

ACADEMY OF OUR LADY OF MERCY

Lauralton Hall

2022-2023 COURSE OFFERINGS

V04-03-2022

LAURALTONHALL.ORG
200 HIGH ST. MILFORD, CT 06460

3	Art Department
5	Music Department
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ART DEPARTMENT

All students are required to take one credit of high school fine arts (music or visual arts).

After a student completes her first required nonacademic credit in Fine Arts (Visual Arts or Music), she may elect to take future Fine Arts courses for either academic or nonacademic credit. If a student selects academic credit for the course, that course will be included in her weighted GPA as a College Prep course. A student may take this course to complete her required 6 academic courses per semester or she may include it as a 7th academic course since there will be minimal outside preparation (homework, projects, studying for tests) needed for the Fine Arts course.

(39112 – na /303 – a) Studio Art 1	Semester	.5 Credit
An introduction to art concepts through a variety of media and projects offered to those students who have an interest in pursuing the Visual Arts.		

(39122 – na /31122 – a) Studio Art 2	Semester	.5 Credit
<i>(Prerequisite: Studio Art 1)</i>		
A complete exploration of drawing. Students use pencil and pen in creating projects with a focus on realism, such as still life, portraiture, figure drawing and landscape.		

(3100 – na /310 – a) Graphic Design	Semester	.5 Credit
<i>(Prerequisite: Studio Art 1)</i>		
<i>Open to sophomores, juniors and seniors.</i>		
Adobe Photoshop is used in creating original and innovative artwork while challenging the student in visual problem solving with a focus on creating strong design.		

(3942 – na /342 – a) Illustration	Semester	.5 Credit
<i>(Prerequisite: Studio Art 1)</i>		
<i>Open to juniors and seniors.</i>		
Examining the process of general illustration, students learn about character design, story development and imagery rendering. Concepts explored include manga and cartooning in a variety of media.		

(39132 – na /31132 – a) Studio Art 3	Semester	.5 Credit
<i>(Prerequisite: Studio Art 1 and Studio Art 2)</i>		
<i>Open to sophomores, juniors and seniors.</i>		
An introduction to painting. Projects will include realistic work using materials such as watercolor, gouache and acrylic.		

(39142 – na /31142 – a) Studio Art 4	Semester	.5 Credit
<i>Prerequisite: Studio Art 1, 2 and 3</i>		
<i>Open to sophomores, juniors and seniors.</i>		
Students have the opportunity to use developed drawing and painting skills to create expressive mixed media pieces focusing on creativity.		

(3972 – na /372 – a) Portfolio Prep

Semester

.5 Credit

(Prerequisite: Studio Art 1, Studio Art 2 plus teacher recommendation)

Open to juniors and seniors.

Intended for students making a portfolio for college submission and/or students who have a strong interest in art. Projects focus on realistic renderings while considering individual needs of the student. Photographing work, art careers and applying to art school will be discussed.

(3908 – na /308 – a) Senior Art Workshop

Semester

.5 Credit

(Prerequisite: Studio Art 1, Studio Art 2 and one art course)

Open to juniors and seniors.

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.

MUSIC DEPARTMENT

All students are required to take one credit of high school fine arts (music or visual arts).

After a student completes her first required nonacademic credit in Fine Arts (Visual Arts or Music), she may elect to take future Fine Arts courses for either academic or nonacademic credit. If a student selects academic credit for the course, that course will be included in her weighted GPA as a College Prep course. A student may take this course to complete her required 6 academic courses per semester or she may include it as a 7th academic course since there will be minimal outside preparation (homework, projects, studying for tests) needed for the Fine Arts course.

(324 – na /3242 – a) Freshman Choir **Year** **1 Credit**

Open to freshmen.

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.

(325 – na /3252 – a) Concert Choir **Year** **1 Credit**

Open to sophomores, juniors and seniors.

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.

(329 – na /3292 – a) Advanced Vocal Ensemble **Year** **1 Credit**

Open to sophomores, juniors and seniors by audition.

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.

(3321) Popular Music and Diversity in American Society **Year** **1 Credit**

UConn Course Number MUSI0031 Offered 2022-2023 school year

(Prerequisite: A minimum final average of B+ (87) in current English CP1 course or B- (80) in current English Honors class.)

Open to juniors and seniors.

