

ART DEPARTMENT
Course Descriptions 2016-2017

(3011/3012) Fundamentals of Art 1/ Art 2 **Year** **1 Credit**

Open to freshmen and sophomores; juniors and seniors by request

This class is offered to those students who have an interest in pursuing the Visual Arts. This course is an introduction to art concepts through a variety of media and projects.

(3100) Graphic Design (CP1) **Semester** **.5 Credit**

(Prerequisite: Fundamentals of Art 1/Art 2) Open to sophomores; juniors and seniors by request.

This second-level art course challenges the student in visual problem solving. It explores the multi-faceted field of graphic design and the role it plays as a vehicle for visual communication. Design projects are for the higher-level thinker and Adobe Photoshop will be used to create the projects.

(302) Ceramic Sculpture (CP1) **Semester** **.5 Credit**

Open to juniors and seniors. May be taken for academic or non-academic credit.

This course necessitates a grasp of form in the third dimension. Students learn specific methods and processes of sculpture as they work with clay.

(362) Digital Media Design (CP1) **Semester** **.5 Credit**

(Prerequisite: Graphic Design) Can be taken for academic or non-academic credit.

This course is an extension of Graphic Design. Students will further develop computer art skills with more advanced digital art projects.

(305) Drawing (CP1) **Semester** **.5 Credit**

Open to sophomores, juniors and seniors. May be taken for academic or non-academic credit.

Students should be aware that this is a skill building course in which they will be assessed on the quality of their work as well as on their effort. This course assists students to develop hand and eye coordination while they advance from a simple contour line drawing to exercises involving value and color. Students use a variety of media in producing projects like still life compositions, figure drawing, illustration, and portraits. Students are required to enter at least one art competition per year.

(306) Painting (CP1) **Semester** **.5 Credit**

(Prerequisite: Drawing) Open to sophomores, juniors and seniors. May be taken for academic or non-academic credit.

Students should be aware that this is a skill building course in which they will be assessed on the quality of their work as well as on their effort. This course is an introduction to painting. Materials, methods and techniques of handling varying subjects and styles are included. The course is a structured introduction in which emphasis is on handling and application of the media aiming toward a satisfying conclusion. Students are required to enter at least one art competition per year.

(308) Senior Art Workshop (CP1) **Semester** **.5 Credit**

Prerequisite: Three art courses and teacher recommendation) Open to seniors. May be taken for academic or non-academic credit.

The concentrated instruction in this course is designed to assist the art student intending to pursue further art studies. Students learn to resolve advanced art problems in all related art divisions of study and to create varied, individualized, sophisticated works.

(342) Illustration **Semester** **.5 Credit**

Open to juniors and seniors. May be taken for academic or non-academic credit.

This course examines the process of creating general illustration. Students learn about character design, story development and imagery rendering. Concepts explored include storybook illustration and cartooning in a variety of media.

(372) Portfolio Prep (CP1) **Semester** **.5 Credit**

(Prerequisite: Two art courses and teacher recommendation) Open to juniors. May be taken for academic or non-academic credit.

This course is designed for the student who has a significant body of work and is preparing an art portfolio for submission with college applications. Projects will focus on observational art and will be of a sophisticated nature.

BUSINESS DEPARTMENT
Course Descriptions 2016-2017

(638) Introduction to Business (CP1)

Year

1 Credit

Open to juniors and seniors.

In this course students survey the operation of business in our free enterprise system. Topics covered include the economy, owning and operating a business, marketing, human resource management, financial and technological management, consumerism and business ethics.

(642) Senior Internship Program (CP1)

Semester

.5 Credit

Open to seniors. May be taken for academic or nonacademic credit.

A high school internship is one of the most valuable ways a student can understand a profession. Through the internship experience, the student will take part in meaningful, hands-on work in one of many technical, skilled and professional occupations. Successful completion of an internship is excellent to add to a resume. The candidate must be in good academic standing and have a good behavioral record. A written application must be submitted and there will be an interview conducted by the Internship Coordinator. The student must complete 40 hours at a location approved by the school and is responsible for her own transportation.

ENGLISH DEPARTMENT
Course Descriptions 2016-2017

The English Department requires that all students take four credits of English. The normal sequence includes English 1, English 2, English 3, and English 4. Advanced Placement options may replace English 3 and English 4 for qualified students.

Students must have a minimum final average of A (93) to move from CP1 to Honors. To remain in an Honors level course, students must maintain at least a C+ (77) average.

(111) English 1 Honors - Language and Literary Genres

Year 1 Credit

Freshmen Honors students examine a variety of literature including the Victorian novels *Great Expectations*, which is the summer reading, and *Jane Eyre*, which students read the first quarter. This tandem reading unit addresses the intertextuality of these two novels of orphans who must overcome great obstacles. After four tests that include five-paragraph essays, the *Jane Eyre* unit culminates in an analytical essay that explores the significance of the use of allusions in the novel and a student-generated game based partially on the novel and partially on one aspect of Victorian life. In addition, the Shakespearean drama *The Tragedy of Romeo and Juliet*, short stories which include Poe's "The Cask of Amontillado," and poetry all delve into the question of what it means to be human. At this level, students spend time relating literary themes and motifs to their own lives as well as to the contemporary world to better recognize that literature has varied real world applications. They also learn literary techniques employed in each genre. Analysis through in-class discussion, writing, and technology helps hone critical thinking skills. Moreover, writing is emphasized throughout the year. Honor students generate thesis statements that they develop into full-length essays. In all writing assignments, students learn critical writing skills such as: how to extrapolate material to form original ideas from research, to use both direct and indirect quotes, to properly cite material, and to format a Works Cited page using MLA formatting style. Students review basic grammar to improve usage in speaking and writing, and consider vocabulary in context from works covered. Honors classes are student-centered in a variety of ways that evolve each year; debates, skits, dramatic readings, student-generated games and contests, Socratic seminars, and technology enhance content. Students develop leadership skills by directing the class through smaller assignments such as homework, worksheets, handouts, as well as larger ones such as in-depth discussions of literature.

(112) English 1 (CP1) - Language and the Elements of Literature

Year

1 Credit

Freshman college prep students explore a multitude of genres including the short story, the novel, the play, and poetry. Students work independently and collaboratively to recognize literary techniques utilized in each. Analysis through discussion, writing, and technology enhances critical thinking skills. Students study grammar including the parts of speech, sentences patterns, and usage to improve their oral and written skills. After examining different parts and qualities of an excellent paragraph, students craft full-length analysis essays. Students also learn how to research, how to use direct quotes, how to cite material, and how to format a Works Cited page. Students broaden their active vocabulary through selected exercises. Major works examined in this course are *The Tragedy of Romeo and Juliet*, "The Cask of Amontillado," and *The House on Mango Street*. The summer reading assignment is the contemporary novel, *Before We Were Free*.

(121) English 2 Honors - Sophocles to Shakespeare

Year

1 Credit

(Prerequisite: English 111-English 1 Honors)

Come journey through the world of myth as we embark on a study of the archetypal hero and examine the every-evolving role a hero plays in society. Students begin coursework with an overview of Greek mythology and examine the various characteristics of the heroic pattern. Students at this level read Homer's *Odyssey* in its entirety and write a comprehensive literary analysis paper examining various critical aspects of the heroic quest. Additionally, students will study ancient Greek drama and the emergence of the tragic hero in Sophocles' *Oedipus*. In the spring, students will closely study the Shakespearean comedy, *A Midsummer Night's Dream*, and end the year with a look at a contemporary tragic hero in a critical analysis of F. Scott Fitzgerald's *The Great Gatsby*. Overall, this coursework is designed to create a student appreciation for literature and language, while instilling the foundation for future writing, research, and critical thinking endeavors. Through student-initiated projects and technology, students will become more proficient with grammar, elevated syntax, interpretive and analytical writing, vocabulary, and independent discovery. Summer reading assignments include Doyle's classic *Hound of the Baskervilles*, and the modern novel, *The Guernsey Literary Potato Peel Society*.

(122) English 2 (CP1) - The Hero's Journey

Year

1 Credit

(Prerequisite: English 112—English 2 CP1)

This course takes students along on the hero's journey, as we read adventures from Shakespeare (*A Midsummer Night's Dream*), classical mythology (the *Odyssey*), Arthurian legend (*Idylls of the King*), and contemporary novels (*The Secret Life of Bees*) for their literary significance and cultural insight. Students review their knowledge and understanding of literary elements from the summer reading (*Dinner at the Homesick Restaurant*) and build and demonstrate their skills through discussion, quizzes and tests, presentations, and projects. Emphasis is on the craft of writing, including principles of grammar, usage, and mechanics, sentence structure, vocabulary, and application of skills to essays of literary analysis.

(1501) English Language and Composition Advanced Placement

Year

1 Credit

(Prerequisite: English 121-English 2H with a minimum final average of a B+/87)

This college-level course taught to juniors, focuses on the four modes of discourse- exposition, argument, narration, and description- and closely analyzes a wide variety of American authors within an historical framework, examining the reciprocal relationship between critical reading and fluent writing. Classwork is rigorous and demanding and students, on average, compose more than 30 individual written works, including arguments, rhetorical analyses, and timed synthesis essays. The course stresses inferential skills, careful analysis of literary techniques, and critical thinking and writing. Emphasis is placed on the writing process, with each student producing an average of 250 pages of written work, including outlines, original drafts, revised drafts, and final compositions. By exploring the structure and stylistic conventions of a range of nonfiction essays, students examine the nuances of diction, syntax, tone, imagery, and organizational patterns. In Socratic-styled seminars, faculty lectures, and group presentations, we focus on the genre of nonfiction from the American Puritan period through contemporary essayists like Annie Dillard, Chet Raymo, David Sedaris, Anna Quindlen, Bill Bryson, Judy Brady, Russell Baker, George Orwell, Virginia Woolf, and E.B. White, among others. Coursework begins with an extensive summer assignment. Introductory reads of Maxine Hong Kingston's *The Woman Warrior: A Girlhood among Ghosts* and Eudora Welty's *One Writer's Beginnings*, allow for critical annotation and in-depth rhetorical analysis papers. Classwork will be assigned over breaks as necessary. Students also practice AP-style multiple choice and timed, free response essay questions in preparation for the national exam. Students are required to take the Advanced Placement examination in the spring.

