exploration of cultural traditions, practices and products of the French-speaking world that aid students in becoming intercultural citizens of the world around them. Emphasis continues to be placed on oral production and comprehension with students producing conversations, spontaneous and/or scripted, as well as projects. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 332 French 1

335 Honors French 3

Description: The Honors French 3 curriculum is much the same as that of 336 French 3, but expectations of student performance are heightened. This course builds on the advanced contextualized grammar and vocabulary learned in second-year French. The makeup of honors classes are such that one generally sees higher levels of intrinsic motivation to acquire proficiency in a second language as well as increased retention of learned material. Students' use of French increases as they practice communication skills and explore the cultural practices and products of the French-speaking world. Students will compare and analyze current social practices such as social media, healthy lifestyles and environmental sustainability. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 333 Honors French 2

Other Notes: See Criteria for Honors and AP Courses for details

336 French 3

Description: The French 3 student is on the threshold of holding spontaneous conversations using everyday vocabulary. The review of previously-learned grammar concepts is combined with exceptions, details and new vocabulary to produce longer oral and written discourses. Students continue to build their language proficiency through listening, speaking, reading, and writing activities. Emphasis continues to be placed on conversations, spontaneous and/or scripted, as well as connecting with other cultures. Students' use of French increases as they practice communication skills and explore the cultural practices and products of the French-speaking world. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 334 French 2

Other Notes: N/A

338 AP French Language & Culture

Description: AP French Language and Culture is designed to train students in the interpersonal, interpretive, and presentational aspects of communication. The six themes of the AP French Language and Culture course are: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. This course is designed to increase the fluency and level of sophistication with which students express themselves in French, and develops their ability to understand the language and the cultures of the French-speaking world. The class is conducted in French and students must express themselves in French. This course includes advanced grammar topics, practice in narrative and expository writing, reading comprehension, listening comprehension, and extemporaneous speaking. Students analyze, reflect on, and discuss contemporary issues. They read Francophone literature through the centuries, and write essays and reviews. They study Francophone culture and history. This course prepares students for the Advanced Placement French Language and Culture examination, which they take at the end of the year. (1 credit)

Department: Language

Level: Advanced Placement (AP)

Pre-requisites: 335 Honors French 3 or 333 Honors Advanced French

Other Notes: See Criteria for Honors and AP Courses for details

339 Honors Advanced French

Description: Honors Advanced French provides students opportunities to develop their French skills through a thematically designed curriculum, including contemporary French social issues, the arts, history, and exploration of the wider Francophone world. Using magazine articles, movie studies, podcasts, short stories, and targeted grammar review, this class offers engaging opportunities for language growth. This seminar-like class is

appropriate both for students who want to develop their French language skills for success in French Advanced Placement or for students who want to cap off their French studies with increased language growth and practice. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 333 Honors French 2 or 336 French 3 or 335 Honors French 3

Other Notes: See Criteria for Honors and AP Courses for details

342 Honors Spanish 4, Heritage Learner

Description: This class, conducted fully in Spanish, is offered to students who are heritage or native speakers. It continues the themes of the Honors Spanish 3 Heritage Learner course, while introducing elements of the AP Spanish course. Students continue to advance their proficiency levels, with extra attention to formal writing skills, spelling, reading and reflection on various themes included on the AP Spanish exam. Additionally, emphasis is placed on students' ability to express opinions and hold advanced conversations in Spanish. Cultural traditions and cultural heritage will be analyzed, studied and discussed deeply. All the activities mirror the format of the AP Spanish Language and Culture class. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 331 Honors Spanish 3, Heritage Learner

Other Notes: See Criteria for Honors and AP Courses for details

361 Mandarin 1

Description: This course is for students who have had little to no prior experience studying Mandarin Chinese. Students will learn the pinyin Romanization system and read and write simplified characters. Emphasis is on building everyday vocabulary while students are introduced to basic grammar and sentence structures. Cultural topics include name, family, food, history, and current affairs. Students will be able to proficiently use proper learning resources including Chinese keyboard, create authentic Chinese names and explain the meanings, exchange basic greetings, and talk about names and nationalities in Mandarin. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: Placement test

Other Notes: N/A

362 Honors Mandarin 2

Description: The curriculum of Honors Mandarin 2 will be essentially identical with that of Mandarin 2, but with additional projects, presentations, and assignments to develop the students' language ability. The approach will be qualitatively more intense, in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened, and the progress accelerated. Students will hand write characters for all the written assessments. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 361 Mandarin 1

Other Notes: See Criteria for Honors and AP Courses for details

363 Mandarin 2

Description: Mandarin 2 begins with a thorough review of material from Mandarin 1 and the integration of the vocabulary and grammar within more involved speaking, reading, writing, and listening activities. Students will continue to build their knowledge of Chinese culture and history through a variety of projects and activities. Emphasis continues to be placed on oral and written production with students producing presentations of cultural research and culture comparison, survey reports, invitation and thank you letters, original dialogues and skits. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 361 Mandarin 1

Other Notes: N/A

364 Honors Mandarin 3

Description: The curriculum of Honors Mandarin 3 will be essentially identical with that of Mandarin 3, but with additional projects, presentations, and assignments to develop the students' language ability. The approach will be qualitatively more intense, in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened, and the progress accelerated. Students will hand write characters for all the written assessments and will be expected to mainly use Mandarin in the classroom. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 362 Honors Mandarin 2

Other Notes: See Criteria for Honors and AP Courses for details

365 Mandarin 3

Description: The curriculum of Mandarin 3 will continue to develop students' grammar skills, listening, reading, and speaking abilities through projects, presentations, and assignments. Students will continue to develop their ability to use resources to navigate the Mandarin-speaking internet and will start using Mandarin to solve some everyday problem and real-life tasks, like writing a formal letter or email using appropriate conventions, shopping and exchanging items at a store, asking and explaining how to get to a destination by different transportations. Culture will continue to be an integral part of the course, with increasing opportunities for students to tailor activities and presentations to their own interests. (1 credit)