This course is an introduction to popular music and diversity in America: jazz, blues, Top-40 pop, rock, hip-hop, and other genres. Musicians and their music is studied in the context of twentieth-century and contemporary American society, emphasizing issues of race, gender, class and resistance. Students may elect to take this course for UConn credit. This course follows the UConn Course Curriculum that is offered on the college level and as such, the content requires a maturity of students who enroll.

(3311) Fundamentals of Music Theory Honors **Year** **1 Credit**

UConn Course Number MUSI1011 Music Fundamentals and Ear Training Offered 2023-2024 school year

(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.

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.

(3532 – na /35322 – a) Symphonic Orchestra

Year

1 Credit

Open to freshmen, sophomores, juniors and seniors.

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 80 minutes a week, documented by practice sheets. Symphonic Orchestra performs at two concerts (winter and spring), Lauralton Hall Open House in the fall and a spring music festival. 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. Students are expected to use their own instrument except for players involved in percussion, double string bass, larger woodwind or brass instruments, or piano. A one-time purchase of a concert outfit is required.

BUSINESS DEPARTMENT

(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.

ENGLISH DEPARTMENT

All students are required to take four credits of English. The traditional sequence includes English 1, English 2, English 3, and English 4. Honors and 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

Freshman Honors students examine a variety of literature including the Victorian novel *Jane Eyre*, which students read the third quarter, and cultural selections *Before We Were Free* and *House on Mango Street*. 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 ever-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* and J.D. Salinger’s *Catcher in the Rye*. 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 Suzanne Collins’ modern *The Hunger Games*, and the epistolary novel, *The Guernsey Literary Potato Peel Pie 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*), Sophocles’ *Antigone*, 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 (*The Hunger Games*) 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 A-(90))

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. 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. The course pays particular attention to female authors and characters. After writing an essay on the summer readings, *The Awakening* and *Breakfast at Tiffany's*, students will study the Puritans, the rationalists, the romantics, the realists and the modernists. Major texts include *The Scarlet Letter*, *The House of Mirth*, *The Sun Also Rises* and the poems of Emily Dickinson. Students will also read criticism and learn how to interpret literature through various critical lenses. The primary form of writing will be analytical essays, both long and short, 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. Students should expect to write both an in-class and out-of-class essay each quarter, and during the third quarter, they will write four-to-five page analysis essays on *The House of Mirth*, and *The Scarlett Letter*.

(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, Dickinson, Frost, Faulkner, and Hemingway. The following works are read in their entirety: *The Crucible* 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 extended analytical essay is required.

(1601) English Literature and Composition 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 A- (90))

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 – *Pride and Prejudice* 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 works by non-English authors, for example, John Steinbeck's *The Grapes of Wrath*, and Toni Morrison's *Beloved*, the bulk of the fictional work is from the British canon. Emphasis is on close examination, discussion, and writing to understand, explain, and evaluate techniques in structure and style in both prose and poetry. 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. The summer reading selection of *Rebecca* is 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*, *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, & Meaning- 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, *Macbeth*, various Shakespearean sonnets, Romantic poetry, and *Pride and Prejudice*. Additionally, students are introduced to the mystery genre with a summer read of Daphne du Maurier’s gothic novel, *Rebecca*. 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 Shakespeare’s *Macbeth*.

HISTORY DEPARTMENT

All students are required to 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 the development of civilizations in traditional Western societies as well as Africa, the Middle East, China, Japan, and India, from approximately 2200BC to the mid-1800s AD. - Topics include the Crusades and the High Middle Ages, Muhammad and the Islamic Empire, early African kingdoms, Chinese Dynastic rule, Japanese Shoguns, Indus River Valley, Renaissance and Reformation, Age of Exploration, the introduction of slavery to the Western world, 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 among other organized and indigenous religions. Skills in note-taking, outlining, essay writing, and primary source analysis will be developed and reinforced. Students will create an Annotated Bibliography during the third and fourth marking periods while learning 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, DBQ's, 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 15th 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, the Age of Exploration including the origins of slavery in the western world, 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. 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- World History H)

This course is a survey of 19th, 20th and 21st Century forces of globalization on traditional Western and non-Western societies. Students examine the international impact and influence that the Western Imperialism, WWI, Communist Revolutions, WWII, Decolonization, Cold War, and the European Union has on the continuous geopolitical and religious struggles among Europe, Asia, Africa, and the Middle East. In conjunction with the unit on WWI, students read All Quiet on the Western Front and complete a project reflecting on the experience of modern warfare. The study of World War II is followed by an examination of the Cold War and its end as experienced around the world, events in the Middle East, and the rise of global terrorism. Students will make connections on how historic events have shaped our contemporary world and identify the links between the past and the continuous geopolitical & religious struggles experienced in Europe, Asia, Africa, and the Middle East today.. Essay writing, collaborative note-taking, internet research gathering skills with a focus on credible sources, solution based projects, debating, geography skills and analysis of primary sources are emphasized.