(131) English 3 Honors - The American Experience **Year** **1 Credit**

(Prerequisite: English 121—English 2 H)

This course is a chronological survey of American literature that situates texts within major movements and time periods. After discussing the summer reading, Edith Wharton's *The House of Mirth*, we will read the Native Americans and Puritans, *The Crucible* and *The Scarlet Letter*. Major literary units will cover rationalism, romanticism, transcendentalism, Whitman and Dickinson, realism, *The Adventures of Huckleberry Finn*, modernism, and we conclude with a modern drama, *The Glass Menagerie*. The primary form of writing will be analytical essays, both short and long, that encourage close reading and occasionally the high-level skill of considering not only what a text means but also how it creates that meaning. Additionally we will explore a range of rhetorical devices in a lab-like setting that has students incorporate them into original work, and we will connect our textual themes and motifs to the contemporary world. An analysis paper on *The Adventures of Huckleberry Finn* is required.

(132) English 3 (CP1) – The American Journey in Literature **Year** **1 Credit**

(Prerequisite: English 121—English 2 H or 122—English 2 CP1)

English 3 is a yearlong seminar on American Literature, the foundation English class for students at the college preparatory level. After discussing the summer reading, *Fahrenheit 451*, we proceed through American literature chronologically and look to draw connections between major movements. We cover the following classic authors: Bradstreet, Edwards, Poe, Emerson, Thoreau, Chopin, London, Whitman, Dickinson, Frost, Faulkner, and Hemingway. The following works are read in their entirety: *The Crucible*, *Adventures of Huckleberry Finn*, *Ethan Frome*, and *The Great Gatsby*. Lectures will supplement student readings, and students will give both individual and group presentations. Students will write in a variety of forms, including poetry and memoir, but the emphasis will be on expository and argumentative writing that readies them for college. An analysis paper on *The Crucible* is required.

(1342) Introduction to Film Studies (CP1) **Semester** **.5 Credit**

Open to juniors and seniors.

This one-semester elective introduces students to the basic concepts and language of film analysis, and to fundamental movie genres and characters, for example, crime drama (*The Godfather*), family drama (*To Kill a Mockingbird*), thrillers (*The Night of the Hunter*) musicals (*Victor/Victoria*), and documentary (*Grizzly Man*). Emphasis is on the development of cinema literacy and analysis of the principles of photography, composition, movement, sound and music, costume and makeup, and editing. Students will demonstrate understanding of film technique in quizzes and tests, written responses, oral presentations, and projects.

(1432) Film and Culture (CP1) **Semester** **.5 Credit**

Open to juniors and seniors

This one-semester elective is designed for students who wish to closely examine visual-both still and moving- representations of ideology and culture. We will consider technique and social context of visual art and develop critical sensitivity to content, tone, and form. Possible subjects include women and gender, youth and coming-of-age, social justice, authority and power, crime and punishment, class, and education. Students will demonstrate understanding through discussion, quizzes and tests, written essays, presentations and projects. Intro to Film Studies is NOT a prerequisite for this elective.

(1361) Modern Literature 1 Honors **Semester** **.5 Credit**

(Prerequisite: English 121 or 131) Open to juniors and seniors.

This elective is designed for students who not only love to read but for students who wish to analyze both life and literature through novels and plays. At the Honors level, students read *The Awakening* by Kate Chopin, *A Separate Peace* by John Knowles, and *One Flew Over the Cuckoo's Nest* by Ken Kesey. In addition, Honors students read a companion piece for each novel. *A Doll's House* is the companion piece to *The Awakening*; *Lord of the Flies* is the companion piece to *A Separate Peace*; and finally, if time permits, *Sometimes a Great Notion* by Ken Kesey as a companion piece to *One Flew Over the Cuckoo's Nest*. Honors students should be aware that the companion pieces are read independently after the class novel is finished. The companion novel is assessed through the Socratic Seminar. The Honors course is

recommended for students who love to read and who have time to complete the companion novel in a short amount of time. Students electing this course need to be aware that there is a reading assignment each night. Tests are analytical writing assignments so that students can explore the depths of the novels. Projects for each assignment are technology based and explore real-world issues. This course is a must in order to explore iconic literary works that are often alluded to in college classrooms.

(136) Modern Literature 1 (CP1)

Semester .5 Credit

Open to juniors and seniors.

This elective is designed for students who wish to analyze both life and literature through the novel. Reading improves critical thinking skills and increases comprehension. College Prep students read three novels: *The Awakening* by Kate Chopin, *A Separate Peace* by John Knowles, and *One Flew Over the Cuckoo's Nest* by Ken Kesey. Students electing this course need to be aware that there is a reading assignment each night. Tests are analytical writing assignments so that students can explore the depths of the novels. Projects for each assignment are technology based and explore real-world issues. This course is a must in order to explore iconic literary works that are often alluded to in college classrooms.

(1371) Modern Literature 2 Honors

Semester .5 Credit

(Prerequisite: English 121- English 2 H or English 131- English 3 H) *Open to juniors and seniors.*

Like Modern Literature 1 Honors, the focus continues to be placed on contemporary philosophical thought in literature . the novel, in particular. The novels read are *The Color Purple* by Alice Walker, *A Catcher in the Rye* by J.D. Salinger. The companion novel for *A Catcher in the Rye* is *Franny and Zooey* by J.D. Salinger. The last unit will focus on short fiction: students will choose a short story that they present interactively to the class; their presentation will include: vocabulary, background or context, questions, and personal response. All or most of the presentation must be interactive and technology based. Group projects, student presentations, and other student-centered work as well as analytical writing assignments are used to analyze the literature. Modern Literature 1 Honors is not a prerequisite in order to take Modern Literature 2 Honors. Students complete the course work of English 137 and are required to complete additional independent outside reading. This course is a must in order to explore iconic literary works that are often alluded to in college classrooms.

(137) Modern Literature 2 (CP1)

Semester .5 Credit

Open to juniors and seniors.

Like Modern Literature 1 CP, the focus continues to be placed on contemporary philosophical thought in literature . the novel, in particular. The novels read are *The Color Purple* by Alice Walker, *A Catcher in the Rye* by J.D. Salinger. The last unit will focus on short fiction: students will choose a short story that they present interactively to the class; their presentation will include: vocabulary, background or context, questions, personal response, and real-world connections. All or most of the presentation must be interactive and technology based. Group projects, student presentations, and other student-centered work as well as analytical writing assignments are used to analyze the literature. Modern Literature 1 is not a prerequisite in order to take Modern Literature 2. Students complete the course work of English 137 and are required to complete additional independent outside reading. This course is a must in order to explore iconic literary works that are often alluded to in the college classroom.

(1601) English Lit and Comp Advanced Placement

Year 1 Credit

(Prerequisite: English 1501—English Lang AP with a minimum final average of B- (80) or English 131—English 3 H with a minimum final average of B+ (87) *Open to seniors.*

Designed for seniors who are motivated, disciplined, and willing to engage in complex and profound work, this rigorous course emphasizes analytic and critical reading and writing. The course load begins over the summer months with two independent reads . *Wuthering Heights* and *The Kite Runner*. Students receive a summer reading essay assignment on one of the two works and complete their first analytical essay due the first day of class. Although the course includes several works by non-English authors, for example, John Steinbeck's *The Grapes of Wrath*, Toni Morrison's *Beloved*, and Gabriel Garcia Marquez's *100 Years of Solitude*, the bulk of the fictional work is British. Emphasis is on close examination, discussion, and writing to understand, explain, and evaluate techniques in structure and style in both

prose and poetry. Classwork will be assigned over breaks as necessary. Students also practice AP-style multiple choice and essay questions to prepare for the examination in the spring. Students are required to take the Advanced Placement exam in the spring.

(141) English 4 Honors – Man, Monster, & Meaning - The British Tradition Year 1 Credit

(Prerequisite: English 131—English 3 H)

The English 4 Honors curriculum is taught at an accelerated pace and with studied intellectual depth to cover the major literary movements of the British tradition, from its earliest roots in Celtic and Anglo-Saxon poetry, to the playwrights and sonneteers of the English Renaissance, to the major poets of the Romantic and Victorian era. Summer reading selections of *Rebecca* and *Far From the Madding Crowd* are the foundation of a summer writing assignment. Through a yearlong introspective, we analyze classic and contemporary authors that include: the Beowulf scop, Chaucer, Blake, Byron, Wordsworth, Keats, Shakespeare, Shelley, Yeats, Milton, Pope, and Woolf, among others. Major reads include: *Beowulf*, *The Canterbury Tales*, *Macbeth*, *King Lear*, *Dr. Jekyll and Mr. Hyde*, and *Frankenstein*. The seminar is organized by small group and individual presentations, with Honors-level students garnering the responsibility to supplement teacher lectures with independent reading and research. Writing structures for all modes of discourse are explored and practiced to ensure that students are confident and adept at college-caliber analysis and argument. Major papers of literary analysis are assigned for *The Canterbury Tales*, *Macbeth*, and *Frankenstein*.