Department: Language

Level: College Preparatory

Pre-requisites: 363 Mandarin 2

Other Notes: N/A

367 Honors Mandarin 4

Description: The curriculum of Mandarin 4 will continue to develop students' grammar skills, listening, reading, and speaking abilities through projects, presentations, and assignments. Extra emphasis will be placed on clearly communicating in the target language while navigating real-life tasks that arise when studying or traveling in a Mandarin-speaking country. Studying authentic materials and requiring the usage of the target language to navigate the Mandarin-speaking internet will compose a large component of the course. By the end of this course, students acquire substantive vocabulary and structures for having more fluid conversations with native speakers, composing longer essays and papers to introduce more complex topics and explain culture differences, discussing, debating, and presenting speeches that relate to a wide variety of popular topics. Students will hand write characters for all the written assessments and will be expected to mainly use Mandarin in the classroom. (1 credit)

Department: Language

Level: Honors

Pre-requisites: 364 Honors Mandarin 3

Other Notes: See Criteria for Honors and AP Courses for details

Social Studies Department

501 Geography and Foundations

Description: This one semester geography and world history course is designed to immerse students in the foundations of human civilizations and cultures. This course for freshman Jesuit students develops their historical thinking skills, including argument interpretation and construction, source analysis, and reading comprehension. Students will be introduced to contextual analysis, cultural understanding, and ethical reasoning with the purpose of facilitating their growth as empathetic agents in the world. (1 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Freshman status

Other Notes: Required for graduation for Class of 2026

513 AP World History

Description: AP World History is a year long survey course that follows the overall scope, sequence and format of the College Board's AP World History Course Description in preparing students for the AP World History Exam. The course is designed to foster critical thinking skills and habits of mind as students analyze the changes and continuities of human civilization across time and place. It seeks to look at the broad development of humanity at a more global level, and it focuses on many cultures and societies outside those usually considered part of "Western Civilization". The course assumes students are highly motivated with excellent reading and study habits and that they are willing to accept the challenges of a "college-level" course as high school sophomores. (1 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Sophomore status

Other Notes: See Criteria for Honors and AP Courses for details

514 World History

Description: This two semester world history course is designed to immerse students in the broad historical and geographic processes that have shaped human civilization in the modern era, with particular emphasis on developing a global perspective in order to dispel misconceptions, increase respect for diverse viewpoints, and expand their own worldview while confidently being able to clearly articulate it. Students will analyze the current global context by exploring the historical events, patterns, trends, and exceptions that have shaped it with the purpose of better understanding themselves and the world around them. The course will require students to engage in rigorous dialogue, debate, and questioning of sources, assumptions, and arguments in order to develop their ability to discern the truth and make ethical choices in the midst of ambiguity. (1 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Sophomore status

Other Notes: N/A

524 AP United States History

Description: This year-long course is structured to prepare students to achieve the greatest possible success on the AP U.S. History Exam in the Spring. This course is a survey in United States history from the early days of exploration to the twenty-first century. Its purpose is to foster critical thinking and help students gain an understanding of American history as well as changes and continuities in the American experience. Success in this course will require students to integrate and apply knowledge gained from the synthesis of lecture notes, participation in class discussion, text readings, and primary and secondary sources in order to demonstrate mastery of College Board's specified skills. The course assumes students are highly motivated with excellent reading and study habits and that they are willing to accept the challenges of a "college-level" course as high school juniors. (1 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Junior status

Other Notes: See Criteria for Honors and AP Courses for details

526 U.S. History

Description: This year-long United States history course provides students the opportunity to acquire an understanding of the chronological development of the American people and government by examining the political, economic, social, religious, military, scientific and cultural events that have affected the rise and growth of the nation. The fall semester focuses on the birth of the nation and its growing pains, up to the dawn of its emergence as an industrial power. The spring semester explores the further development of the nation as it takes its place on the world stage, and deals with the issues of a growing, prosperous and diverse nation. Throughout the course the students will continue to build on the progress they have made in previous years in improving their proficiency in writing and research skills. They will be challenged to make solid arguments that are well defended and presented. (1 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: N/A

537 AP United States Government & Politics

Description: This one semester college level course in United States government and politics brings critical perspective to the study of general concepts used to interpret United States politics and the analysis of specific case studies. Through lecture, discussion, original source readings, focused research, and simulations, the course allows students to understand and appreciate the various institutions, groups, beliefs, and ideas that make up the United States' political reality. The AP course is designed to aid the student to achieve the greatest possible success on the AP Government examination. (.5 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details; Fall Only; All students must take this course or 538 Government in order to graduate.

538 Government

Description: This one semester course in Government introduces students to the structure and function of the American governmental system along with the nature of American politics. An investigation of the Constitution and its development opens the way to focus on how various governmental officials achieve and wield power. Campaigning and elections, policy making, and the media's role in politics are given explicit attention. How the

three branches of the national government work together through balance of power and the checks and balances system, how the Congress makes law, the President executes law and the courts review law are all investigated thoroughly to enlighten students about the American government's responsibility to citizens and their own social and civic responsibility. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: All students must take this course or 537 AP Government in order to graduate.

547 AP Macroeconomics

Description: This one semester college level course is an analysis of the economy as a whole. Students examine the organization and function of the economy through lecture, readings, and focused projects demanding evaluation and synthesis. Topics covered include money and banking, national income and output, public finance, fiscal policy, monetary policy, and international linkages. The AP course is designed to aid the student to achieve the greatest possible success on the AP Macroeconomics examination. (.5 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details; Spring Only; All students must take this course or 548 Economics in order to graduate.

548 Economics

Description: This one semester senior level course examines both macroeconomic and microeconomic principles by incorporating lecture, discussion, and evaluated activities. Students demonstrate mastery of essential economic concepts such as the operation of markets, national productivity and growth, fiscal policy and monetary policy. Special consideration is given to socio-economic issues and social justice issues. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: All students must take this course or 547 AL Economics in order to graduate.