(242) Modern World History (CP1)

Semester

.5 Credit

(Prerequisite: History 211-World History H or History 212 – World History CP1)

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 Cold War and the end of the Cold War as it was experienced around the world, events in the Middle East, the Gulf Wars, and the events of 9/11. 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-World History H)

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 essay writing skills, internet research gathering with a focus on credible primary sources, debating, and collaborative note-taking and project skills.

(2222) United States Government (CP1)

Semester

.5 Credit

(Prerequisite: History 211-World History H or History 212- World History CP1)

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 Year 1 Credit
UConn Course Number 1501 and 1502

(Prerequisite: minimum final average of B- (80) in History 2211-European History AP or minimum average of A- (90) when averaging final grades in History 2221-US Governments H and History 241- Modern World History H or Grade 12 – 90 in previous honors History elective excluding Introduction to Psychology))

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. 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-European History AP or a minimum average of C+ (77) when averaging final grades in History 241-Modern World History H and 2221-United States Government H, or minimum average of A (93) and when averaging final grades in History 242 – Modern World History CP1 and History 2222- United States Government CP1) 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 an emphasis on technology skills in a variety of platforms 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-Modern World History CP1 and History 2222-United States Government CP1) 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 an emphasis on technology skills in a variety of platforms 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 Course Number HIST1400**

Year

1 Credit

(Prerequisite for seniors and or juniors: minimum final average of B- (80) in History 2301-United States History AP or minimum average of A- (90) when averaging final grades in History 2221- United States Government H and History 241- Modern World H or minimum of A- (90) in History 231-United States History H or for seniors a minimum average of A- (90) in previous honors History elective excluding Introduction to Psychology.)

This course provides a multifaceted, interdisciplinary approach to the study of European History and examines Europe's place in the world from 1450 to the present. Students will examine the politics, economics, religion, philosophy, literature, art, and social history of the continent and consider how those elements have helped shape the modern world. Emphasis is placed on the chronological progression of European history, the major events, trends, and developments over time, and the role Europe has played within the larger global context. This includes examination of how Europe *has impacted* and *has been impacted by* the rest of the world. Analytical and critical thinking skills are developed through the regular examination of primary & secondary sources, maps, works of art, and other visual materials. Class discussions, exercises, and assessments require students to consider varying perspectives on the past as well as individual points of view. A summer assignment on Medieval and Renaissance Europe serves as a launching point for the course and is due on the first day of class. As part of the Advanced Placement program, the course prepares students for the AP European History exam. All students are required to take the exam.

**(251) Economics Honors – UConn ECE
 UConn Course Number ECONN 1000**

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 Global Issues Honors

Semester

.5 Credit

Open to seniors. College Prep students may take this for honors credit if the final average in their most recent history course was 90 or higher.

The goal of this seminar is to have open discussions of political and social issues to 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. Several global themes are prevalent throughout the course including pollution, human trafficking, children at risk, AIDS, terrorism, water, and political, economic and religious instabilities. 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.

(292) Current Global Issues (CP1)

Semester

.5 Credit

Open to seniors.

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

(88241) AP Psychology

Year

1 Credit

(Prerequisite for seniors and/or juniors: minimum final average of B- (80) in History 2301-United States History AP or minimum average of A- (90) when averaging final grades in History 2221- United States Government H and History 241- Modern World H or minimum of A- (90) in History 231-United States History H or a minimum of A (95) in History 232 – United States History CP)

Open to juniors and seniors.

AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. Students learn the psychological facts, principles, and phenomena contained within the major branches of psychology. The first semester focuses on the fundamental sub-fields of behavior, sensation, perception, learning and cognition. This provides a solid footing from which to investigate the topics of developmental, social and abnormal psychology in the latter half of the year. Interwoven throughout their study are numerous opportunities to cultivate research and critical thinking skills. Presented with experiential psychological field work, the students are challenged to apply different research methods, collaborate with others, collect and analyze data, and arrive at conclusions. Students taking the AP class are expected to delve deeply into the topics, take AP- style assessments, and prepare for the AP exam in the spring. Students are required to take the Advanced Placement exam in the spring.