(142) English 4 (CP1) - Man, Monster and Meaning in the British Tradition Year 1 Credit

(Prerequisite: English 131—English 3 H or 132—English 3 CP1)

What a piece of work is man!+(*Hamlet* 2.2.303). Marvel with Shakespeare, rebel with Wordsworth, and debate with Jane Austen as we explore the complexities of the human spirit throughout the year. A chronological study of British literature, this course challenges students to examine their relationship with the world, with nature, and with themselves, as they read and study classics from the English literary canon. Works read include: *Beowulf*, selections from *The Canterbury Tales*, poetic translations of Arthurian legend, *Hamlet*, various Shakespearean sonnets, Romantic poetry, *Frankenstein*, and *Pride and Prejudice*. Additionally, students are introduced to the mystery genre with a summer read of Agatha Christie's *And Then There Were None*. Particular attention is paid to close reading and comprehension of difficult texts as seniors ready themselves for college-level course work. Students will have ample opportunities throughout the year to develop and synthesize their understanding of literature, its historical context, and its relevance in today's world. Students will continue to hone their writing skills as they write various pieces of literary analysis and develop and craft a literary analysis paper on Mary Shelley's *Frankenstein*.

MATHEMATICS DEPARTMENT
Course Descriptions 2016-2017

The Mathematics Department requires that all students take three credits of high school math; four credits are recommended for most students.

Students must have a minimum final average of A (93) to move from CP1 to Honors. To remain in an Honors level course, students must maintain at least a C+ (77) average.

(411) Algebra 1 Honors **Year** **1 Credit**
(Prerequisite: Administration determines placement)
This course stresses the structure of Algebra and the development of computational and problem solving skills. Topics include properties of real numbers, simplifying expressions, solving equations and inequalities, factoring, fractions, polynomials, and graphing. A graphing calculator is required for this course.

(412) Algebra 1 (CP1) **Year** **1 Credit**
(Prerequisite: Administration determines placement)
This course stresses the use of linear equations and inequalities to represent real-world data. The student's knowledge is further enhanced through an introduction to quadratic, polynomial, exponential, and rational functions. A graphing calculator is required for this course.

(413) Algebra 1 (CP2) **Year** **1 Credit**
(Prerequisite: Administration determines placement)
This course is similar to Mathematics 412; it is differentiated by presentation, book and difficulty.

(421) Geometry Honors **Year** **1 Credit**
(Prerequisite for freshmen: Administration determines placement. Students should have successfully completed a full year of Algebra 1 at the honors level in Grade 8)
(Prerequisite for sophomores: Math 411—Algebra 1 H)
This course introduces students to deductive reasoning and logical problem solving. Topics include angles, perpendicular and parallel lines, congruent and right triangles, similar polygons, area and volume of polygons and solids. Other topics include coordinate geometry and transformations.

(422) Geometry (CP1) **Year** **1 Credit**
(Prerequisite for freshmen: Administration determines placement. Students should have successfully completed a full year of Algebra 1 in Grade 8)
(Prerequisite for sophomores: Math 412—Algebra 1 CP1; or Math 413—Algebra 1 CP2 with a recommended minimum final average of 85)
This course is similar to Math 421; it is differentiated by presentation, book and difficulty.

(423) Geometry (CP2) **Year** **1 Credit**
(Prerequisite: Math 413—Algebra 1 CP2; or Math 412—Algebra 1 CP1)
This course is similar to Math 422· Geometry CP1; it is differentiated by presentation, book and difficulty.

(431) Algebra 2 and Trigonometry Honors

Year

1 Credit

(Prerequisite: Math 421—Geometry H)

This course focuses on the study of linear, quadratic, exponential, logarithmic, and trigonometric functions. Within this context, properties of polynomials, rational expressions, radicals and complex numbers are explored. Additional topics include matrices, conic sections, sequences, series and combinatorics. A graphing calculator is required for this course.

(432) Algebra 2 (CP1)

Year

1 Credit

(Prerequisite: Math 422—Geometry CP1; or Math 423—Geometry CP2 with a recommended minimum final average of 85)

This course is a study of functions - linear, quadratic, exponential and logarithmic functions with focus on graphing and applications. It also includes matrices, equations, systems of equations, the complex number system, and abstract exercises useful for SAT preparation. A graphing calculator is required for this course.

(433) Algebra 2 (CP2)

Year

1 Credit

(Prerequisite: Math 423—Geometry CP2; or Math 422—Geometry CP1)

This course is a review of Algebra I and introduces the student to quadratic equations, rational expressions, word problems, graphing, exponents and radicals. The student is also given assignments to specifically prepare for SAT test taking. A graphing calculator is required for this course.

(441) Pre-Calculus Honors

Year

1 Credit

(Prerequisite: Math 431—Algebra 2 & Trigonometry H; or students with a minimum final average of A (93) in Alg 2 CP1 who elect 441 must complete significant independent work and pass a department exam with a minimum grade of 83)

This course studies functions as models of change. It focuses on a thorough knowledge of functions . linear, exponential, logarithmic, trigonometric, polynomial, and rational . their graphs, and their uses as models for real world situations. It also includes additional pre-calculus topics, such as limits, as time permits. A graphing calculator is required for this course.

(4042) Pre-Calculus (CP1)

Year

1 Credit

(Prerequisite: Math 432· Algebra 2 CP1 with a recommended final average of B (85) or a required final average of B- (80))

This course is similar to Pre-Calculus Honors; it is differentiated by presentation and difficulty. A graphing calculator is required for this course.

(4421) Elementary Discrete Mathematics Honors

Semester

.5 Credit

UConn Course Number MATH 1030Q Elementary Discrete Math

(Prerequisite: Math 432—Algebra 2 CP1 with a minimum final average of B- (80) or Math 431—Algebra 2 & Trigonometry H)

Problem solving and reasoning skills are developed in an interactive setting while covering voting methods, apportionments, mathematics of finance, counting, probability, and graph theory. A graphing calculator is required for this course. Students may elect to take this course for UConn credit.

(4422) Statistics (CP1)

Semester

.5 Credit

(Prerequisite: Math 432—Algebra 2 CP1 with a minimum final average of B- (80) or Math 431—Algebra 2 & Trigonometry H)

This is an introductory course in statistics with an emphasis on statistical thinking that prepares a student for a college level statistics course. Applications to various fields are used to explore statistical ideas and reasoning. Students have opportunities to investigate, discuss and make use of statistical ideas and methods. A graphing calculator is required for this course.

(4403) Applications of Mathematics (CP1) **Semester .5 Credit**
(Prerequisite: Math 432—Algebra 2 CP1 or 433—Algebra 2 CP2) Open to seniors.

Students use the technology of graphing calculators, computer application programs, the internet, and spreadsheets to investigate real life applications of mathematics. Students model applications using linear and exponential functions in Excel and present their findings in portfolios requiring Word and Excel documents. Probability and statistics are used to explore and analyze data. A unit on practical financial knowledge is also included. Portfolios are used in addition to traditional methods of assessment.

(442) Personal Financial Literacy (CP1) **Semester .5 Credit**
(Prerequisite: Math 432· Algebra 2 CP1 or 433· Algebra 2)

This course introduces students to the study of personal finance. Topics include income, money management, spending and credit, and saving and investing. Students must be able to access the Internet outside of class to complete assignments and research topics.

(451) Calculus Advanced Placement **Year 1 Credit**
(Prerequisite: Math 441—Pre-Calculus H with a minimum final average of B (85))

This course covers all topics outlined for Calculus AB in the AP College Board course description. Students are expected to work rigorously both in and outside of class and demonstrate a desire and ability to work independently. The time commitment will vary depending on the ability, intensity and learning style of each student, but she can expect to spend between 6 and 10 hours per week outside of class. Problems sets consisting of free response questions are assigned weekly in addition to regular homework. A TI color graphing calculator, the current textbook, and a supplementary AP practice workbook are required. Students are required to take the Advanced Placement examination in the spring.

(462) Engineering Design (CP1) **Semester .5 credit**
(Prerequisite Math 422 . Geometry (CP1) or Math 421 . Geometry Honors)

Open to juniors and seniors. This is a hands-on project based course where students will collaborate to design and manufacture a final project. Students will develop their interpersonal skills and creative abilities while applying math, science, and technology concepts to create engineering design solutions. Students will be exposed to design process, research and analysis, and computer-aided design (CAD), fabrication, and technical documentation.

(4451) Advanced Placement Computer Science Principles **Year 1 Credit**
(Prerequisites: Math 431 – Alg2/Trig or minimum final average of B(83) Math 432 – Alg 2 CP1)

This course introduces students to computer science and the art of programming. While exploring how computing and technology can impact the world, the students will learn how to think algorithmically and solve problems efficiently. Problem sets will be inspired from various fields and use different languages (including C). This is a rigorous course designed for students with or without prior programming experience. The work load will be heavier than non-AP courses and there will be assignments over vacations. Students are required to take the Advanced Placement Computer Science Principles examination.

