Edwin O. Smith High School

Program of Studies
2023-2024

1235 Storrs Rd. Storrs, CT 06268 | 860 - 487-0877
www.eosmith.org

TABLE OF CONTENTS

Updated: August 2023

Dear E.O. Smith Students:

The Program of Studies will provide an overview of the courses offered at E.O. Smith for the 2023-2024 school year. Our goal is to encourage you to make informed choices about your academic program as you prepare for the 2023-2024 school year and beyond. You will find course names and descriptions to help you arrive at general understanding of each course. Please take time to consider the academic level you feel best suits you. Assistance on this is available by consulting your teachers, counselor and parent/guardian. I encourage you to ask other members of the faculty and administration for their advice as well. By working together, you will build a program of studies that meets your academic needs.

The following are some guidelines to consider as you choose your program of study and overall E.O. Smith experience:

Plan Ahead: Keep all potential college and career options in mind when choosing a program of study. Meet with your school counselor regularly so he/she can assist you. Apprise your counselor of your interests and goals so he/she can provide important information aligned with your future plans.

Set Goals: Take the time to set academic, co-curricular and any personal goals you hope to achieve this year. Once you commit to goals for the school year, schedule checkpoints throughout the year to hold yourself accountable. You may wish to include a person you trust and will encourage you along the way.

Find Hidden Interests and Abilities: Be a curious and passionate learner. Enroll in courses and join programs that might stimulate your interests, skills, and hidden talents. Feedback from EOS graduates has shown the most impactful experiences came from interests they developed while in high school.

Challenge Yourself: Enroll in courses taught at challenging academic levels. E.O. Smith has the distinction of offering the most Early College Experience (ECE) courses of any high school in Connecticut. We also offer concurrent enrollment courses from ECSU and MCC along with Advanced Placement opportunities. Take advantage of these offerings to earn college credit while in high school.

Complement Your Studies: Take advantage of our wide variety of clubs and organizations to expand your view of the world. The experiences created through our co-curricular programs will have a lasting impact on you.

By using these guidelines, and by interacting and seeking insight from others, you will greatly enhance your ability to create a fulfilling high school experience that will strengthen the foundation of your life's happiness and success.

Sincerely,
Louis F. DeLoreto
Principal

E.O. Smith High School

Vision, Core Values, Beliefs, and Vision of a Graduate

MISSION

Edwin O. Smith High School is a community of learners committed to academic excellence, personal achievement, and integrity. Students are encouraged to respect and learn from differences to become self-directed learners who demonstrate a sense of responsibility to contribute as literate members of an independent world.

VISION OF A LEARNER

An EO Smith learner passionately engages in the process of acquiring knowledge to independently find and apply a deeper understanding to themselves and new situations they encounter. EO Smith graduates will be prepared to work collaboratively with others to find solutions to face the challenges of the future with creative thought and purpose.

VISION OF THE GRADUATE

An EO Smith High School graduate is a problem solver, a critical thinker, an active citizen, a communicator, and someone who demonstrates curiosity, personal responsibility, and content literacy.

Problem Solver - Identifies creative and practical approaches to solving complex tasks or issues

Critical Thinker - Questions, analyzes, and synthesizes information
Active Citizen - Demonstrates cultural responsibility and is a productive, empathetic, and contributing member of their community and the world

Communicator - Actively express and listen to thoughts and ideas, both individually and collaboratively, across a variety of formats and settings

Curious - Explores interests, takes risks, and searches for passion, purpose, and meaning

Personally Responsible - Develops self-awareness and ownership of one's learning and behavior; takes initiative, demonstrates integrity and resilience, and strives for a balanced life

Content Literate - Uses a strong knowledge base across disciplines to apply and transfer skills to a variety of situations