519 Rhetoric and Civics

Description: Rhetoric and Civics is a one semester course designed to foster critical thinking. The course will focus on introducing students to the prevalence of argument in modern society (i.e. relationships, politics, law, media), the argument process, and the creations of argument. The course will introduce students to types of evidence, reasoning devices, research skills, organizational skills, and critical analysis. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: n/a

Other Notes: Required for graduation for classes of 2023, 2024, and 2025

557 International Relations

Description: This one semester course investigates International Relations as a field is the study of interactions between countries. Over time, international relations scholars have developed theories or frameworks for understanding the things they observe in real life. But these theories are only significant if they can explain the actual events that occur in international relations. As a result, the course will explore both theory and how it

applies to real world policy issues. Issues discussed may include proliferations of weapons of mass destruction, terrorism, US-Russia relations, US-China relations, US-Middle East relations, US-Latin America relations, USA economic trade policy, and global climate change among other current issues facing the United States in its interactions with the rest of the world. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

558 Contemporary Issues

Description: This is a one semester senior level elective designed to explore today's issues and conflicts, particularly at the national level. It is a self-directed participatory course with seminar style discussions and debates. Use is made of current articles, events, documentaries, videos, and other pertinent information. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

562 AP Human Geography

Description: The purpose of the one semester AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The aim of an AP course is to provide the student with a learning experience equivalent to that obtained in most college introductory human geography courses. (.5 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: N/A

565 AP Comparative Government & Politics

Description: This one semester elective provides an intensive study of institutions, political and social structures, populations, beliefs, and ideas that constitute political life and activity in six exemplary countries, including Great Britain, Iran, Russia, China, Nigeria and Mexico. Students will master the comparative method of political analysis that will enable them to uncover fundamental principles of political organization through comparison of political systems. The course will also explore differences in political institutions, regime types as well as economic systems (.5 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: N/A

571 Psychology

Description: This one semester elective course will teach students to apply approaches such as the cognitive, behavioral, biological, psychoanalytic, and humanistic theories to examine people and their responses to the

world. Students will also examine topics such as motivation, emotion, theories of learning, definitions of abnormality, psychological disorders, and approaches to treatment. Additional areas to be covered include social psychology, group dynamics, conformity, theories of personality, and career opportunities in the field of psychology. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

573 AP Psychology

Description: The one semester AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with psychology. They also learn about the ethics and methods psychologists use in their science and practice. In particular, the AP Psychology course seeks four primary goals: give students a working knowledge of the theories and key concepts of each of the major subfields within psychology; expose them to many of the contributing psychologists and significant research studies, both historical and current, that have shaped our understanding of behavior and mental processes; train them to apply psychological principles and understand connections between ideas and theories; and leave them with an appreciation of the scientific methods and ethical procedures that produce such knowledge. (.5 credit)

Department: Social Studies

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: N/A

574 Slavery, Civil War, and Reconstruction

Description: This one semester course is an in-depth examination of the United States' most critical challenge: its struggle with slavery. Most importantly, this course examines how the legacy of slavery still impacts the United States today. This course examines both the historical and modern attempts to resolve the seemingly intractable issues of race-based slavery and the meanings of freedom and democracy. Specifically, the course will examine the origins of American slavery, the role slavery played in colonial development, and how slavery became a part of the U.S. Constitution. The course also explores the emergence of the anti-slavery and abolition movements, the development of sectionalism, the causes and execution of the Civil War. The course then sheds light on Reconstruction, the re-emergence of white supremacy, and their impact on modern society. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Spring Only

580 Historical Concept of War: Theory, Practice, and Application

Description: This one semester course examines the concept of war from several historical perspectives. First, students will examine "Just War Theory" to understand the arguments for war as a moral, or immoral, exercise of organized violence to achieve political ends. The course will then present different approaches to strategy, stressing Clausewitz's principles of war as outlined in *Das Krieg*, Machiavelli's *The Prince*, and U.S. Army Field Manual 100-5. The instructor will present an analysis of a specific war, applying the concepts of just war and military strategy. Students will then, in groups, produce a similar analysis of a war, and present that analysis to the class. Students must be prepared for this extensive group work and group presentation, as a major part of the course grade will be derived from this work. (.5 credit)

Department: Social Studies

Level: College Preparatory
Pre-requisites: Senior status
Other Notes: N/A

583 AP European History

Description: AP European History is a year long survey course that follows the overall scope, sequence and format of the College Board's AP European History Course Description in preparing students for the AP European History Exam. The course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes that mark the evolution of Western Civilization into modern times. Students also will practice and develop the same thinking skills and methods (e.g. analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. (1 credit)

Department: Social Studies
Level: Advanced Placement (AP)
Pre-requisites: Senior status
Other Notes: N/A

592 History of Rome (Summer only)

Description: History of Rome 3 week Summer School course designed to offer an introductory exploration of Roman civilization's rise and fall from pre-Roman hamlet to massive, decadent empire under Emperor Constantine. Across this roughly 1000-year history, the course will survey Rome's cataclysmic evolution as it develops both a culture and a legacy that resonates powerfully with the present day. The course will use a variety of primary and secondary sources to introduce content and help students develop analytical skills. It will also include a traveling component to Italy that will occur at the end of the Summer term. Students may then witness the "eternal city" in person (assuming travel restrictions do not apply) to further experience and develop their understanding of the History of Rome. (.5 credit)

Department: Social Studies
Level: College Preparatory
Pre-requisites: Junior or senior status
Other Notes: Summer Only; Additional travel and lodging fees

539 Government Close Up Trip to Washington DC (Summer only)

Description: The Close Up Government Course is offered to rising seniors during summer school. This three week accelerated course introduces students to the structure and function of the American government system along with the nature of American politics. Students will also travel to Washington, D.C. during the third week of summer school as members of the Close Up flagship High School Program. Using the nation's capital as a living classroom, students will get a "close up" view of American history, government, and democracy in action. During our time in Washington, students will have the opportunity to visit many of DC's key institutions and historic sites—highlights include Arlington National Cemetery, National Archives, Smithsonian Museums. Students will also participate in a Mock Congress, an in-depth simulation of the legislative process, in preparation for a day on Capitol Hill where they will have the opportunity to meet with legislators. (.5 credit)

Department: Social Studies
Level: College Preparatory
Pre-requisites: Senior status
Other Notes: Summer Only; Additional travel and lodging fees