MUSIC DEPARTMENT **Course Descriptions 2016-2017**

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| (324) Freshman Choir | Year | 1 Credit |
| <i>Open to freshmen.</i> | | |
| In this class students work toward team-building, sharing responsibility, and respecting others. They learn and improve proper vocal production, range, breath support, music reading skills, and listening skills. Appreciation for various styles of choral music is stressed. There are two major performances per year. The purchase of a choir dress is required. | | |
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| (325) Concert Choir | Year | 1 Credit |
| <i>Open to sophomores, juniors and seniors.</i> | | |
| Students work toward team-building, sharing responsibility, and respect for others. They improve vocal production, range, breath support, music reading skills, and listening skills. Expanded appreciation for various styles of choral music is stressed. There are two major performances per year. The purchase of a choir dress is required for those who were not members of freshman choir. | | |
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| (329) Advanced Vocal Ensemble | Year | 1 Credit |
| <i>Open to sophomores, juniors and seniors by audition.</i> | | |
| This is a chamber choir whose members serve as “musical ambassadors” to school and community. Emphasis is on proper vocal production, intonation, musicality, solo and choral repertoire, and music reading. Students work toward team-building, sharing responsibility, and respecting others, with many opportunities for performances throughout the year. Purchase of a choir dress is required. | | |
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| (3311) Fundamentals of Music Theory Honors –
UConn Course Number MUSI1011 Music Fundamentals and Ear Training 1 | Year | 1 Credit |
| <i>(Prerequisite: A grade of 75 or higher in all previous CP1 math classes or 85 or higher in CP2 Math classes.) Open to juniors and seniors.</i> | | |
| This class offers an introduction to the basic concepts of music theory. Scales, chords, intervals and meter are studied. Students work toward gaining a fuller understanding of the basic concepts of how music is written and put together. This class requires the same thought process as many math classes and does require memorization. Students may elect to take this course for UConn credit. | | |
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| (3532) Symphonic Orchestra | Year | 1Credit |
| <i>Open to freshmen, sophomores, juniors and seniors</i> | | |
| Symphonic Orchestra is a performance ensemble comprised of string instruments (Violin, Viola, Cello, and String Bass), Woodwind, Brass, and Percussion (including piano), guitar and electric bass. The group studies artistically, intellectually, and emotionally challenging band and orchestra literature ranging from traditional to contemporary styles. Improving individual musicianship and technique are emphasized as well as player collaboration to assure success as an ensemble. Symphonic Orchestra meets twice a cycle in sectionals (strings/woodwind, brass, and percussion), and twice a cycle as a whole ensemble within the regular school day. Students are required to practice outside of school for at least 40 minutes a week. Symphonic Orchestra performs at two concerts (winter and spring), LH Open House in the fall and <i>Discover Lauralton</i> in the spring. Musicians are expected to have some prior experience on their instrument, but new students are encouraged to join! Opportunities also exist for students to learn additional instruments, and perform in smaller groups with teacher approval. Senior instrumentalists are featured in the spring concert. Attendance is mandatory at all scheduled performances, including the two formal rehearsals the day prior to each concert. Purchase of a concert outfit is required. | | |

PHYSICAL EDUCATION/HEALTH DEPARTMENT
Course Descriptions 2016-17

(001) PE/Health 1

Year

1 Credit

Required of all freshmen.

Freshmen PE is a complete health and fitness program, together with team and lifetime sports. Activities may include fitness testing, circuit training (including THR's), badminton, floor hockey, ultimate Frisbee, yoga, pickle-ball, football, cricket. All Freshmen students are provided with appropriate and supervised training in the school's Fitness Room during Physical Education classes as part of the curriculum.

Freshmen Health addresses issues which apply to today's adolescent girl, providing the students with accurate, updated information and tools necessary for them to make healthy choices in their lives. Health classes for Freshmen may consist of self-image, eating disorders, sleep and stress management, healthy relationships, sex education, nutrition, drug, tobacco and alcohol education, women's health issues (breast health, reproductive issues). New to the Freshmen class as part of the Health curriculum is the Four-year Planning Program in collaboration with the Guidance Department at the end of the first semester.

(0091) Physical Education Leaders

Semester

.25 Credit

Elective open to juniors and seniors with Departmental approval

Students with an interest in pursuing a Physical Education career and/or continuing with their Physical Education activities during high school assist PE teacher as a PE Leader in PE 1 Freshmen classes. Responsibilities may include assistance with taking attendance, class preparation and class participation. Grading based on student's overall performance as a leader, mentor, participator and/or assistant. Required of all PE Leaders for final grade is 100% participation for respective Freshmen class.

RELIGIOUS STUDIES DEPARTMENT
Course Descriptions 2016-2017

Service Requirement

Religion credit is dependent upon satisfactory completion of service hours.

- Freshmen:** Fifteen hours of community service.
Sophomores: Thirty hours of community service outside Lauralton Hall.
Juniors/Seniors: Fifteen hours of community service each year, of which at least ten hours must be outside Lauralton Hall. Five hours may be served within the Lauralton Hall community.

(0102) Freshman Religion – The Bible & Jesus Christ

Year 1 Credit

Required of freshmen.

Recognizing that incoming freshmen have varying degrees of familiarity with Catholicism, the year begins by orienting students to the basic beliefs and practices of Catholicism as they pertain to the Sacred Scriptures. It does not assume any previous knowledge of the subject. Students are provided with an introduction to the Sacred Scriptures and to the unfolding of salvation history, with a particular focus on Jesus Christ as the fulfillment of salvation history. It explores Divine and natural Revelation, inspiration, and Biblical interpretation. Students will come to know the people of salvation history and the role of the Scriptures in the life of faith for the individual and for the entire Church. The second half of the year provides an in-depth study of Jesus Christ, the Second Person of the Trinity. Students will work toward a deeper understanding of Divine Revelation, the Trinity, and salvation through the life and teachings of Jesus.

(0202) Sophomore Religion – The Paschal Mystery & The Church

Year 1 Credit

Required of sophomores.

The goodness of creation, original sin, and the promise of a Messiah are the starting points for this year, which explores our salvation through the life, suffering, death, Resurrection, and Ascension of Jesus Christ. The course also explores how the Paschal Mystery impacts our daily lives, our prayer, and our participation in the life of the Church. After an in-depth look at the Paschal Mystery, the second half of the year will provide students with an overview of the Catholic faith in an effort to deepen our awareness of what it means to be a people of God. The mission, identity, structure, and origin of the Church are explored. Special emphasis is placed on the different responses required of all members of the church, including the laity, the clergy, the hierarchy, and those in religious life. They will also engage in a discussion of the seven sacraments and the global presence of the Church as a light to all people.

(0362) Junior Religion 1 – Morality

First Semester

.5 Credit

Required of juniors.

This course addresses how a relationship with Christ and the Church can lead to choices that are in accord with God's plan. It emphasizes the way that choices (both large and small), habits, and patterns of behavior affect the student's relationships with God and others. Course topics include virtues, vices, love, sin, honesty, alcohol and drug abuse, sexuality, and more. Activities in class help students come to a better understanding of how attentiveness to these areas of human development serves as a basis for sound moral decision making.

(0372) Junior Religion 2 Christian Peace and Justice Second Semester .5 Credit

Required of juniors.

This course explores the Christian call to peace and justice that stems from the life and teachings of Jesus and the principles of Catholic Social Teaching. The goal of the course is to empower students to promote the Reign of God in the world today as compassionate disciples and thoughtful citizens capable of eliminating injustice. After a brief overview of the history of Catholic Social Teaching, the class explores local and global issues, including discrimination, poverty, and a consistent ethic of life, in relation to the principle of the life and dignity of the human person. Special attention is paid to the way that the individual's choices impact the common good.

(0472) Senior Religion 1 - Morality First Semester .5 Credit

Required of seniors.

This course addresses how a relationship with Christ and the Church can lead to choices that are in accord with God's plan. It emphasizes the way that choices (both large and small), habits, and patterns of behavior affect the student's relationships with God and others. Course topics include virtues, vices, love, sin, honesty, alcohol and drug abuse, sexuality, and more. Activities in class help students come to a better understanding of how attentiveness to these areas of human development serves as a basis for sound moral decision making.

(0482) Senior Religion 2 – Christian Peace and Justice Second Semester .5 Credit

Required of seniors.

This course explores the Christian call to peace and justice that stems from the life and teachings of Jesus and the principles of Catholic Social Teaching. The goal of the course is to empower students to promote the Reign of God in the world today as compassionate disciples and thoughtful citizens capable of eliminating injustice. After a brief overview of the history of Catholic Social Teaching, the class explores local and global issues, including discrimination, poverty, and a consistent ethic of life, in relation to the principle of the life and dignity of the human person. Special attention is paid to the way that the individual's choices impact the common good.

HISTORY DEPARTMENT
Course Descriptions 2016-2017

The History Department requires that each student take 3 credits on the high school level. Required courses include World History, Modern World History, U.S. Government and U.S. History.

Students must have a minimum final average of A (93) to move from CP1 to Honors. To remain in an Honors level course, students must maintain at least a C+ (77) average.

(211) World History Honors

Year

1 Credit

This survey course traces civilization in traditional Western societies as well as the Middle East, China, Japan, and India, from the 5th to the mid-19th Century. Topics include feudalism, the Crusades, Muhammad and the Islamic Empire, Chinese Dynastic rule, Indus River Valley, Renaissance and Reformation, Age of Exploration, Absolutism in Europe, the Enlightenment, French Revolution, Napoleon and the Congress of Vienna, and the European Industrial Revolution. Particular attention is paid to the importance, development, and impact of religion in the various areas of study including Christianity, Judaism, Islam, Hinduism, and Buddhism. Skills in note-taking, outlining, essay writing, and primary source analysis will be developed and reinforced. Students will create an Annotated Bibliography in preparation to completing a thesis-driven research paper using MLA formatting, during the second, third, and fourth marking periods. Students will also learn to evaluate the reliability of internet resources during the research process. In addition to unit examinations, the course utilizes Infographics, student debate, oral and multi-media presentations, simulations, blogs, DBQs, dramatic readings, creative writing assignments, and author visits.