Administration

Sharon Cournoyer, Superintendent
Louis DeLoreto, Principal
Karen Paruolo, Assistant Principal
Dave Tanner, Assistant Principal
Steve Bayne, Director of Special Services
Renee Najarian, Director of School Counseling
Edward DePeau, Director of Mathematics & CTE
Diane Hannon, Director of Science
Megan Magner, Director of Social Studies
Dr. Kris Nystrom, Director of English & Fine Arts
Dan Uriano, Director of Athletics

Region 19 Board of Education

Jim Mark, Chair
Janice Chamberlain, Treasurer
Timothy Rourke, Secretary
Arthur Christenson
Robert Jellen
Anthony Paticchio
Sarah Smith
Kimberly Christenson
Debra Hultgren
Nancy Silander
Morgan Donaldson
Samantha Sperry

School Counseling Staff

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E.O. Smith High School

NON-DISCRIMINATION STATEMENT

The Board of Education complies with all applicable federal, state and local laws prohibiting the exclusion of any person from any of its educational programs or activities, or the denial to any person of the benefits of any of its educational programs or activities because of race, religion, color, national origin, sex, sexual orientation, marital status, age, disability (including pregnancy), or gender identity or expression, subject to the conditions and limitations established by law.

For the purposes of this policy, "gender identity or expression" means a person's gender-related identity, appearance or behavior, whether or not that gender-related identity, appearance or behavior is different from that traditionally associated with the person's physiology or assigned sex at birth, which gender-related identity can be shown by providing evidence including, but not limited to, medical history, care or treatment of the gender-related identity, consistent and uniform assertion of the gender-related identity or any other evidence that the gender-related identity is sincerely held, part of a person's core identity or not being asserted for an improper purpose.
Any questions regarding this policy should be directed to:

Karen Paruolo
Assistant Principal/Title IX Coordinator
E.O. Smith High School 1235 Storrs Rd.
Storrs, CT 06268
(860) 487-0877 x4961

Legal Reference:
Title IX of the Education Amendments of 1972, 20 U.S.C. § 1681, et seq.
Title VI of the Civil Rights Act of 1964, 42 U.S.C. § 2000d, et seq.
Americans with Disabilities Act, 42 U.S.C. § 12101, et seq.
Connecticut General Statutes § 10-15c and § 46a-81a, et seq. - Discrimination on basis of sexual orientation
Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. § 794, et seq.
Public Act 07-62 An Act Concerning the Deprivation of Rights on Account of Sexual Orientation

GRADUATION REQUIREMENTS

Graduation from Edwin O. Smith High School signifies students have satisfactorily completed a prescribed course of study, fulfilled distributive course requirements, and have met all state and district requirements for graduation. **Required courses are marked with an * in the catalogue listing.**

Minimum Requirements for Graduation: 25 Credits

SUBJECT	Credits Required (Course requirements)	SUBJECT	Credits Required (Course requirements)
English	4 credits (English 9, 10, 11, 12)	Career and Technical Education or Fine Arts	1 credit (Career &Technical Ed. or Fine Arts)
Social Studies	3 credits (Global Studies/Geography, U.S History, Western/ Non-Western or equivalent and Politics)	Health	1.0 credits (Health and Wellness,- Public Health/Safety and/or Health 9)
Mathematics	4 credits (Or successful completion of AD Calculus [UC 1131-1132] with a C or better)	Electives	6 Elective credits
Science	3 credits (Biology, plus one physical science and one credit in other science course/courses)	Senior Project/ Mastery Based Learning Assessment	1.0 credits awarded for successful completion of portfolio and presentation
Physical Education	1.0 credits	World Language	1.0 Credits

PROMOTION AND GRADE PLACEMENT

All students are required to earn 25 credits to graduate. Students are not retained based upon credits earned prior to the end of their senior year.

Students will be required to maintain a minimum schedule of 6.0 credits. The minimum credit requirement may be waived for students entering their senior year with 21 or more earned credits in conjunction with an individual plan of study, approved by the Director of School Counseling and Principal.