(2411) Introduction to Psychology Honors

Semester

.5 Credit

Open to seniors.

This semester long course offers students the opportunity to explore the field of Psychology by looking at the history of the field of study as well as current theories and models. The course will focus on human development, tracing the development of psychology as a discipline, and its origins to current theories of application. Students will evaluate the brain and the nervous system, and explore how humans perceive their world. Once the foundation is set, students will explore intelligence, cognition, consciousness and emotional development as well as disorders and mental illness, the myths, truths and current therapies available. Emphasis will be placed on statistics and case studies to gain a greater understanding.

(2412) Introduction to Psychology (CP1)

Semester

.5 Credit

Open to seniors.

This course follows the curriculum of the Introduction to Psychology honors course. Assessments are modified.

MATHEMATICS DEPARTMENT

All students are required to take three credits of high school math; most students take four credits and some 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.

(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 90)

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 90)

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 Algebra 2 CP1 who elect 441 must complete significant independent work)

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

(Prerequisite: 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.

(4422) Elementary Discrete Mathematics (CP1)

Semester

.5 Credit

(Prerequisite: Math 432—Algebra 2 CP1 with a minimum final average of B- (80))

This course follows the curriculum of the Elementary Discrete Math Honors course. Assessments are modified.

(4431) Statistics Honors **Semester** **.5 Credit**

(Prerequisite: 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.

(4432) Statistics (CP1) **Semester** **.5 Credit**

(Prerequisite: Math 432—Algebra 2 CP1 with a minimum final average of B- (80))

This course follows the curriculum of the Statistics Honors course. Assessments are modified.

(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 Math 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.

(4531) Statistics Advanced Placement **YEAR** **1 Credit**

(Prerequisite: Math 431 – Alg2/Trig with a minimum final average of a (A-) 90 or Math 432 – Algebra II with a minimum final average of a 95)

This course covers all topics outlined for Statistics in the AP College Board course description and is equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in this course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. A graphing calculator is required for this course. Students are required to take the Advanced Placement examination in the spring.

(4551) Calculus Advanced Placement AB **Year** **1 Credit**

(Prerequisite: Math 441—Pre-Calculus H with a minimum final average of B (85). Beginning with the class of 2024, Pre-Calculus H must be taken at Lauralton Hall)

This course covers all topics outlined for Calculus AB in the AP College Board course description. Topics include concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections between them. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students are required to take the Advanced Placement examination in the spring.

(4561) Calculus Advanced Placement BC **Year** **1 Credit**

(Prerequisite: Math 441—Pre-Calculus H taken at Lauralton Hall with a minimum final average of A (93).)

This course covers all topics outlined for Calculus BC in the AP College Board course description. The material covered is similar to two semesters of college-level calculus, and includes differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, plus polar equations, differential equations, and infinite series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students are required to take the Advanced Placement examination in the spring.

(4451) Advanced Placement Computer Science Principles **Year** **1 Credit**

(Prerequisites: Math 431 – Alg2/Trig or minimum final average of B (83) Math 432 – Algebra 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. Students are required to take the Advanced Placement Computer Science Principles examination.

Guidance Department Seminar Descriptions

All student are required to take all four seminars

(6889) First Year Experience

Year

.25 Credit

Required of freshmen

Lauralton Hall recognizes the importance of strengthening students’ connections to their school community and laying the foundation for student success during their first year. Freshman year brings challenges that require students to learn and develop the skills needed to negotiate their new environment and discover a successful pathway to their future that fits their talents and needs. The First Year Experience (FYE) course will address academic and personal dimensions of student development. A comprehensive set of educational programs will include a focus on practical competencies (time management, study skills, leadership skills, access to school resources), emotional wellness (stress management, healthy relationships, mental health, social media), physical health (substance abuse, nutrition, exercise, team building), and academic planning (Four- Year Plan, college & career, Naviance, scheduling). This learning- centered experience encourages students to take ownership of their plans and develop solid goals for their education, while making an empowered transition to the LH community of learners and compassionate stewards of our Mercy tradition. This seminar is required of freshmen and meets once a cycle.

(6810) Financial Intelligence

Semester

.25 Credit

Required of sophomores

This class meets once during the eight day cycle. The goal of this course is to help students gain financial acumen that will help them in their personal and professional life for decades to come. Students will understand the repercussions of financial decisions they make and improve their financial independence, eschewing debit while investing wisely. Topics presented will grant them the lifelong confidence to engage in financial discussions and pose questions.