(212) World History (CP1)

Year

1 Credit

This survey course traces civilization in western European societies as well as the Middle East and Asia, from the 5th through the mid-19th Century. Students explore the effects of political, social, economic and religious events from various historical periods, including the Middle Ages, Islamic Empire, Japanese feudalism, Chinese Dynasties, Mongol invasions and conquests that spanned the Asian continent, the influence of the Renaissance and Reformation, European Monarchies, the French Revolution, and the Industrial Revolution. Skill development in note-taking, outlining, test taking, and geography and mapping are emphasized and reinforced throughout each unit, with a strong emphasis on essay writing. Students also learn how to analyze primary and secondary source documents as well as research methods necessary to complete a research paper. Special attention is paid to the identification of credible internet sources and the development of computer research skills.

(241) Modern World History Honors

Semester

.5 Credit

(Prerequisite: History 211 or minimum final average of A (93) in History 212)

This course is a survey of 19th, 20th and 21st Century forces of globalization on traditional Western and non-Western societies. Students examine the impact and influence of the Industrial Revolution, Western Imperialism, WWI, Communist Revolutions, Interwar, WWII, Decolonization, Cold War, and the European Union on Asia, Africa, and the Middle East and why these regions struggle for stability today. Although the course is organized chronologically, students focus on several themes throughout the year, paying particular attention to social, political, economic, philosophical, and cultural changes. Essay writing, collaborative note-taking, research, solution based projects, debating, geography skills and synthesis of viewpoints from primary sources are emphasized. Special attention is paid to the development of Internet information gathering skills with a particular focus on the identification of credible sources.

(242) Modern World History (CP1)

Semester .5 Credit

(Prerequisite: History 211 or 212)

This course is a survey of 19th, 20th and 21st Century forces of globalization on traditional Western and non-Western societies. Students examine the impact and influence of Western Imperialism on Africa and China. In conjunction with the unit on WWI, students read *All Quiet on the Western Front*. Students then study Karl Marx and the *Communist Manifesto*, and the Communist Revolutions. This is followed by the Interwar Years, the communist and fascist dictators and WWII. The semester ends with a unit on the Cold War, the study of the continuous struggle for stability in the Middle East and finally a unit about the ongoing struggles between the Western and Islamic worlds. Essay writing, note-taking, research for solution based projects, geography skills and analysis of primary sources are emphasized. Special attention is paid to the development of Internet information gathering skills with a particular focus on the identification of credible sources.

(2221) United States Government Honors

Semester .5 Credit

(Prerequisite: History 211 or minimum average of A (93) in History 212)

This course provides students with an introduction to the development of the American government focusing on the executive, legislative, and judicial branches and examines the United States legal system and constitutional history with special emphasis on the application of the Bill of Rights in recent years. Mock trials and historic Supreme Court decisions will be used to develop an in-depth understanding of the historical background and present-day constitutional controversy over such topics as free speech, censorship, affirmative action, and the rights of the accused. Students continue to refine research gathering, outlining, and note-taking skills and develop the skills necessary to complete a research paper. Use of iPads with varied applications, current events and political projects are utilized in this course.

(2222) United States Government (CP1)

Semester .5 Credit

(Prerequisite: History 211 or 212)

This course is a survey of the executive, legislative, and judicial branches of government and a study of democracy in action. Students learn about the roles, the people and the decision making process for each branch of government. The students then apply their foundation of knowledge as they study each of these departments in action as current events unfold. Students also examine the creation of the United States government with special emphasis on the Declaration of Independence, The Constitution, and the Bill of Rights including the application of knowledge of the Constitution and the Bill of Rights as applied to landmark Supreme Court Cases and important Supreme Court decisions that have been made in recent years. Students continue to refine essay writing, note-taking, research for solution based projects, U.S. political geography skills and analysis of primary sources. Special emphasis is placed on the development of Internet information gathering skills with a particular focus on the identification of credible sources.

**(2301) United States History Advanced Placement - UConn ECE
UConn Course Number HIST1501 and HIST1502**

Year 1 Credit

(Prerequisite: minimum final average of B- (80) in History 2211 or minimum average of A- (90) when averaging final grades in History 2221 and History 241.)

This course allows students the opportunity to learn to think like historians. Beginning in the colonial period and concluding with modern day America, students will develop the ability to think conceptually about United States History. Designed to challenge disciplined students who demonstrate talent and interest in history, this course provides students the opportunity to analyze historical evidence, identify patterns and connect them to larger historical themes, and synthesize evidence from primary sources and secondary works. Through the use of rigorous college-level readings, students will be challenged to develop and apply a deep knowledge base upon which to write expository essays analyzing historical contexts. An annotated bibliography, based on independent research, is required. AP U.S. History is designed to be a two-semester introductory college or university history course. Students should be aware of the heightened expectations, effort, and commitment required to achieve success in

an Advanced Placement course. There are weekly homework assignments including reading, writing, researching and analyzing documents. Students should expect to spend 2-3 hours per week outside of class on course work. The course also includes a summer assignment from the text and a summer reading book with a test on the first day of class. Students may elect to take this course for UConn credit. Students are required to take the Advanced Placement examination in the spring.

(231) United States History Honors

Year

1 Credit

(Prerequisite: History 2211, a minimum average of C+(77) when averaging final grades in History 241 and 2221, or minimum average of A (93) and when averaging final grades in History 2222 and History 242.) Open to juniors and seniors.

This survey course starts with the formation and challenges of the early republic and moves throughout the history of America into modern day. Emphasis will be placed on social, political, economic, and domestic and foreign policies, efforts and impacts. The course integrates analytical reading and writing skills while exploring and examining the major topics covered in U.S. History. Students are required to evaluate primary sources, and varying points of view offered in texts as well as in current events. Students must also analyze political cartoons, movies and literary works throughout the year to help them build a holistic understanding of history and the impact of these events. Multi-media projects, class discussions, debates and the use of iPads with varied applications will be utilized in this course. In addition, students complete a comprehensive research paper which they will chose a topic of choice on an area of American study. Emphasis will be placed throughout the year on conducting research, evaluating the authenticity of sources, integrating research into the students own commentary while practicing proper ethics for citations.

(232) United States History (CP1)

Year

1 Credit

(Prerequisite: History 242) Open to juniors and seniors.

This survey course integrates analytical reading and writing skills while exploring and examining the major topics covered in U.S. History. Students are required to evaluate primary sources, and varying points of view offered in texts as well as in current events. Multi-media projects, class discussions, debates and the use of iPads with varied applications will be utilized in this course. In addition, students complete a comprehensive research paper which they will chose a topic of choice on an area of American study. Emphasis will be placed throughout the year on conducting research, evaluating the authenticity of sources, integrating research into the students own commentary while practicing proper ethics for citations.

(2211) European History Advanced Placement – UConn ECE
UConn Course Number HIST1400

Year

1 Credit

(Prerequisite: minimum final average of B- (80) in History 2301 or minimum average of A- (90) when averaging final grades in History 2221 and History 241 or minimum of B (83) in History 231.) Open to juniors and seniors.

Students take on the role of historians as they investigate cultural, economic, political, and social developments from the High Renaissance through the examination of Europe's current position in the world. These focus areas provide context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. Synthesis of conflicting viewpoints through the analysis of primary and secondary sources is emphasized. In order to cover the required College Board curriculum and be prepared for the exam, there will be a summer assignment and homework assignments that are due shortly after returning from breaks. Students should plan on 1 to 2 hours of homework per hour in class. This includes prep time for tests, dbqs, projects, readings and study questions/notes. Students may elect to take this course for UConn credit. Students are required to take the Advanced Placement examination in the spring.

(251) Economics Honors – UConn ECE
UConn Course Number ECON1000

Semester .5 Credit

Open to juniors and seniors

This is an elective designed to approximate a college level course in microeconomic, macroeconomic, and Global economic theory and issues. Students are introduced to the economic way of thinking. The course explores the ideas and concepts of opportunity cost, supply and demand, how markets work (or fail to work), how people and firms make economic decisions (thinking at the margin), government intervention and its effects, market structures (monopoly, perfect competition, monopolistic competition, oligopoly), monetary and fiscal policy, unemployment, the business cycle, GDP and its components, the US banking system, absolute advantage vs. comparative advantage, international trade, protectionism, and globalization. Students participate in a stock market simulation during the entire semester.

Research, debate, presentation and writing skills in economics are emphasized. Students may elect to take this course for UConn credit.

(291) Current Issues Honors

Semester .5 Credit

Open to seniors.

The goal of this seminar is to have open discussions of political and social issues and raise awareness of current world events. Students will explore not only the events of the day but also their relationship to their government, their rights, and the world in which they live. Students will explore these relationships in a skill based environment, where they will develop mastery of the following skills to assist their exploration: reading comprehension, written communication, oral communication, critical analysis, research, and understanding viewpoints of others. As a skills based class student assessment will be on the development of these skills as applied to the content of the course. Classroom discussion, presentation skills and critical thinking skills are stressed.

(272) Current Issues (CP1)

Semester .5 Credit

Open to seniors.

This course follows the curriculum of the Current Issues honors course. Assessments are modified.

(281) Global Studies Honors

Semester .5 Credit

Open to juniors and seniors.

This is an elective course that focuses on the history and culture of areas of Asia, Africa, and the Middle East focusing on China, Japan, India, Sub-Saharan Africa including South Africa, Saudi Arabia, Iraq and Afghanistan giving students a deeper awareness of the world around them. This is a project-based class with no exams. Each unit requires students to complete an extensive multi-media presentation. Several unit projects require successful student collaboration. Several themes are prevalent throughout the course including Pollution, Human Trafficking, Children at Risk, Aids, Terrorism, Water, Political and Economic Instability, and Religion. In addition, students complete a comprehensive portfolio and film project that runs the entire semester in which they choose a global issue, propose and develop real world solutions. Each unit includes readings from various texts and outside resources. Students must also summarize and offer opinions on assigned current events for each unit. Analytical skills, synthesis of conflicting viewpoints, and conducting research are emphasized in this course.