570 Sustainability and Collapse of Civilizations

Description: This one semester elective course investigates the history of sustainability in human civilizations. It seeks to explore why societies fail and how they succeed, while helping students become more informed of the current sustainability issues facing the United States and the world at large. The material is presented seminar-style, and it uses the book *Collapse* by Pulitzer-prize winning author Jared Diamond as its core text. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

572 History Through Popular Media

Description: This one semester elective course is interested in the fact that many people in current US society get their history through media outside of print. That is, they do not read history so much as view it or play it. History comes to them in an ubiquitous flood of Hollywood films, History Channel docu-wars, evening broadcasts, and video games. Thus, a question arises: how valid are these media for conveying the past? Even more specifically, what about history, if anything, can be legitimately learned from such media? How reliable are these sources and by what criteria should such sources be scrutinized, criticized, and evaluated in terms of conveying the past to the present and future? This course is for students interested in the way alternative media, particularly film, conveys history. Students can expect to develop critical thinking and writing skills, as well as some sense of the larger controversies surrounding how the past can and should be communicated. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

582 Mass Media and Cultural Studies

Description: This one semester senior level course will introduce students to cultural and mass media studies. The course will emphasize the processes, elements, uses, and impacts of mass media including history, development, operation, and cultural effects of all types of mass media including books, newspapers, magazines, motion pictures, radio, television, sound recordings, computer media, and internet based media. The course will introduce students to various forms of cultural and media criticism methods including describing, interpreting, and judging media messages utilizing various critical theories. The curriculum is designed to develop students writing, critical thinking, speaking, and research skills in the context of mass media studies. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

578 The 1960s: Civil Rights, Vietnam, and the Rise of Modern Conservatism

Description: This one semester course attempts an in-depth examination of the tumultuous years of the last half of the 20th century in America. Starting with a brief examination of American society in 1950, the course will study the Civil Rights Movement through the 50s, 60s and into the 70s. It will also trace the political ascendancy of Goldwater and Conservatism in the 60s, the beginnings of the Vietnam War and the gradual escalation of American involvement, and the rise of the anti-war and counterculture movements. The pivotal year of 1968 will draw special attention, and the course will conclude with the developments of the early 70s and the end of the Nixon presidency. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

575 Rise of Modern China

Description: This one semester course investigated the meteoric rise of China into a large global exporter and a dominant diplomatic superpower. President Xi has made it a priority for China to become a green energy leader, invest in infrastructure in Africa, South America, and central Asia, and consolidate control over trade in the South China Sea. All of these changes are among the many ways China attempts to re-establish what it sees as its place in the world during the previous dynasties and before the "Century of Humiliation" by the West. In order to understand how China and its current leadership approaches issues and makes decisions, it is crucial to see modern historical events from the Chinese perspective. This course delivers a social, economic, and political backdrop of the second most influential nation behind the U.S. and addresses the core geopolitical issues concerning U.S. - China relations today. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

595 Social Justice & Public Policy

Description: The Social Justice & Public Policy senior seminar course is the classroom component of the Senior Service Practicum which complements the student's assigned field work at Jesuit's agency partners. Students will make authentic connections between theory and practice in the Ignatian, Catholic Social Teaching tradition while providing an opportunity for in-depth dialog on the student's experience with works of service and justice as it relates to public policy. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Required for graduation of all students.

Mathematics Department

612 Algebra 1

Description: The first year Algebra course is designed to provide a link between the mathematics which students have already studied and the mathematics courses which they will study in their high school years. Topics include a brief review of algebraic terms, simple equations, and real numbers; other topics concern solving equations, problem solving, factoring, linear systems, functions, inequalities, rational numbers, quadratic functions, and the graphing of linear and quadratic functions both with and without a graphing calculator. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Freshman Status

Other Notes: ALEKS Placement

614 Algebra 2

Description: This course has topics that include solution techniques for a variety of linear and quadratic equations and inequalities and systems, using both algebraic analysis and matrix algebra on the graphing calculator. This is to be followed by analysis and simplification of exponential, logarithmic, rational, polynomial (including those of degree 3 and greater) and irrational functions. Finally the set of complex numbers, the conic sections, series and sequences and probability and statistics are introduced. Students are encouraged to develop a diverse set of problem solving skills, including technological approaches, through work on numerous application problems in each section. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Freshman Status

Other Notes: ALEKS Placement

615 Honors Algebra 2

Description: This course has topics such as solution techniques for a variety of linear and quadratic equations and inequalities and systems, using both algebraic analysis and matrix algebra on the graphing calculator. This is to be followed by analysis and simplification of exponential, logarithmic, rational, polynomial (including those of degree 3 and greater) and irrational functions. Finally the set of complex numbers, the conic sections, series and sequences and probability and statistics are introduced. Students are encouraged to develop a diverse set of problem solving skills, including technological approaches, through work on numerous application problems in each section. Assignments and tests include more challenging problems and more creative solution techniques. (1 credit)

Department: Mathematics

Level: Honors

Pre-requisites: Freshman Status

Other Notes: ALEKS Placement

621 Honors Geometry

Description: This course develops the thinking skills of the students. These skills are: reasoning, analysis, interpreting, recall and transfer, classification, spatial perception, synthesis, and application of concepts. The course emphasizes proof and problem solving. Content areas include properties of triangles, polygons and circles, similarity, trigonometry, areas of plane figures, and surface areas and volumes of solids, and constructions of

figures. Coordinate and transformational approaches to geometry are also taught. Students are expected to develop conjectures related to the various topics and to prove the same as theorems before using them in related exercises. (1 credit)

Department: Mathematics

Level: Honors

Pre-requisites: Sophomore status

Other Notes: See Criteria for Honors and AP Courses for details

622 Geometry

Description: This course develops the thinking skills of the students. These skills are: reasoning, analysis, interpreting, recall and transfer, classification, spatial perception, synthesis, and application of concepts. The course emphasizes proof and problem solving. Content areas include properties of triangles, polygons and circles, similarity, trigonometry, areas of plane figures, and surface areas and volumes of solids, and constructions of figures. Coordinate and transformational approaches to geometry are also taught. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Sophomore status

Other Notes: N/A

631 Honors Algebra 2/Trigonometry

Description: In addition to the topics covered in 632 Algebra 2, the course also includes trigonometry. Assignments and tests include more challenging problems and more creative solution techniques. (1 credit)

Department: Mathematics

Level: Honors

Pre-requisites: Junior status

Other Notes: See Criteria for Honors and AP Courses for details.