(6882) Guidance 11

Semester

Required of juniors

Junior Guidance Seminars are scheduled during the second semester as part of the academic schedule. Students are assigned to meet one period per eight day schedule. All topics covered in seminar are also addressed with students in one-on-one meetings with their College Counselors. Seminar topics for Junior year include the following: Introduction to Junior Guidance Seminar/Naviance: Building a College List, Application Deadlines, and the different factors that go into a solid college application/Standardized Testing and Timeline (College Planning Timeline)/Grade 12 Course Selection Seminar/Career Exploration, College Major Exploration/Resume Seminar/College Essay Questions & Mock Interview Seminar/Majors and Careers/Teacher Recommendation Letters & Summer To Do List Seminar.

(6891) Guidance 12

Semester

Required of seniors

Senior Guidance Seminars are scheduled during the first semester as part of the academic schedule. Students are assigned to meet one period per eight day schedule. All topics covered in seminar are also addressed with student in one-on-one meetings with their College Counselors. Seminar topics for Senior year include: Introduction to Senior Seminar/Updating College List/Review the Importance of a Solid Application/Review Deadlines and Student Responsibilities/Common Application Bootcamp Seminar/Transcript Request/Early Decision Signing Seminar/Financial Aid, CSS Profile & Scholarship Seminar/Final Senior Seminar - Review of Next Steps, Request of First Quarter Grades for Early Action Institutions, and How to Make a Conscientious Decision in May.

RELIGIOUS STUDIES DEPARTMENT

All students are required to take four credits of high school religion.

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 at one site.

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, especially as they pertain to the Sacred Scripture. It does not assume any previous knowledge of the subject. The course begins with an exploration of both Divine and Natural Revelation, inspiration, and Biblical interpretation. The remainder of the first semester focuses on an introduction to Sacred Scripture and the unfolding of salvation history in the Old Testament. Students will come to know the people of salvation history as well as the role of the Scriptures in the life of faith for the individual and for the entire Church. The second half of the year focuses largely on Jesus Christ and the New Testament, providing an in-depth study of Jesus Christ, the Second Person of the Trinity, as well as Mary, Mother of Christ. Students will work towards 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 **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 happiness, 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 – Social Justice

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 – Women of Faith

Semester

.5 Credit

Required of seniors

One of the core values of a Mercy education is concern for women and women's issues. The purpose of this course is to help students understand the contributions that women have made to Christianity by exploring important female figures in the Bible and saints of the Catholic Church. Students will study the unique contributions of women, such as Sarah, Tamar, Judith, Esther, and Mary, to salvation history. Students will also discover the vast contributions that saints, such as Hildegard, Clare, and Teresa of Avila, have made to Catholic tradition and theology. Finally, students will also be asked to see how they, in their own unique way, can contribute to the building up of the Church.

(0482) Senior Religion 2 – Comparative Religions

Semester

.5 Credit

Required of seniors

As the culminating course in the Religion curriculum, Comparative Religions examines the universal questions that underlie the world's major religious traditions. The core of the course is dedicated to the study of Judaism, Islam, Hinduism, Buddhism, and Chinese religious traditions (including Confucianism and Taoism). Comparisons to Christianity are made throughout the course. After looking at the historical and philosophical foundations of these traditions, students then examine current practices and events. This course teaches an appreciation of diversity and respect for the values of these religious traditions while modeling constructive interreligious dialogue.

SCIENCE DEPARTMENT

All student are required to take a minimum of three credits of high school science; most students take four credits and some students take five credits.

Lauralton Hall follows the PCB sequence for Science (Physics, Chemistry, and Biology). The department views this as the most effective way to impart an understanding of science and naturally build upon the knowledge learned from the previous year. Basic Physics principles are easily understood when related to real world activities. It is the job of the Physics teacher to translate this innate understanding into mathematical concepts (which is reinforced by most students taking Algebra concurrently). As sophomores, students are now confident in the manipulation of algebraic formulas and are ready to use those skills in Chemistry. This mathematical assurance allows them to focus on understanding the more abstract concepts in Chemistry, such as atomic structure, electronegativity, and chemical reactivity. As juniors, they are well versed in chemical reactions and can understand the true basis of biology –that everything in life is a complex and tightly controlled series of chemical reactions. Students can genuinely understand modern biology and current research, which focuses on a combination of fields including molecular biology, biochemistry, and biostatistics. Science builds upon itself and every discipline interweaves with every other, with Physics, Chemistry, and Biology forming the foundation of all other iterations. Therefore, we feel strongly that students need to take all three of these courses to form a solid foundation before they begin to specialize by taking electives. **All required department courses must be taken before (or concurrently if a Junior enrolled in Honors Cellular and Molecular Biology choses to take a second science course) taking electives.**

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

(Prerequisite: Math 412—Algebra I CP1 or Math 422—Geometry CP1 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, 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

(Prerequisite: Math 413—Algebra I CP2 taken concurrently)

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, and stoichiometry.