GRADING SYSTEM

Grades are the responsibility and judgment of each teacher operating under the general guidelines of the Board of Education. Grades are recorded as A, B, C, D, F, W, WF, I, S or P; pluses and minuses can be earned. Only the final mark of each course is recorded on the permanent school record.

A – Exemplary
B – Above average
C – Satisfactory
D – Unsatisfactory
F – Failing

W – Withdraw
WF – Withdraw fail
I – Incomplete
P – Met minimum satisfactory proficiency
S – Credit earned

SCHOOL COUNSELING

The mission of the Edwin O. Smith High School Counseling Department is to provide academic counseling, career and college advisement, and personal/social support to all students.

Counselors demonstrate respect for the dignity and worth of each individual, and encourage each student to develop individual responsibility and effective decision-making skills. Counselors coordinate the school counseling program and involve all staff members in designing and implementing plans to meet three major goals: educational development, personal/social development, and career development. The School Counseling Department uses Naviance to facilitate communication, planning and course selection. The link to Naviance can be found on the Parent Page under Important Links on Canvas.

COURSE SELECTION PROCESS

SELECTION OF COURSES

Edwin O. Smith High School schedules each student either individually or in small group meetings with school counseling.

COURSE LOAD REQUIREMENTS

Students plan their following year's program during semester two of each year. The minimum credit requirement is 6.0 credits. The minimum credit requirement may be waived for students entering their senior year with 21 or more earned credits in conjunction with an individual plan of study, approved by the Director of School Counseling and Principal. The Planning and Placement Team and the Collaborative Assistance Team can grant exceptions to this requirement.

Courses taken through adult education do not count toward this requirement. Please see page 7 for information about Independent Study.

ADDING A SEMESTER COURSE

Once a semester course has been in session for two weeks, students will only be allowed to enroll in the course with the mutual agreement of the Director of School Counseling and the subject area department chairperson.

DROPPING A SEMESTER COURSE

A student is permitted to drop a semester course up to the twentieth (20th) school day of the semester with no record of enrollment appearing on his or her transcript.

A student is permitted to drop a semester course after the twentieth (20th) school day until the Mid-Semester Check-in date, with a "W" (Withdraw) appearing on his or her transcript.

Any student who drops a semester course after the Mid-Semester Check-in date will be issued a grade of "WF" (Withdraw-Fail) on his or her transcript.

DROPPING A YEAR-LONG COURSE

A student is permitted to drop a year-long course until the Mid-Semester Report date with no record of enrollment appearing on his or her transcript.

A student is permitted to drop a year-long course from the Mid-Semester Report date until the end of semester 1 with a "W" appearing on his or her transcript.

A student is permitted to drop a year-long course after the end of semester 1 with a "WF" appearing on his or her transcript.

Extenuating Circumstances - In such cases where the deadline for dropping a course has passed, both the Director of School Counseling and the subject area Department Chairperson will mutually decide whether the deadline should be waived. If there is no agreement, the matter will be referred to the Principal who will make the final decision.

ACADEMIC LEVELS OF STUDY

“Advanced (AD)” includes AP, ECE, ECSU concurrent enrollment courses

*Dual enrollment courses (those taken on a college campus) will receive advanced weight.

“Honors (H)” Includes MCC concurrent enrollment courses.

“College or Career Readiness (CC)” Includes all other course offerings not offered by the Special Service Department.

““DI level” (Level III) includes courses offered by the Special Services department. Students enrolled in these courses are generally students who demonstrate a need for individualized instruction.

LEVEL CHANGES

Students changing levels during a course must do so by the published 1st and 3rd marking period snapshot date. Students will retain their grade from the course they are transferring from and it will be applied to the new course. Students changing levels after the deadline will receive a P/F for the new course.

INDEPENDENT STUDY

Students are allowed to take 0.5 credits per semester for a pre-approved independent study. Independent study can serve as a 6th course. Independent Study does not count toward honor roll or athletic eligibility. Successful completion will be awarded a grade of “P” which will not factor into overall GPA. Students who participate in an independent study should be able to work autonomously dedicating the time necessary to fulfill the established criteria.