632 Algebra 2/Trigonometry

Description: Topics include solution techniques for a variety of linear and quadratic equations and inequalities and systems, using both algebraic analysis and matrix algebra on the graphing calculator. This is to be followed by analysis and simplification of exponential, logarithmic, rational, polynomial (including those of degree 3 and greater) and irrational functions. Finally the set of complex numbers, series and sequences and probability and statistics are introduced. Students are encouraged to develop a diverse set of problem solving skills, including technological approaches, through work on numerous application problems in each section. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: N/A

657 AP Statistics

Description: This course may be taken following Precalculus, concurrently with Calculus, or concurrently with Precalculus. The focus of the course is preparation for successful completion of the AP Statistics Exam. Topics are similar to those for Statistics with emphasis on those topics listed by the College Board. (1 credit)

Department: Mathematics

Level: Advanced Placement (AP)

Pre-requisites: Junior or senior status

Other Notes: See Criteria for Honors and AP Courses for details

658 Statistics

Description: Statistics is built around four main topics: exploring data, planning a study, understanding probability theory, and acquiring critical inferential reasoning skills. In this course students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations and will extend their knowledge of data analysis. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

665 Honors Precalculus

Description: This course is designed as preparation for a rigorous course in Calculus. In addition to the topics of 670 Precalculus, this course includes mathematical induction, sequences, series, limits, limits of functions, and an introduction to the derivative and its applications. (1 credit)

Department: Mathematics

Level: Honors

Pre-requisites: Junior status

Other Notes: See Criteria for Honors and AP Courses for details

667 Honors Precalculus

Description: This course is designed as preparation for a rigorous course in Calculus. In addition to the topics of Precalculus, this course includes mathematical induction, sequences, series, limits, limits of functions, and an introduction to the derivative and its applications. (1 credit)

Department: Mathematics

Level: Honors

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

668 Pre-calculus (Seniors)

Description: The main objective of this course is to build a solid mathematical foundation in preparation for the student's entry into college level courses. The course emphasizes the study of algebraic, exponential, logarithmic and trigonometric functions and their applications; complex numbers are also studied. The emphasis will be on function analysis, mathematical reasoning and problem solving using appropriate current technology. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

670 Pre-calculus (Juniors)

Description: The main objective of this course is to build a solid mathematical foundation in preparation for the student's entry into college level courses. The course emphasizes the study of algebraic, exponential, logarithmic and trigonometric functions and their applications; complex numbers are also studied. The emphasis will be on function analysis, mathematical reasoning and problem solving using appropriate current technology. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: N/A

676 Calculus

Description: This year long course explores the major concepts of calculus. Students are encouraged to explore, discover and generalize relationships using the techniques of differentiation and integration. Real world applications will be a major focus of the course. Material from precalculus will be reviewed and reinforced as needed. This course is not designed as preparation for either Calculus AP exam. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

677 AP Calculus BC

Description: The focus of the course is preparation for successful completion of the AP BC Calculus Exam. Topics are presented using graphical, numerical, algebraic, and verbal approaches with an emphasis on the use of appropriate technology. Students who successfully complete this course and the AP exam may qualify to earn credit and/or placement at most colleges and universities. (1 credit)

Department: Mathematics

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

678 AP Calculus AB

Description: This is an introductory course in differential and integral Calculus with elementary functions. The focus of the course is preparation for successful completion of the AP AB Calculus Exam. Definitions and theorems are precisely stated; proofs of theorems are often deferred to a later course. Topics are presented using graphical, numerical, algebraic, and verbal approaches with an emphasis on the use of appropriate technology. Students who successfully complete this course and the AP exam may qualify to earn credit and/or placement at most colleges and universities. (1 credit)

Department: Mathematics

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

Science Department

711 Honors Biology

Description: This course entails the study of molecules, cells, genetics, evolution, microbiology, botany, invertebrates, vertebrates, human biology and ecology. In order to understand the application of these concepts, presentations are made to the students using graphic animations and computer presentations. Students are required to have lab on these topics once a week. (1 credit)

Department: Science

Level: Honors

Pre-requisites: Placement is based on ISEE scores

Other Notes: N/A

712 Biology

Description: This course entails the study of ecosystem interactions, human impacts on ecosystems, populations, genetics, cellular structures and processes such as photosynthesis and respiration, interacting biological systems, and evolution. Students are required to actively engage in the learning process by performing labs, collecting data, reporting their findings to their peers, and discussing the validity of their conclusions as real scientists would. (1 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Placement is based on ISEE scores

Other Notes: N/A

717 AP Biology

Description: AP Biology is taught at the same level of a one-year college or university course in biology, taught within the parameters of high school. Students explore the question, How do we know what we know? by investigating 8 topic areas: the chemistry of life, cell structure and function, cell energetics, cell communication and cell cycle, heredity, gene expression and regulation, natural selection, and ecology. Integrated into the six topic areas are big ideas, enduring understandings, and learning objectives from the AP Biology Curriculum Framework that merge concepts with science practices at the molecular, cellular, organism, population, and ecosystem levels. All students are expected to take the AP Biology Exam. Since this class is taught at the college level, grades are derived from tests, essays, readings, and labs. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: Senior status

Other Notes: See Criteria for Honors and AP Courses for details

723 Honors Chemistry

Description: This honors chemistry course examines several fundamental topics in chemistry in greater detail than the regular chemistry course, providing a thorough preparation for the Advanced Placement Chemistry course. Students learn to apply the principles of chemistry in order to make well-reasoned predictions, develop and perform laboratory experiments, and support scientific conclusions through calculation. Topics discussed include: scientific measurement, atomic theory, the periodic table, bonding, nomenclature, reaction types, and stoichiometric calculations, gas laws, and solutions. The primary goal of the course is to empower students to become creative thinkers and problem solvers through the understanding and application of chemistry concepts. (1 credit)