(5232) Chemistry (CP1)

Year

1 Credit

(Prerequisite: Science 5122—Physics CP1)

This course is a study of the structure and interaction of matter. Topics covered include formula writing, chemical bonding, chemical equations, nomenclature, atomic theory, gases and acids and bases. Emphasis is placed on reinforcement and understanding through multiple tools, such as critical thinking, problem solving, written and oral expression and collaboration. Labs provide 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 (5332) with a greater emphasis on vocabulary and individualized instruction. Inquiry and experimental activities reinforce key concepts and skills.

(5511) Advanced Biology Honors – UConn Course # BIOL1107 Principles of Biology 1 **Year** **1 Credit**

(Prerequisite: Science 5311—Biology H or a minimum final average of A- (90) in 5332 Biology CP1)

Open to seniors.

This course is the equivalent of the UConn Biology course. Students may receive 4 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—Alg2 CP1 and a minimum final average of B- (80) in Science 5111—Physics Honors or B+ (87) in Science 5122—Physics CP1)

(Prerequisites for juniors: currently enrolled in or have completed Math 431—Alg2/Trig and a minimum final average of B+ (80) 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 simple harmonic motion. 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 required to complete an online AP Physics preparatory course over 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**

(Prerequisite: Minimum final average of C+ (77) in Science 5332—Biology CP1, or minimum final average of A- (90) 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) Year 1 Credit

(Prerequisite: Science 5311—Biology H)

Open to seniors.

This flipped classroom, lab-driven, advanced forensic science course is the application of science to the examination of physical evidence obtained in the investigation of a crime scene. In this course, you will engage in forensic lab techniques to help interpret evidence left at a crime scene. This course covers many topics such as crime scene analysis, collection of physical evidence, DNA analysis, blood typing and spatter analysis, fingerprint analysis, hair and fiber analysis, and pathology. Classroom activities include learning and laboratory exercises that emphasize the role of forensic science within the criminal justice system, as well as individual check-ins monitoring student progress. When possible, guest lectures by forensic professionals supplement the class.

(5432) Introduction to Forensic Science (CP1) Year 1 Credit

(Prerequisite: Science 5332—Biology CP1)

Open to seniors.

This flipped classroom, lab-driven, advanced forensic science course is the application of science to the examination of physical evidence obtained in the investigation of a crime scene. In this course, you will engage in forensic lab techniques to help interpret evidence left at a crime scene. This course covers many topics such as crime scene analysis, collection of physical evidence, DNA analysis, blood typing and spatter analysis, fingerprint analysis, hair and fiber analysis, and pathology. Classroom activities include learning and laboratory exercises that emphasize the role of forensic science within the criminal justice system, as well as individual 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 or juniors: Minimum final average of B+ (87) in most recent Honors level science course or minimum final average of A- (90) in most recent CPI level science course)

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 APES preparatory assignment over the summer (8-10 hours). 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 98 in Science 5232—Chemistry CP1 and a minimum final average of 90 in Math 411-Algebra 1 H or Math 431- Alg 2 Trig)

(Prerequisites for juniors: minimum final average of B- (80) in Science 5231—Chemistry H, or a minimum final average of 98 in Science 5232—Chemistry CP1 and a minimum final average of 90 in Math 411-Algebra 1 H or Math 431- Alg 2Trig)

(Prerequisite for sophomores: minimum final average of 97 in Science 5111 – Physics H and a minimum final average of 90 in Math 411-Algebra 1 H or 85 in Math 421- Geometry H)

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 required to take the Advanced Placement examination in the spring.

WORLD LANGUAGES DEPARTMENT

All student are required to take a minimum of two credits of high school world language; 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.

LATIN

(712) Latin 1 (CP1)

Year

1 Credit

This course is an introduction to the Latin language, in which students learn the essential grammar, vocabulary and pronunciation necessary to begin reading and appreciating Latin literature. Students are also introduced to the religions, politics, and history of ancient Rome, and its vast linguistic and cultural influence on the modern world, through Latin readings written in the voices of influential women throughout Roman history.