TRANSFER CREDITS

Transfer credits must be earned from an accredited high school recognized by a regional accrediting agency, such as the New England Association of Schools and Colleges Inc., and the Connecticut State Department of Education.

EARLY COLLEGE (ECE UCONN), EASTERN AND MCC COURSES OFFERINGS AVAILABLE AT E.O. SMITH HIGH SCHOOL

Students have the opportunity to earn college credits through the University of Connecticut Early College Experience (ECE) Program, the Eastern Connecticut State University Concurrent Enrollment Program, and the College Career Pathways Program at Manchester Community College. Students who meet the program prerequisites will receive credit posted to a transcript from the college.

Students also have the opportunity to enroll in classes offered on the University of Connecticut campus.

Some courses are offered

Accounting 1A (MCC)
AD Allied Health Professions (UConn)
AD Allied Health Medical Terminology (UConn)
AD Applied Mechanics Civil Engineering (UConn)
AD Behavior Training Domestic Animals (UConn)
AD Biology (UConn)
AD Biotechnology (UConn)
AD Calculus 1&2 (UConn)
AD Calculus 1 (Eastern)
AD Chemistry (UConn)
Computer Science Concepts (MCC)
AD Discrete Math (UConn)
AD English (UCONN)
AD Environmental Science (UConn)
AD Floral Art (UConn)
AD Floral Design (UConn)
AD French (UConn)
AD Horticulture (UConn)
AD Human Biology (Eastern)
AD Human Rights (UConn)
AD Ind & Family Devel. (UConn)
AD Intro to Companion Animals (UConn)
AD Latin (UConn)
AD Latin American Studies (UConn)
AD Macroeconomics (UConn)
AD Microeconomics (UConn)
AD Multivariable Calculus (UConn)
AD Music Fundamentals (UConn)
AD Philosophy (UConn)
AD Physics (UConn)
AD Spanish (UConn)
AD U.S. History (UConn)
AD Turf Management
AD Statistics (UConn)
Personal Finance (MCC)
AD World Civilizations (UConn)

ADVANCED PLACEMENT (AP) COURSE OFFERINGS

The College Board's AP courses are offered in a variety of subjects. Through AP's college-level courses and exams, students can earn college credit.* Recognition of different scores for credit, advanced placement, or both will vary with different colleges. Students should consult with their school counselor for more information.

AP Psychology
AP Drawing
AP French
AP German
AP Precalculus
AP United States History
AP Research
AP Seminar
AP Statistics
AP Spanish

STANDARDIZED TESTING INFORMATION AND DATES

PSAT 8/9
The PSAT 8/9 is the first in the College Board's "SAT Suite of Assessments" and is offered to ninth graders. The purpose of the PSAT 8/9 is to establish a starting point in terms of college and career readiness as students transition to high school and prepare for the PSAT 10, PSAT/NMSQT and the SAT. The PSAT8/ 9 will be administered to all grade 9 students on October 25 & 26, 2023.

PSAT 10 & NMSQT
The PSAT 10 is the next step in the College Board's "SAT Suite of Assessments," preparing students for the SAT. The PSAT 10 will be administered to all 10th graders on March 20, 2024. The NMSQT, when taken during a student's junior year, is also used in qualifying for the National Merit Scholarship Corporation competition for scholarships and recognition. The PSAT/NMSQT is optional and will be administered to interested students on October 11, 2023.

SAT
The Connecticut School Day SAT will be administered on March 20, 2024 to all eleventh-grade students. In addition to the required state testing date, the SAT is also administered many times throughout the year. Students should see their counselor for more information regarding available dates and testing sites.

NEXT GENERATION SCIENCE STANDARDS(NGSS)
The NGSS test is administered to grade 11 students semester two at a date TBD. The testing window for NGSS is February 5-May 31,2024.