(282) Global Studies (CP1)

Semester .5 Credit

Open to juniors and seniors.

This is an elective course that focuses on the history and culture of areas of Asia, Africa, and the Middle East focusing on China, Japan, India, Sub-Saharan Africa including South Africa, Saudi Arabia, Iraq and Afghanistan giving students a deeper awareness of the world around them. Each year an additional area of study will be added to the course to reflect modern developments in the region. This is a project-based class with no exams. Each unit includes readings from various texts and outside resources. Students must also summarize and offer opinions on assigned current events for each unit. Analytical skills, synthesis of conflicting viewpoints, and conducting research are emphasized in this course. Each unit requires students to complete an extensive multi-media presentation. Emphasis is placed on research, class discussions and student collaboration. In addition, students complete a comprehensive portfolio and film project that runs the entire semester in which they choose a global issue, propose and develop real world solutions. Several themes are prevalent throughout the course including Pollution, Human Trafficking, Children at Risk, Aids, Terrorism, Water, Political and Economic Instability, and Religion.

(261) Women's Studies Honors

Semester .5 Credit

Current Global Empowerment and Awareness

Open to juniors and seniors.

This is a one-semester elective course. Students take on the role of investigators to examine how current women are making contributions that either empower them or make the world aware of injustices to them both globally and nationally from political, social, economic, religious, scientific, and artistic viewpoints. This is a project-based course with a class portfolio depicting collaborative research collections from websites and assessments/blogs. Students debate and discuss the researched information. Students further develop their skills in evaluating Internet sources, research, attribution and writing; recognizing point of view, historiography, rhetoric, propaganda, and metaphors; as well as strategizing to make a difference.

(262) Women's Studies (CP1)

Semester .5 Credit

Open to juniors and seniors.

This course follows the curriculum of the Women's Studies honors course. Assessments are modified.

SCIENCE DEPARTMENT Course Descriptions 2016-2017

The Science Department requires that all students take a minimum of three credits of high school science; most students take four credits and some students take five credits.

Students must have a minimum final average of A (93) to move from CP1 to Honors. To remain in an Honors level course, students must maintain at least a C+ (77) average.

(5111) Newtonian Physics Honors **Year** **1 Credit**

(Prerequisite: Math 411—Algebra H or Math 421—Geometry H taken concurrently)

This course is an algebra-based introduction to the foundations of physics. Areas of study include classical physics: kinematics, dynamics, gravitational attraction, energy, momentum, collisions, rotational motion, static equilibrium and harmonics. The laboratory requirement emphasizes real-life applications of these physics concepts through hands-on activities, virtual and actual demonstrations.

(5122) Newtonian Physics (CP1) **Year** **1 Credit**

This course is an algebra-based introduction to the foundations of physics. Areas of study include classical physics: kinematics, dynamics, gravitational attraction, energy, momentum, collisions, and static equilibrium. The laboratory requirement emphasizes real-life applications of these physics concepts through hands-on activities, virtual and actual demonstrations.

(5123) Newtonian Physics (CP2) **Year** **1 Credit**

This course is identical in content to the Newtonian Physics CP1 course (5122) with a greater emphasis on vocabulary and individualized instruction. Inquiry and experimental activities reinforce key concepts and skills.

(5231) Chemistry Honors **Year** **1 Credit**

(Prerequisite: Science 5111—Physics H)

This Accelerated Chemistry Course is designed to be the equivalent of the first semester general chemistry course for science majors taken during the first year of college. Students successfully completing this course will have an exceptional understanding of the fundamentals of chemistry and achieve proficiency in solving chemical problems. This course will contribute to the development of each student's ability to think critically and to express her ideas, in both oral and written fashion, with clarity and logic. Students must be disciplined, self-motivated and industrious. Students will be able to quantitatively and qualitatively describe matter and its changes by applying concepts of liquids, solids, gases, solutions, chemical reactions, atomic theory, chemical bonding, stoichiometry, and thermodynamics. Apply and analyze chemical concepts through chemical calculations such as percent composition, molar masses, empirical formulas, and gas laws. Create, conduct, and analyze the laboratory experiments to engage and reinforce learning of concepts taught throughout the course. Demonstrate critical and independent thinking and an appreciation for the natural world.

(5232) Chemistry (CP1) **Year** **1 Credit**

(Prerequisite: Science 5122—Physics CP1)

This course is a study of the structure and interaction of matter. Emphasis is placed on reinforcement of skills learned in physics: problem solving, vocabulary, formula writing, chemical equations, nomenclature and the atomic theory. The course includes one lab per unit, which allows for the observation and study of chemical processes.

(5233) Chemistry (CP2) **Year** **1 Credit**

(Prerequisite: Science 5123—Physics CP2)

This course is identical in content to the Chemistry CP1 course (5232) with a greater emphasis on vocabulary and individualized instruction. Inquiry and experimental activities reinforce key concepts and skills.

(5311) Cellular and Molecular Biology Honors **Year** **1 Credit**

(Prerequisite: Science 5231—Chemistry Honors)

This course is equivalent to the first semester of an introductory College course in General Biology for Biology majors with emphasis on Molecular Biology, Cellular Biology and Biochemistry and a brief introduction into Genetics and Evolution. The goal is to utilize mastery learning to assist young people to become avid, self-motivated learners. Students who have not shown mastery for a particular unit will receive feedback and support in reaching mastery through guided enrichment projects. Critical thinking and problem solving skills are emphasized through the analysis of real world problems. The utilization of mathematical and laboratory skills and concepts learned in Chemistry Honors is emphasized. Participation in discussion and proficiency in analytical scientific writing are expected. Concepts presented in lecture are reinforced in one lab per unit.

(5332) Cellular & Molecular Biology (CP1) **Year** **1 Credit**

(Prerequisite: Science 5232—Chemistry CP1)

This course provides a comprehensive exploration of the structural details and molecular functions of the eukaryotic cell. Eukaryotic cells make up all animal, plant, and fungal organisms. Topics covered in this course include intermembrane transport, cellular respiration, protein synthesis, cell cycle and cancer, and Mendelian genetics. In addition, emphasis is placed on inquiry and experimental approaches to foster deeper thinking and problem-solving skills crucial to scientific endeavors.

(5333) Cellular & Molecular Biology (CP2) **Year** **1 Credit**

(Prerequisite: Science 5233—Chemistry CP2)

This course is identical in content to the Cellular & Molecular Biology CP1 course (5332) with a greater emphasis on vocabulary and individualized instruction. Inquiry and experimental activities reinforce key concepts and skills.

(5142) The Science of Archaeology (CP1) **Semester** **.5 credit**

(Prerequisite: Seniors: minimum final average of C+ (77) in the most recent science course. Juniors Science 5311 (Biology Honors) Open to juniors and seniors.

Archaeology can be divided into historical/cultural archaeology and scientific methods of archaeology. This course will focus on the scientific methods of archaeology. Archaeologists use scientific methods to fully decipher, analyze, and preserve remains of past cultures. In this course, students will learn how to identify excavation sites, perform archaeological digs, record and preserve artifacts, and analyze clues about ancient cultures. Students will also explore different dating techniques and how modern technologies are changing the way we investigate the past. Students may also have the opportunity to participate in an on-going local archaeological dig.

(5511) Advanced Biology Honors

UConn Course Number BIOL1107 Principles of Biology 1 **Year** **1 Credit**

(Prerequisite: Science 5311—Biology H)

This course is the equivalent of the UConn Biology course. Students may receive 3 UConn credits for course completion (with a C average or higher). The course is designed to provide a foundation for more advanced courses in Biology and related science. Topics covered include molecular and cell biology, animal anatomy, and physiology.

(5401) Physics Advanced Placement - AP PHYSICS 1 **Year** **1 Credit**
(Prerequisites for seniors: Math 431—Alg2/Trig or Math 432—Alg 2 CP1 and C+ (77) in Science 5111—Physics Honors or B+ (87) in Science 5122—Physics CP1)
(Prerequisites for juniors: currently enrolled in or have completed Math 431—Algebra 2 and Trigonometry Honors and C+ (77) in Science 5111—Physics Honors or B+ (87) in Science 5122—Physics CP1)

As part of the advanced placement program, AP Physics 1 is equivalent to a first semester college course covering Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. Students will deepen their mastery of concepts learned in Physics Honors and CP1. Concepts presented in lecture are reinforced in R&D projects, open-ended experiments and demonstrations to cover lab work included on the advanced placement exam. Students are expected to spend approximately 4 hours per week for independent study and still more time to prepare for tests and complete assignments including required work over breaks and the summer. Students are required to take the Advanced Placement examination in the spring.

(5421) Anatomy and Physiology Honors **Year** **1 Credit**
(Prerequisite: Science 5311—Biology H) Open to seniors.

This advanced biology course is designed for students planning to major in science or enter a premedical program. The course consists of a detailed study of the structure and function of the human systems and stresses biochemical mechanisms. Lab work is reinforced with lab practical exams. Dissection, virtual dissection and data-collection technology by all students is required.

(5422) Anatomy and Physiology (CP1) **Year** **1 Credit**
(Prerequisites: Minimum final average of C+ (77) in Science 5332—Biology CP1, or minimum final average of B+ (87) in Science 5333—Biology CP2) Open to seniors.