(721) Latin 2 Honors

Year

1 Credit

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

This course builds upon the knowledge and skills acquired in Latin 1, introducing students to more complex grammar and syntax. Students are challenged to learn all forms of verbs, nouns, and adjectives, and begin to explore the complex sentence structures that they will encounter in authentic Latin literature. Writings adapted from Ovid's *Metamorphoses* and Catullus's *Carmina* provide students with the opportunity to apply their translating skills while encountering the mythological foundations and daily lives of Romans.

(722) Latin 2 (CP1)

Year

1 Credit

(Prerequisite: Latin 712—Latin 1 CP1)

This course follows the Latin 2 Honors curriculum with suitable modifications in assignments and assessments.

(731) Latin 3 Honors

Year

1 Credit

(Prerequisite: Latin 721—Latin 2 H)

In this course, students develop their command of the Latin language through authentic and adapted readings about the fall of Roman democracy. Students explore the nuances of the Roman sociopolitical identity, and the events that led to the rise of Augustus's Principate, in order to contextualize the readings that students will begin in their fourth year.

(732) Latin 3 (CP1)

Year

1 Credit

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

This course follows the Latin 3 Honors curriculum with suitable modifications in assignments and assessments.

(741) Latin 4 Honors

Year

1 Credit

(Prerequisite: Latin 731—Latin 3 H)

This course follows a simplified version of the AP Latin curriculum with suitable modifications in assignments and assessments.

(7501) Latin Advanced Placement

Year

1 Credit

(Prerequisite: Latin 731—Latin 3 H with a minimum final average of A- (90))

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 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, and literature of the Late Roman Republic and Early Empire. 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 De Bello Gallico during the summer prior to the start of the course, and an English translation of the complete Aeneid before the beginning of the second semester. The themes of both the historical commentary and the mythic epic poem are war, heroism, corruption, freedom, duty, and love. Students are required to take the Advanced Placement examination in the spring.

FRENCH

(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. Beginning in September, 2022 French 1 will no longer be offered.

(821) French 2 Honors

Year

1 Credit

(Prerequisite: A minimum final average of A- (90) in French 812—French 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. More irregular verbs and complex grammar constructions are presented and simple past tense is practiced; the imperfect tense is introduced.

(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. More irregular verbs and complex grammar constructions are presented and simple past tense is practiced; the imperfect tense is introduced.

(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. Students create an original fairytale after a study of French tales.

(832) French 3 (CP1)

Year

1 Credit

(Prerequisite: French 822—French 2 CP1)

This curriculum of this course covers much of the same material as French 3 Honors (831) with modified assessments.

(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.

(842) French 4 (CP1)

Year

1 Credit

(Prerequisite: French 832—French 3 CP1)

The curriculum of this course covers much of the same material as does French 4 Honors (841) with modified assessments

(88851) French Language and Culture Advanced Placement

Year

1 Credit

(Prerequisite: French 841—French 4 H with a minimum final average of an A- (90))

Depending on enrollment, this course may be offered online through One Schoolhouse. In some instances, Lauralton Hall tuition may not cover the online school tuition. Students must submit an Off-Campus Course Request Form. AP French Language and Culture students will be able to interpret and discuss historical and cultural topics, as well as current events pertaining to the various communities that exist in the Francophone world. Six themes are explored throughout the course: Personal and Public Identities, Families and Communities, Global Challenges, Science and Technology, Contemporary Life, and Beauty and Aesthetics. Students use information from a wide range of sources to engage in learning, discussion, and analysis activities as they deepen their understanding of and confidence in the grammatical structures of the language. Throughout the year, students engage in reading, writing, speaking, and listening activities and assessments. Students are required to take the Advanced Placement examination in the spring.

SPANISH

(912) Spanish 1 (CP1)

Year

1 Credit This

course will introduce the basic elements of the Spanish language, as well as the important aspects of the culture and history of Latin America countries and Spain. This course will prepare students to be ready to develop the four language skills: speaking, listening, reading and writing for the upcoming levels of the Spanish language. At the end of the first year in Spanish, students will be able to communicate and express feelings, desires, and descriptions, etc. Students will also be able to form sentences and conjugate regular and irregular verbs in the present tense and the present progressive, as well as recognize the different parts of a sentence.