NCAA ELIGIBILITY REQUIREMENTS

Students planning to enroll as college freshmen who want to participate Division I or Division II athletics must be certified by the NCAA Initial-Eligibility Center. DIVISION III schools do not require students to be certified.

It is each student's responsibility as a "prospective student-athlete" to make sure the NCAA Eligibility Center has the materials needed for certification. This is an important process and lack of planning could result in not being approved to play at the college level. Students should start to track their progress beginning in their freshman year by going to the NCAA Eligibility Center website (www.eligibilitycenter.org) to access information needed to understand the Division I and Division II eligibility requirements, register with the NCAA Eligibility Center, and access individual records.

We recommend students begin the registration process no later than the spring of their junior year. To start the registration process, a student must go to the NCAA Eligibility Center website (www.eligibilitycenter.org) create an account, register and file a student release form. This form, as well as the required fee (fee waivers are available, please see school counselor for more information), must be submitted to the Eligibility Center. Students are also required to submit their high school transcript. Once requested, an official student transcript will be electronically submitted from the School Counseling Office.

For the most up-to-date list of E.O. Smith High School's approved core course:

- Go to www.eligibilitycenter.org
- Click on "Help", then "Resources", then "Find your Core Courses"
- Enter the HHS 6-digit CEEB code (070754) or school name and click on "Search"
- You may select a specific core area or "All Subject Areas" and click on "Submit."
- Please contact your counselor with any questions or concerns regarding NCAA eligibility

In addition, when registering for the SAT or ACT, the student must request that scores be sent to the NCAA Eligibility Center.

AGRISCIENCE EDUCATION

Matthew Agnello, Department Chair | magnello@eosmith.org | 860-487-0877 x4570

The Agriscience Education Center at E.O. Smith High School offers a four-year comprehensive college prep-program where students learn real world applications, with rigor and relevance in the areas of animal science, agricultural engineering and natural resources, plant science and turf grass management. The Agriscience program serves students through an integrated model of classroom/laboratory instruction, experiential learning, leadership and personal skill development. Further, all students are members of the FFA and have a supervised agricultural experience that supports classroom and laboratory instruction outside of class time. The basis for the program is premier leadership, personal growth and career success, in the extensive field of agriculture. Students take regular academic classes at E.O. Smith and take Agriscience Education classes as an elective. Any interested students may apply to the program during the winter of their eighth-grade year.

The National FFA Organization

The FFA is a National Youth Organization that is comprised of over 550,000 members from every state. In Connecticut, there are over 3500 members. The FFA helps students develop premier leadership, personal growth, and career success. The FFA is incorporated into every content area for classes Ag-Ed 2- Ag-Ed 4. Elements to the FFA curriculum are leadership development, public speaking, teambuilding and other skills people use every day.

AD Horticulture (UCSPSS 1110) – S1 & S2

Open to 11, 12* Credit: 1.5

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: None

Science and practice of horticultural plant propagation and culture; Basic concepts of plant structure, growth, and function; Integrated pest management; Impact of new technology; Horticulture and the environment.

Summer Prep required, which includes: Review plan identification list for floriculture and nursery/landscape plants. Use plant list from the National FFA Floriculture and Nursery/Landscape CDE list found on the FAA.org website.

AD Floral Art (UCSPSS 2520) – S1

Open to 11, 12* Credit: .75

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: None

The study of flower arrangement as an art form with emphasis on historical background, artistic principles, color harmony and care of perishable media. Individual expression is encouraged in the creation of floral composition.

Summer Prep required, which includes: Plant identification of floriculture & nursery/ landscape plants. Use the plant list from the National FFA Floriculture and Nursery/landscape CDE list found on FFA.org website.