This course is designed for students with an interest in continuing their study of biology, or students who plan to major in an allied health field. The course concentrates on the function of the human systems with an emphasis on homeostasis and regulation. Lab work reinforces concepts presented in class and is designed to relate body structure and function. Virtual dissection and data-collection technology is explored and actual dissection is required by all students.

(5431) Introduction to Forensic Science (Honors) **Semester** **.5 Credit**
(Prerequisite: Science 5311—Biology H) Open to seniors.

This blended (part online and part face-to-face) advanced forensic science course is the application of science to the examination of physical evidence obtained in the investigation of a crime scene. It is an autonomous and personal learning environment. Students build their own curriculum based on their interests and develop original content based on research. This course covers many topics such as crime scene analysis, collection of physical evidence, firearm analysis, DNA analysis, blood typing and spatter analysis, fingerprints, hair and fiber analysis, toxicology and pathology. Face-to-face meetings include laboratory exercises that emphasize the role of forensic science within the criminal justice system, as well as individual and group check-ins monitoring student progress. When possible, guest lectures by forensic professionals supplement the class.

(5432) Introduction to Forensic Science (CP1) **Semester** **.5 Credit**
(Prerequisite: Open to seniors with C+(77) in the most recent science course)

This blended (part online and part face-to-face) advanced forensic science course is the application of science to the examination of physical evidence obtained in the investigation of a crime scene. It is an autonomous and personal learning environment. Students build their own curriculum based on their interests and develop original content based on research. This course covers many topics such as crime scene analysis, collection of physical evidence, firearm analysis, DNA analysis, blood typing and spatter analysis, fingerprints, hair and fiber analysis, toxicology and pathology. Face-to-face meetings

include laboratory exercises that emphasize the role of forensic science within the criminal justice system, as well as individual and group check-ins monitoring student progress. When possible, guest lectures by forensic professionals supplement the class.

(5441) Environmental Science Advanced Placement

UConn Course Number NRE 1000 Environmental Science Year 1 Credit

(Prerequisite for seniors: completion of Science 5311—Biology H or B+ (87) in Science 5332—Biology CP1 or B+ (87) in Science 5232—Chemistry CP1)

(Prerequisite for juniors: taken concurrently with Science 5311—Biology H or concurrently with Science 5332—Biology CP1 if B+ (87) in Science 5232—Chemistry CP1)

This course will prepare students for the AP environmental science exam. It is the equivalent of the UConn Introduction to Environmental Science course and carries the expected college course load. The course introduces various Earth systems and how humans influence and depend upon them. Sustainability is a central theme as students explore ecology, natural resource management, energy, pollution, human population dynamics, and climate change. An emphasis is placed on identifying and analyzing current environmental issues, evaluating the relative risks associated with these issues, and examining alternative solutions for resolving or preventing the issues. Students are required to complete an online APES preparatory course over the summer (8-10 hrs) and may expect to complete assignments over school breaks. Students will participate in an independent citizen science project over the course of the school year (2 hrs/wk). In addition to this, they can expect to spend 1-2 hrs/night on material outside of the classroom. Students are required to take the Advanced Placement examination in the spring.

(5481) Chemistry Advanced Placement

Year 1 Credit

(Prerequisites for seniors: minimum final average of B- (80) in Science 5231—Chemistry H, or a minimum final average of 95 in Science 5232—Chemistry CP1)

(Prerequisites for juniors: Concurrently enrolled in Science 5311—Biology H or Science 5332—Biology CP1, and a minimum final average of B- (80) in Science 5231—Chemistry H, or a minimum final average of 95 in Science 5232—Chemistry CP1)

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The course curriculum is compatible with many Chemistry courses in colleges and universities. This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations. The AP chemistry course differs qualitatively from sophomore chemistry with respect to chemical calculations and mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated and the time spent on the course by students. Students are encouraged to spend at least four hours a week for independent study and still more time to prepare for tests and complete assignments including required work over breaks. Students are required to take the Advanced Placement examination in the spring.

(5522) Marine Biology (CP1)

Semester .5 credit

(Prerequisite: Seniors: minimum final average of C- (70) in the most recent science course. Juniors Science 5311 (Biology Honors) Open to juniors and seniors.

Using Long Island Sound as a primary resource, this project-based learning experience focuses on using computer technologies, videos, photographs, and real-time data to explore marine, ecology, human impacts on the ocean, and ocean conservation. Students learn about the interconnectedness of the ocean's physical systems and ecosystems as well as energy transfers, food webs, and symbiotic relationships. As part of the curriculum, students analyze marine protection area designations and design hypothetical ecosystems.

WORLD LANGUAGES DEPARTMENT
Course Descriptions 2016-2017

Two credits of high school language are required for graduation; three or four credits are highly recommended.

After the second year of a language, students must have a minimum final average of A (93) to move from CP1 to Honors. To remain in an Honors level course, students must maintain at least a C+ (77) average.

(712) Latin 1 (CP1)

Year

1 Credit

This course is an introduction to the Latin language. Emphasis is placed on acquiring reading facility in Latin; students also learn how to recite Latin in the Classical pronunciation. Traditional forms and inflections are taught along with basic Latin vocabulary and grammar. Through textbook readings and films, students are introduced to ancient Roman culture and daily life and their influence on the modern world. Attention is also given to the Latin origins of the English language.

(721) Latin 2 Honors

Year

1 Credit

(Prerequisite: A minimum final average of A- (90) in Latin 712—Latin 1 CP1)

This course expands the students' command of the basic grammar and vocabulary presented in Latin 1. It completes the students' study of noun forms and verb tenses. The textbook continues the theme of daily life in ancient Rome, and supplemental films present mythological, historical, and cultural materials.

(722) Latin 2 (CP1)

Year

1 Credit

(Prerequisite: Latin 712—Latin 1 CP1)

This course basically follows the Latin 2 Honors curriculum with suitable modifications in assignments and assessments. Students need not master English to Latin translations.

(731) Latin 3 Honors

Year

1 Credit

(Prerequisite: Latin 721—Latin 2 H)

This course expands the students' command of the grammar and vocabulary presented in Latin 2 Honors. It completes the students' study of all verb forms, especially passive and subjunctive. The students begin reading authentic Roman authors, starting with an historical work by Julius Caesar. Employing an array of auxiliary materials, the students learn the archetypal foundations of myths and their appearance in books and films today.

(732) Latin 3 (CP1)

Year

1 Credit

(Prerequisite: Latin 721—Latin 2 H or 722—Latin 2 CP1)

This course basically follows the Latin 3 Honors curriculum with suitable modifications in assignments and assessments. The students need not write extended Latin compositions.

(741) Latin 4 Honors

Year

1 Credit

(Prerequisite: Latin 731—Latin 3 H)

This course is offered online through The Online School for Girls. Lauralton Hall Tuition does not cover the Online School for Girls tuition. Students must submit an Off-Campus Course Request Form.

See the Online School for Girls Course Catalog for a description.

(7501) Latin Advanced Placement

Year

1 Credit

(Prerequisite: Latin 731—Latin 3 H with a minimum final average of B (85))

This rigorous course follows the syllabus outlined by the College Board Advanced Placement Program. Students are required to translate selections from Vergil's *Aeneid* and Caesar's *De Bello Gallico*, analyze the authors' literary styles, and interpret these passages in their literary and historical contexts. Students will be assigned an average of forty-five minutes of homework each night. During this time, students will translate carefully and literally large amounts of authentic Roman prose and poetry. Students will also study high-frequency vocabulary words, Latin forms and syntax, metrical rhythms, rhetorical devices, and background information on the history, mythology, politics, education, and literature of the Late Roman Republic and Early Empire. The early Celtic, Germanic, and Italic cultures are explored when they appear in the Roman texts. Assessments will include tests and essays similar to those that students will encounter on the AP exam. Students are expected to read an English translation of the complete *Aeneid* during the summer prior to the start of the course and an English translation of the complete *De Bello Gallico* before the end of the first semester. The subjects of both the historical commentary and the mythic epic are war, battles, and the displacement of civilian communities through war. The course examines the leadership skills of the main characters. Students are required to take the Advanced Placement examination in the spring.

(812) French 1 (CP1)

Year

1 Credit

This course is designed to afford students practice in the vocabulary and grammatical structures needed to communicate in the situations they are most likely to encounter in everyday life. Interaction in the target language occurs among students as well as between student and teacher. All four language skills are introduced: reading, writing, listening and speaking. A multifaceted textbook series emphasizes vocabulary, sentence structure and culture in the Francophone world. By the end of the first year students will be able to describe themselves, their likes and dislikes, their families, their classmates and their homes. Students will be able to use regular and irregular verbs and idioms in present and past tenses.

(821) French 2 Honors

Year

1 Credit

(Prerequisite: A minimum final average of A- (90) in French 812—French 1 1 CP1)

This course empowers the student to develop her previously acquired skills and to expand her aural and reading comprehension, as well as her proficiency in spoken and written French. The rich culture of many francophone countries is explored.

(822) French 2 (CP1)

Year

1 Credit

(Prerequisite: French 812—French 1 CP1)

This course begins with a brief review of French 1 vocabulary, grammar and conversational idioms. Emphasis is placed on developing the four basic skills of listening, speaking, reading and writing in the target language. Good pronunciation is stressed. Lessons pertaining to the cultures of various francophone countries are regularly integrated into the curriculum.

(831) French 3 Honors

Year

1 Credit

(Prerequisite: French 821—French 2 H)

This course is designed to advance the student's understanding of the French language and civilization. Conversational skills stress originality and fluency and writing skills are developed to include compositions. Exposure to a variety of oral and print contemporary French media, an intensive study of

verb tenses and their usage, the further development of reading comprehension skills and an understanding of complex grammatical structures prepare the student to broaden and to perfect all four skills in the target language.