(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. Students will learn vocabulary relating to such topics as health, technology, the home, nature, and city life. 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 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. 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 introduce students to 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 advanced grammar structures, reading, writing, and conversational skills, as well as understanding and an appreciation of Hispanic culture. The course will include readings about Spanish and Spanish-American history, art and culture, 20th century short stories by famous Hispanic authors and a basic introduction to the six integrating themes. Grammar is reviewed as necessary.

(9501) Spanish Language Advanced Placement

Year

1 Credit

(Prerequisite: Spanish 931—Spanish 3 H with a minimum final average of A (95) or Spanish 941—Spanish 4 H with a minimum final average of A- (90))

The AP Spanish Language and Culture course has been designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world that is approximately equivalent to an intermediate college or university Spanish course. Students are required to take the Advanced Placement examination in the spring.

Enrichment Programs

The following opportunities are available for students to earn additional nonacademic credit. Students are awarded credit in June if all responsibilities are met.

Jazz Orchestra **Year** **.5 credit**

Open to freshmen, sophomores junior and seniors.

The Lauralton Hall Jazz Orchestra is an advanced performance ensemble open to all Lauralton students. Students do not have to be members of the Symphonic Orchestra to participate. The ensemble incorporates many different styles of music including Jazz, Blues, Swing, Pop and Rock. Students will perform pieces that allow them to further interpret rhythms, harmony, and theory while also being introduced to improvisation. There are also opportunities for members to audition for solos within the songs. The ensemble performs at the Christmas and spring concerts, as well as the Great East Music Festival in May. Attendance at performances is mandatory. Rehearsals take place during regular school hours and occasionally during the Common Time period.

Milford United Percussion **December to May** **.25 credit**

Open to freshmen, sophomores, juniors and seniors.

Milford United Percussion is a competitive percussion ensemble based out of Lauralton Hall. This unique group also incorporates students from other schools in Milford including, Jonathan Law, Foran, and Platt Tech. The ensemble competes against other groups from surrounding towns and states in the Musial Arts Conference (MAC). Milford Untied Percussion has won multiple championships since its inception and consistently achieves the top level of Platinum at the Great East Music Festival. The ensemble is comprised of students who do not primarily play percussion instruments as well as not having any prior experience. The group also incorporates guitars, electric bass, strings, piano, and sometimes vocalists. The ensemble learns a 5-6 minute thematic show utilizing styles from Latin African, Pop, Jazz, Blues and Rock. Students learn percussive techniques and musicianship in addition to team-work and leadership skills. Mr. Allen has created shows for and taught many of the top high school music programs and drum corps throughout the United States. Milford United begins rehearsals in January and runs through May. The group performs at several MAC competitions in March and April (Saturdays), the Lauralton Hall spring concert in April and the Great East Music Festival in May.

Youth & Government (YAG)

Year

.25 credit

Open to freshmen, sophomores, juniors and seniors.

Youth & Government is a club at Lauralton Hall that immerses students in the Connecticut legislative process. Organized and run in conjunction with the YMCA of Hartford, students take on the role of state legislators and learn how to write a bill, practice parliamentary procedure and simulate the committee process. In addition, students may also participate in the Press Corps or the Youth and Law competition at the state conference. Students travel on a Sunday in January for Pre-states, and for a weekend in March for the State conference. Delegations from across CT assume the roles of Representatives, Senators, and state officers where they debate their final bills in the actual Capitol and Legislative Office Building. There is also an opportunity for the students to attend a national conference in North Carolina and a national law conference in Chicago, which are both in the summer. The club meets on the first, third and fourth Thursdays after school. There is a separate fee to participate in the club due to the YMCA fee, the hotel stay and transportation needs.

Engineering Team

Year

.25 credit

Open to freshmen, sophomores, juniors and seniors.

Lauralton Hall's Engineering Team works in conjunction with the Sikorsky Aircraft Corporation in Stratford, CT to participate in a Science, Technology, Engineering and Math (STEM) Challenge for High School Students to be mentored by Engineers throughout the academic year-long competition. This competition provides students an opportunity to consult with Engineers in the field as they work to solve an engineering design problem. The experience embraces the 21st Century skills of creative thinking and problem solving and applies them to technical problems faced in an actual engineering workplace. Students travel in October to Chester Airport for Preliminary Presentations and in April travel to Sikorsky Aircraft Corporation in Stratford to present the final challenge design. The team meets on Monday and Thursday after school, as well as Wednesday mornings due to school late start.