AD Floral Design (UCSPSS 3530) - S2

Open to 11, 12* Credit: .75

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: Student must earn a C or higher in UCSPSS 2520

In depth study of post-harvest requirements for specialized floral crops. Exposure to novel floral materials with an emphasiss on special events and wedding designs. Mass marketing, retail price structuring and mass-production concepts are covered

**Enrollment of Ag-ed Students first, non Ag-Ed if space available*

AD Intro to Companion Animals (UCANSC 1676) - S2

(UCANSC 1676) S1

Open to 11, 12 Ag-Ed Students. Credit: .75

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: Student must have completed Biology and the freshman year Ag-Ed Animal Science course in high school.

Basic concepts of the nutrition, physiology, health, and management of companion animals.

AD Behavior & Training of Domestic Animals (UCANSC 1602) – S1

Open to 11, 12 Ag-Ed Students. Credit: .75

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: Student must have completed Biology and the freshman year Ag-Ed Animal Science course in high school.

Application of behavior of cattle, horses, sheep, goats, swine and poultry to their management, training and welfare. Basic principles of genetics and physiology of behavior, perception, training, learning, motivation, and stress with consideration of integrated behavioral management and animal welfare.

AD Turfgrass Management (UCSPSS 1100) - S1 & S2

Open to 11, 12* Credit: 1.5

Concurrent enrollment credit possible (ECE – UCONN)

Prerequisite: Successful completion of one year of high school

biology.

An overview of turfgrass adaptation, selection, and management. Topics include turfgrass growth, physiology, soil interactions, establishment, and maintenance. Cultural system practices for lawns, golf courses, athletic fields, and other turf areas. Turfgrass pest management practices for weeds, insects, and diseases.

Supervised Agricultural Experience (SAE)

Required for all students in Ag-Ed 2, 3, 4 Credit: .625

Prerequisite: Ag-Ed 1

The Supervised Agriculture Experience Project (SAE) is required for all students in Ag-Ed 2, 3, and 4. It is an experiential learning project where students take the content knowledge they learned in class and apply it to a real-world situation. This project also helps students build the following skills: communication, time management, record keeping and financial competence.

Ag-Ed 1 CC – YR

Required for all grade 9 students in Ag-Ed Credit: 1.25

Prerequisite: Enrollment in Ag-Ed

Interested students may apply to the program during the winter of their eighth-grade year. FFA leadership activities are part of the curriculum. Over the course of the school year, students in Ag-Ed 1 rotate through five different subjects: Agriculture Engineering, Animal Science, Plant Science, Natural Resources and Turf & Landscape Management. Ag-Ed 1 includes a lab scheduled consecutively with their regular instructional period.

AGED Animal Science 2 Major CC – S1 & S2

Required for Ag-Ed Animal Science majors Credit: 1.5

Prerequisite: Ag-Ed 1

The units focus on a variety of topics within Animal Science. FFA leadership and SAE are both part of the curriculum. Units of study include animal handling, careers, public speaking, restraining and handling small and large animals, animal habitats.

Animal Science 3 CC – S1 & S2

Required for Ag-Ed Animal Science majors Credit: 1.5

Prerequisite: Ag-Ed Animal Science 2

Basic concepts of the nutrition, physiology, health, and management of companion animals. Application of behavior of cattle, horses, sheep, goats, swine and poultry to their management, training and welfare. Basic principles of genetics and physiology of behavior, perception, training, learning, motivation, and stress with consideration of integrated behavioral management and animal welfare.

Animal Science 4 CC – YR

Required for Ag-Ed Animal Science majors Credit: 1.5

Prerequisite: Ag-Ed Animal Science 3

Basic concepts of the nutrition, physiology, health, and management of companion animals. Application of behavior of cattle, horses, sheep, goats, swine and poultry to their management, training and welfare. Basic principles of genetics and physiology of behavior, perception, training, learning, motivation, and stress with consideration of integrated behavioral management and animal welfare

Ag-Ed Engineering/Natural Resources 2 Major CC – S1 & S2

Required for Ag-Ed Engineering/NR majors Credit: 1.5

Prerequisite: Ag-Ed 1

The units focus on a variety of topics within Agricultural Engineering and Natural Resources. Units include: Safe Equipment Operation, Dendrology, Forest Measurements, Forest Ecology and FFA Leadership

Engineering/Natural Resources 3 CC – S1 & S2

Required for Ag-Ed Engineering/NR majors Credit: 1.5

Prerequisite: Ag-Ed Engineering/NR 2

The units focus on a variety of topics within Agricultural Engineering and Natural Resources. Units of study include Forest Equipment Operation and Safety, Equipment Service and Repair, Plumbing, Agricultural Structures and FFA leadership.