(832) French 3 (CP1)

Year

1 Credit

(Prerequisite: French 822—French 2 CP1)

The curriculum of this course covers much of the same material as does French 831 but at a pace which reflects the learning styles and competencies of its students.

(841) French 4 Honors

Year

1 Credit

(Prerequisite: French 831—French 3 H)

This curriculum is designed as a transition between basic-level language courses and advanced courses which explore literary, cultural or specific linguistic topics in French. The content includes an overall review of grammar and the four basic skills: listening, speaking, reading and writing. These skills are presented within the context of a variety of cultural topics: the history, present day society, literature, film, music and visual arts of France and other francophone countries. Students may elect to take this course for UConn credit.

(842) French 4 (CP1)

Year

1 Credit

(Prerequisite: French 832—French 3 CP1)

This course is designed for students who want to expand their understanding of the French language and culture. Reading, writing and conversational skills are further developed. Students will review the essentials in French vocabulary and grammar. French culture will be emphasized with an appreciation of French art and music.

(88851) French Language and Culture Advanced Placement

Year

1 Credit

(Prerequisite: French 83—French 3 H with a minimum final average of A- (90) or French 841—French 4 H with a minimum final average of a B (83))

This course is offered online through The Online School for Girls. Lauralton Hall Tuition does not cover the Online School for Girls tuition. Students must submit an Off-Campus Course Request Form.

This course, which requires the use of the French language for active communication, is designed to refine the students' ability to understand spoken French in various contexts, to expand their vocabulary toward the reading of various non-technical texts without a dictionary, and to enable them to express themselves with coherence and accuracy in both written and spoken French. Students will discuss, compare and contrast the six themes; Families and Communities; Science and Technology; Beauty and Aesthetics; Contemporary Life; Global Challenges; Personal and Public Identities in a cultural context. AP students should expect to spend approximately an hour preparing for each class. As summer work is required prior to the start of the course and assignments are given over breaks. Students are required to take the Advanced Placement examination in the spring.

(912) Spanish 1 (CP1)

Year

1 Credit

This course is designed to give students the vocabulary and grammatical structures needed to communicate in the situations they are most likely to encounter in everyday life. From the onset, interaction in the target language occurs between students as well as between student and teacher. The students are also taught reading strategies, which they employ in short readings about some of the history and culture of the Spanish-speaking world. A multi-faceted textbook series which includes many online, interactive components supports the individual student's ability to practice at her own pace. Emphasis is placed on vocabulary, sentence structure and pronunciation.

(921) Spanish 2 Honors

Year

1 Credit

(Prerequisite: A minimum final average of A- (90) in Spanish 912—Spanish 1 CP1)

This course briefly reviews the grammar and vocabulary presented in Spanish 1 and introduces the student to some of the more complex structures of the language. Skills are developed through oral and

written exercises with a follow up of reading strategies and listening exercises. Students study Hispanic cultures and countries.

(922) Spanish 2 (CP1) Year 1 Credit

(Prerequisite: Spanish 912—Spanish 1 CP1)

This course reviews vocabulary and grammar studied in Spanish 1 and augments student proficiency through the study of more complex grammar as well as regular practice in speaking, reading, writing, and listening. Topics used, such as shopping, daily routine and leisure activities are of particular interest to adolescents. Students study Hispanic culture and countries.

(931) Spanish 3 Honors Year 1 Credit

(Prerequisite: Spanish 921—Spanish 2 H)

The purpose of this course is to develop skills acquired by the students during the first two years with emphasis on increasing vocabulary and understanding of more complex grammar. Conversational skills stress originality and fluency, and writing skills are developed to include essays. Included in this course are comprehension and appreciation of some authentic works of 20th century Hispanic authors and the culture of various Spanish-speaking countries, with some literary analysis.

(932) Spanish 3 (CP1) Year 1 Credit

(Prerequisite: Spanish 922—Spanish 2 CP1)

In this course grammar of Spanish 1 and 2 is reviewed and some new grammar is introduced. Short readings serve to develop skills and vocabulary, as well as familiarize students with people, places, events and cultures of the Spanish-speaking world.

(941) Spanish 4 Honors Year 1 Credit

(Prerequisite: Spanish 931—Spanish 3 H)

This is an advanced course taught in the target language, with the exception of administrative communication as well as particularly difficult grammar structures. This course is comparable to an intermediate level college course in the Spanish language. The goal of this course is to increase the level of proficiency of the four language skills (reading, writing, listening and speaking) while reviewing advanced grammar. The course will focus on the six integrating themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics which are covered in the AP Spanish Language and Culture course, but on a more simplified level. Students in Spanish 4 Honors will understand the importance of becoming members of a diverse and increasingly global society.

(942) Spanish 4 (CP1) Year 1 Credit

(Prerequisite: Spanish 931—Spanish 3 H or 932—Spanish 3 CP1)

This course, taught primarily in the target language, is designed for further development of reading, writing, and conversational skills, as well as understanding and an appreciation of Hispanic culture. Readings about Spanish and Spanish-American history, art and culture, and 20th century short stories by famous Hispanic authors are the foundation of the course. Grammar is reviewed as necessary.

(88952) Spanish 5 (CP1) Spanish Literature and Culture for Heritage Speakers Year 1 credit

Prerequisite: Successful completion of least three years of High School Spanish

This course is offered online through The Online School for Girls. Lauralton Hall Tuition does not cover the Online School for Girls tuition. Students must submit an Off-Campus Course Request Form.

The Spanish Literature and Culture course provides a college level survey of texts from Peninsular, Latin American and U.S. Hispanic authors. Students will complete a detailed list of readings and will learn to analyze the works, both within their social and historical context and as expressions of major literary movements. By reading and interpreting the works, students will build an understanding of form, structure, theme and literary devices and how each of these enhances the understanding of literary texts. The course is organized around the six themes of curriculum framework: Societies in Contact, the

Construction of Gender, Time and Space, Literary Creation, Interpersonal Relationships and the Dual Nature of Being. In this case, the reading list will be divided thematically so that each work will be considered first through the lens of a specific theme and re-examined throughout the course from other thematic perspectives. Many of the works can be examined from the perspective of multiple themes. Students will have an opportunity to demonstrate proficiency in the interpretive (reading and listening comprehension), interpersonal, and presentational modes (speaking and writing). Students will be encouraged to demonstrate proficiency in the five goal areas (communication, cultures, connections, comparisons and communities) through analysis, discussion and comparison of literary works on the required reading list, and through additional readings as determined by the instructor. As students build their skills, particularly critical reading of and analytical writing about the literary works, they will also build an understanding and appreciation of the rich variety of the literature of the Spanish-speaking world and of the value of literature as an expression of Hispanic cultures. The course will be conducted entirely in Spanish. This is not an AP course and students will be expected to delve deeper into the topics and take difficult assessments. Spanish Literature and Culture for Heritage Speakers is recommended for students who are fluent in Spanish or are heritage Spanish speakers but does not qualify them to take the AP exam.

(9501) Spanish Language Advanced Placement

Year

1 Credit

(Prerequisite: Spanish 931—Spanish 3 H with a minimum final average of A- (90) or Spanish 941—Spanish 4 H with a minimum final average of B (83))

This course is intended as the final course for qualified students who study Spanish on the high school level. This course is comparable to an intermediate level college course in Spanish language. The goals of this course are to raise the level of proficiency of the four language skills (listening, speaking, reading, and writing) in an integrated manner and to synthesize written and aural materials. The course will focus on six integrating themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. Students will also concentrate on the interpretive, interpersonal and presentational skills needed to take the AP Spanish Language & Culture Exam. AP students should expect to spend approximately an hour preparing for each class. Summer work is required prior to the start of the course and assignments are given over breaks. Students are required to take the Advanced Placement examination in the spring.

(7612) Chinese 1 (CP1)

Year

1 Credit

This course is an introduction to Chinese language and culture. The four-language skills of listening, speaking, reading and writing are introduced, with a strong emphasis being placed on oral communication. Students learn to freely communicate in everyday life situations, using basic grammatical structures and functional expressions. In addition, students will master the Chinese phonetic system and simplified Chinese writing system. Culture is introduced throughout the course, with the students having a basic understand of important Chinese holidays, the geography of China, customs, and the history of China.

(7621) Chinese 2 Honors

Year

1 Credit

(Prerequisite: Chinese 7612—Chinese 1 CP1)

Students continue to develop proficiency in all four-language skills: listening, speaking, reading and writing. Student will learn to use slightly more complex sentence structures freely in conversation. In addition, students will build a rich vocabulary to support their speaking and writing. The abundant Chinese culture is explored more deeply. By the end of the course, students will be able to write short essays in the target language.

(7631) Chinese 3 Honors

Year

1 Credit

(Prerequisite: Chinese 7621—Chinese 2 H)

This course is an intermediate level of conversation and composition in Mandarin Chinese. Students learn complex sentence structures and vocabulary. In order to develop a deeper understanding of the

Chinese culture, student will learn idioms, poems and short stories. Student will be able to write a storybook that contains vivid culture aspects and authentic expressions.

(7641) Chinese 4 Honors

Year

1 Credit

(Prerequisite: Chinese 7631—Chinese 3 H)

This advanced course develops students' proficiency in the four-language skills: listening, speaking, reading and writing. Students will learn to communicate effectively in real-life situations by using complex sentence structures and rich vocabulary. Students will perform conversations and complete writing tasks based on social situations. The course also includes discussions and debates on cultural topics, with the emphasis on Contemporary Chinese Society.