Department: Science

Level: Honors

Pre-requisites: Sophomore status

Other Notes: See Criteria for Honors and AP Courses for details; placement based on math achievement

724 Chemistry

Description: This is an introductory chemistry course. Topics covered include experimental design, properties of matter, the periodic table, atomic structure, writing and balancing chemical equations, types of chemical reactions, calculations involving chemical quantities, electron energy levels, bonding and periodicity. Frequent laboratory experiments reinforce what is learned in lecture and small-group work. The primary goal of the course is to empower students to become creative thinkers and problem solvers through the understanding and application of chemistry concepts. (1 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Sophomore status

Other Notes: Placement based on math achievement

727 AP Chemistry

Description: The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in other fields where general chemistry is the prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. Students in this course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the student's abilities to think clearly and to express his ideas, orally and in writing, with clarity and logic. This college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook (college level), the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: Honors or Regular Chemistry; Algebra 2

Other Notes: See Criteria for Honors and AP Courses for details

731 Honors Physics

Description: This introductory physics course is an alternative start to the science track at Jesuit. Focus is placed on developing strong critical thinking and reasoning skills through lab work, qualitative and quantitative analysis. Topics covered include: one and two dimensional mechanics, forces, energy, rotational motion and mechanical waves. Intended for 9th graders only. Students will take the AP Physics 1 test at the conclusion. (1 credit)

Department: Science

Level: Honors

Pre-requisites: Placement is based on ISEE scores

Other Notes: Freshmen only

734 AP Physics 1: Algebra-Based

Description: This course provides a systematic development of the principles of physics by emphasizing problem solving and helping students develop a deep understanding of physics through conceptual and quantitative aspects utilizing interactive lectures, demonstrations, videos, and laboratory experiences. Topics covered include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: N/A

Other Notes: See Criteria for Honors and AP Courses for details

736 Physics

Description: This introductory physics course emphasizes independent thought and investigation of issues with real-world applications. Students will make judgments and interpret information while forming their own unique solutions. The course integrates concepts from the following topics: one and two dimensional motion, Newton's Laws, forces, and energy. Both conceptual and quantitative aspects of the material will be covered. (1 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Junior status

Other Notes: N/A

738 AP Physics 2: Algebra Based

Description: This course provides a systematic development of the principles of physics by emphasizing problem solving and helping students develop a deep understanding of physics through conceptual and quantitative aspects utilizing interactive lectures, demonstrations, videos, and laboratory experiences. Topics covered include fluid mechanics, thermodynamics; electricity and magnetism; optics; quantum; atomic and nuclear physics. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: N/A

Other Notes: See Criteria for Honors and AP Courses for details

737 AP Physics C Mechanics: Calculus Based

Description: This course corresponds to the first year college course taken by students majoring in engineering or physics, with a separate laboratory and lecture component. Students who plan on studying engineering or physics in university are strongly recommended to take this course. The course covers all classical mechanics concepts with calculus. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: Concurrent or completed enrollment in calculus

Other Notes: See Criteria for Honors and AP Courses for details; requires co-enrollment with 739 AP Physics C: Electricity and Magnetism; This is a 2 period class

739 AP Physics C: Electricity & Magnetism: Calculus Based

Description: This course corresponds to the first year college course taken by students majoring in engineering or physics, with a separate laboratory and lecture component. Students who plan on studying engineering or physics in university are strongly recommended to take this course. The course covers all of classical electromagnetism with calculus. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: Concurrent or completed enrollment in calculus

Other Notes: See Criteria for Honors and AP Courses for details; requires co-enrollment with 739 AP Physics C: Mechanics; This is a 2 period class

742 Astronomy (Summer Only)

Description: This course is an introductory survey to concepts in astronomy. The course covers celestial mechanics (how & why the planets move the way they do in our solar system); information transfer (how visual and non-visual telescopes collect information); life cycles of stars, and some basic cosmology. The course meets in the summer and includes three night labs. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Completion of Physics, AP Physics, or Honors Physics

Other Notes: Summer Only

745 Anatomy & Physiology

Description: This class will introduce students to the anatomical structures and the physiological processes that make human life possible. Topics include: levels of organization in the human body, all of the human body systems (skeletal, muscular, and reproductive), metabolism and energy transfer, development and inheritance and medical terminology. Several human systems will be studied in fetal pigs. This class is designed for students who are interested in health sciences such as medicine, nursing, nutrition, physical /occupational therapy, sports medicine, athletic training, exercise physiology, and general fitness. This class is taught at the same level as an entry level college course, therefore expectations are that students will ascribe to mature behavior. Grades are derived from tests, essays, and readings. (1 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: N/A

749 Forensic Science

Description: Forensic Science is a full-year course based on college level introductory criminalistics. This course is designed to introduce crime scene investigative techniques, evidence analysis, data collection and advanced scientific methods for the application of science to law. Forensic Science will focus on crime-scene techniques and applications including data collection and collation, processing of trace evidence, and how to present findings. This course will also focus on specialized lab-based techniques and scientific applications including chemical detection, how to process biological and chemical evidence and how to generate a scientific report. Topics include: Crime Scene Investigation, Types of Evidence, Autopsy/Anthropology, Decomposition/Entomology, Fingerprint Analysis, DNA Analysis, and Bloodstain Pattern Analysis. (1 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: Full Year course

751 Marine Biology 2 (Summer Only)

Description: In partnership with Dive British Virgin Islands, students will advance their understandings of research techniques and human impacts on Caribbean ecosystems. This course is hands-on and will include research projects, video diaries, blog submissions, and group activities. Students will direct a research project that involves species present on various islands in the BVI. This summer-only course will take place on the Jesuit Dallas campus and the Grand Cayman Island. Additional tuition and fees required. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Junior or senior status

Other Notes: Summer Only

752 Marine Biology (Summer Only)

Description: Students will engage in discussions about research techniques and validity, human impacts on coral reefs and Caribbean marine ecosystems, fish identification and anatomy, and the application of science. This course is hands-on and will include research projects, video diaries, blog submissions, and group activities. It will incorporate content and understandings from previous science experiences. This summer-only course will take place on the Jesuit Dallas campus and the Grand Cayman Island. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Junior or senior status

Other Notes: Summer Only

757 Microbiology (Summer Only)

Description: This course is a hands on laboratory-based class that covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. The course is taught through a case study of a patient who is about to face surgery and the microbiological tests he undergoes to prepare. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Junior or senior status

Other Notes: Summer Only

762 AP Environmental Science

Description: The Advanced Placement Environmental Science course is designed to aid students in exploring the interrelationships of the natural world. The course requires students to identify and analyze natural and anthropogenic (human-made) environmental problems as well as propose solutions after evaluating those problems. Environmental science is interdisciplinary; including topics from geology, biology, environmental studies, environmental science, chemistry, geography, and economics. (1 credit)

Department: Science

Level: Advanced Placement (AP)

Pre-requisites: Junior or senior status

Other Notes: N/A

766 Engineering: Design Process

Description: This course is created for Seniors to explore the engineering design process through design challenges. It is a full-year option to the 764 Engineering: Introduction to Design Process that, in addition to developing skills, focuses on the application of skills through various projects. This involves the exposure to multiple fields within engineering. Students will experience the design cycle including problem analysis, research, rapid prototyping, Computer Aided Design, light manufacturing, testing, and revision. In addition, students in this class will participate in designing projects from the NASA HUNCH program (<https://nasahunch.com/>). You might even be designing things that make their way to the International Space Station. (1.0 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Senior status

Other Notes: 1 credit – full year course

Computer Science Department

813 Intro to Computer Programming

Description: All freshmen must take Introduction to Computer Programming. Intro to Computer Programming assumes no prior computer programming experience. Students will learn algorithm development and an Object Oriented approach to problem solving. The programming language will be Java. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

812 Intro to Computer Programming-Robotics

Description: This course will develop programming skills with JAVA, in addition to an introduction to CAD, mechanical design, prototyping, light fabrication, and an understanding of robotic systems. This course satisfies the same requirement as Introduction to Computer Programming. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

872 Game Development

Description: This is an introductory course in Game Development. Students will be exposed to basic programming concepts in the Godot environment. The course culminates with student planning, coding, testing and playing a video game. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: 812/813 Intro to Computer Programming

Other Notes: N/A

873 Web Development

Description: This course affords students an opportunity to use skills acquired in Introduction to Programming to create an interactive web application. HTML, CSS and JavaScript are combined with principles of object oriented

programming in order to solve real world problems. The course culminates with a project where students design and develop a functioning web application. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: 813 Intro to Computer Programming

Other Notes: N/A

844 Honors Java

Description: Honors Advanced Java is the first half of the College Board curriculum for AP Computer Science A. This course emphasizes problem solving, algorithm development, data structures, Java programming, and Object Oriented Design. Students who wish to take AP Computer Science must complete this class first. (.5 credit)

Department: Computer Science

Level: Honors

Pre-requisites: 813 Intro to Computer Programming

Other Notes: Requires > 90% in 813 or 812 and/or Teacher Recommendation. Students wanting to take 845 AP Computer Science A should take this course in the fall of the same year they are planning to take 845 in the spring.

845 AP Computer Science A

Description: This semester course prepares the student to take the AP Computer Science A exam by building on skills acquired in Introduction to Programming and Honors Advanced Java. The syllabus emphasizes problem solving, algorithm development, data structures, Java programming, and Object Oriented Programming. Students interested in the course are encouraged to consult the instructor. Detailed information about the AP Computer Science test is available at: www.collegeboard.com/student/testing/ap/about.html. (.5 credit)

Department: Computer Science

Level: Advanced Placement (AP)

Pre-requisites: 844 Honors Java and Teacher Recommendation

Other Notes: Only offered in Spring Semester; Students should take 844 in the fall of the same year the plan to take this course.

Fine Arts Department

905 Broadcast Journalism

Description: In this independent study class (i.e. does not meet during school day on a regular schedule), students spend time learning about the following aspects of journalism: video editing, broadcasting from the both, sport statistics, action photography, and sports writing. Students will be expected to attend various sporting events based on a schedule agreed upon between the student and the instructor. This is a graded class that is a full-year obligation. It is a great opportunity for those looking at hands-on experience and creating a portfolio for future aspirations. (1.0 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

906 Photography

Description: Photography is a one-semester course for students interested in developing their art through the medium of digital photography. Students will learn the fundamentals of using DSLR cameras while exploring the concepts of the visual elements. In addition to learning about apertures, shutter speeds, ISOs, color correction, airbrushing, and other photography concepts, students will discover how the underlying concepts of traditional art media (like drawing) can be applied in order to create photographs of a higher quality. This class is open to all grade levels, and requires instructor approval for enrollment (please contact Mr. Howard if you are interested in taking this class). (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

908 Theater & Film Writing

Description: Everyone has a unique story to tell. And having it not just read, but seen, is even more unique. This is your NEW opportunity to express yourself in a personal and modern way through the art of screenwriting (film) and playwriting (theater), and a chance of seeing your story come alive! A goal of this class is to bring to the Jesuit Theater One-Acts and Short Films Festivals original student written works. In this course you will have the freedom to create using your imagination, observation and experience while learning techniques, genres and styles, examine historical and relevant theory. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

910 Theater Acting

Description: Taking this class means being on your feet. You will perform improvisational games, give a monologue, work as a team to build a scene, draw basic stage design, and learn how to direct. The class aims to give the student a broad introduction to what is a very diverse art form. In each new unit, we will also examine historical antecedents and give a basic review of relevant theory. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

914 Theater Directing

Description: Everyone is invited to consider this course, not just students who are actors. Indeed, one of the first lessons of this course is that acting and directing are two very different skills. We will start by covering the basic theory of performance and direction, and then move into a workshop setting in which students apply their skills. The class then allows students to demonstrate their learning in a real-world environment, with a real cast, a real show, and a real audience. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

916 Stagecraft

Description: Power tools, construction, and design are at the heart of this course. Students will construct the stage for Jesuit Theater's extracurricular play. However, no extracurricular commitment is required, and no theater experience is necessary. All construction will be done in class. During the course of study, students will learn the skills needed to construct scenery, hang and focus lighting instruments, implement a sound system for effects, and scenic artistry, all in a variety of techniques. Additionally, students will be introduced to basic design theory, and will be given an opportunity to draft their own designs for a theatrical production. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

917 Music Com Film Scoring

Description: Students will learn the fundamentals of music composition and film scoring. Using Logic Pro software on the iMacs, students will learn basic rhythm, melody, harmony, form and sound manipulation. This course is open to sophomores, juniors, and seniors. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

918 Filmmaking

Description: Movies. Television. YouTube. Take this class and learn the basics of telling stories through digital video, which includes cinematography, directing, sound design, lighting, and editing. The course will explore the tools of filmmaking in depth and culminate in a short film that will debut for audiences in the spring. Students will work with partners on the film and should be prepared to spend time outside of class to shoot, edit, and polish productions. To register for the course, first gain permission from Mr. Montgomery or Mr. Acevedo via email or an appointment during office hours. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

922 Ceramics Throwing

Description: This course focuses on pottery making by mainly use of the potter's wheel. Potters, sculptors, hand builders and all handmade ceramic artisans learn these basic techniques to work with clay. It includes pinch, coil, slab, extrusions, sculptural as well as wheel throwing and trimming methods to working with clay. Basic surface decoration, glazing and firing techniques and kiln operation are covered. Focus is to experience different techniques and to become competent and knowledgeable of different ways to work with clay; competence comes with practice. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

924 Ceramics Hand-Building

Description: This course focuses on pottery making by using Hand-Building techniques (not working on the potter's wheel). Potters, sculptors, hand builders and all handmade ceramic artisans learn these basic techniques to work with clay. It includes pinch, coil, slab, extrusions, and sculptural methods to working with clay. Basic surface decoration, glazing and firing techniques and kiln operation are covered. Focus is to experience different techniques and to become competent and knowledgeable of different ways to work with clay; competence comes with practice. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

929 Advanced Ceramics

Description: This course focuses on pottery making by Throwing or Hand-building technique. The focus will be determined by the student's interest and agreement with the instructor. Potters, sculptors, hand builders and all handmade ceramic artisans build upon throwing or hand-building techniques to work with clay; by expanding competency and studying the important elements of designing and producing utilitarian and contemporary pottery, including wall thickness, balance and proportion, surface decoration and glazing and firing techniques. Competence comes with practice. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

931 Art Survey (Summer Only)

Description: Students in this summer-only course will discover the visual elements of art through in-class exercises and field trips to local professional arts establishments. The course culminates in a comprehensive project in which students imitate the artistic exercises of advertising, architecture, theater, or gallery management. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Summer Only

932 Introduction to Architecture: Space, form and structure

Description Introduction to Architecture is a one-year course that introduces students to the key ideas, practices and principles of Architectural Design. Students will be given the opportunity to explore the contemporary process of architectural design by participating in multiple design exercises including free hand drawing, model making, and CAD software. The goals of this course are: To introduce and explore the discipline of architecture; To promote visual thinking and representational skills; To develop analytic design thinking skills; To learn some of the conventions of architectural representation; To enhance cultural awareness of architecture and design. (1.0 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

935 Drawing

Description: A one semester course for students with previous art/drawing experience and/or a serious interest in developing their art through focused drawing instruction. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

942 2D Design: Digital Media

Description: A one-semester course for students interested in developing their art through new media: digital imagery and the Adobe Creative Suite. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

945 2D Design: Traditional

Description: A one-semester course for students interested in developing their art through traditional media: illustration, printmaking and painting. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

947 AP Studio Art: Drawing

Description: A one-semester course designed to assist in the development of a serious portfolio of work for art-focused students. Students will work with a variety of media to develop projects, which will culminate in a comprehensive portfolio to be submitted for review by the College Board in May. (.5 credit)

Department: Fine Arts

Level: Advanced Placement (AP)

Pre-requisites: N/A

Other Notes: N/A

949 AP Studio Art: 2-D Design

Description: A one-semester course designed to assist in the development of a serious portfolio of work for art-focused students. Students will work with a variety of media to develop projects, which will culminate in a comprehensive portfolio to be submitted for review by the College Board in May. (.5 credit)

Department: Fine Arts

Level: Advanced Placement (AP)

Pre-requisites: N/A

Other Notes: N/A

951 Music Appreciation

Description: This is a basic survey of music including listening skills and history. Styles of music to be covered include Baroque, Classical, Romantic and Post-Romantic. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

952 Music Theory

Description: An in-depth study of music theory, ear training, counterpoint, keyboard harmony, and analysis of both classical and contemporary musical forms. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

955 Intro to Jazz History & Improvisation

Description: A class which explores the basic techniques used in improvising and performing jazz music. Chord structure, scales, and melodic construction are covered. Students will focus on learning to read music, jazz history, music theory, and ultimately playing improvised music. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

956 Jazz History & Improvisation 2

Description: This class continues to explore intermediate to advanced techniques used in improvising and performing jazz music. Further examination of jazz history including famous musical performances and theory will also be covered. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: 955 Intro to Jazz History & Improvisation

Other Notes: N/A

957 Chamber Orchestra

Description: Class is the traditional string orchestra (violin, viola, cello, bass and piano). Music ranging from Baroque Era to the 20th century is covered. This 2 semester class meets twice a week at Ursuline Academy. (1 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

961 Men's Chorus

Description: Students will learn to sing and harmonize music from traditional genres as well as pop, rock and jazz. Students will have opportunities to develop their musical potential through learning techniques such as reading music, harmonizing, and group and solo performance skills. (1 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

970 Band

Description: Class composed of wind and percussion musicians. The organization performs as a marching band August through mid-November. It is a Concert band for the rest of the year, which includes percussion ensemble, jazz band, and chamber music. Students without an instrument will be provided with a school-owned instrument. (1 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: N/A

983 Art of Film (Summer Only)

Description: This course covers film history and rhetoric. A someone who enjoys movies as an entertainment vector and art form, being able to digest film and see the nuances in shot construction, narrative structure and dialogue is a great way to more thoroughly enjoy either a large-scale blockbuster release or an independent film created on a much shorter scale. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Summer Only