Engineering/Natural Resources 4 CC – YR

Required for Ag-Ed Engineering/NR majors Credit: 1.5

Prerequisite: Ag-Ed Engineering/NR 3

The units focus on a variety of topics within Agricultural Engineering. FFA leadership and SAE are both part of the curriculum. Units of study include tractor operations, equipment service and repair, equipment overhaul, advanced electrical and, equipment operations.

Study includes tree identification, forestry, timber harvesting, and ecology management, horticulture, equipment maintenance, plant identification, and floral design.

Ag-Ed Plant Science 2 Major CC - S1 & S2

Required for Ag-Ed Plant Sciences majors Credit: 1.5

Prerequisite: Ag-Ed 1

The units focus on a variety of topics within Plant Science. FFA leadership and SAE are both part of the curriculum. Units of study include soils, landscape design, holiday shop, greenhouse management, horticulture, equipment maintenance, plant identification, and floral design.

Plant Science 3 CC – S1 & S2

Required for Ag-Ed Plant Sciences majors Credit: 1.5

Prerequisite: Ag-Ed Plant Science 2

The units focus on a variety of topics within Plant Science. FFA leadership and SAE are both part of the curriculum. Units of study include plant identification, greenhouse management, horticulture, floral design, and holiday shop.

Plant Science 4 CC– S1

Required for Ag-Ed Plant Sciences majors Credit: 1.5

Prerequisite: Ag-Ed Plant Science 3

The units focus on a variety of topics within Turf Science. FFA leadership and SAE are both part of the curriculum. Units of study include equipment safety and operation, athletic field layout, turf element identification, equipment maintenance, landscape maintenance, and turf science.

Ag-Ed Turf Grass Management 2 Major CC – YR

Required for Ag-Ed Turf Management majors Credit: 1.5

Prerequisite: Ag-Ed 1

The units will focus on a variety of topics within Turf Management. FFA leadership and SAE are both part of the curriculum. Units of study include equipment safety and operation, athletic field layout, turf element identification, equipment maintenance, and landscape maintenance.

Turf Grass Management 3 CC – YR

Required for Ag-Ed Turf Management majors Credit: 1.5

Prerequisite: Ag-Ed Turf Grass Management 2

The units focus on a variety of topics within Turf Science. FFA leadership and SAE are both part of the curriculum. Units of study include equipment safety and operation, athletic field layout, turf element identification, equipment maintenance, landscape maintenance, and turf science.

Turfgrass Turfgrass Management 4 CC – S2

Required for Ag-Ed Turf Management majors Credit: 1.5

Prerequisite: Prerequisite: Ag-Ed Turf Grass Management 3

The units will focus on a variety of topics within Turf Science. FFA leadership and SAE are both a part of the curriculum. Units of study include equipment safety and operation, athletic field layout, turf element identification, equipment maintenance, landscape maintenance, and turf science.

CAREER AND TECHNICAL EDUCATION

Edward DePeau, Department Director | edepeau@eosmith.org I 860-487-2231 or x4430

Career and Technical Education courses offer real-life experiences, providing rigorous and engaging practice for students. Students learn skills that will help them excel and flourish in a modern global economy. Career Technical Education (CTE) makes education come alive by making real world connection for today's students. CTE offers high quality courses that teach academic and technical skills in preparation for competitive global economies. Instruction incorporates cutting edge equipment, technology and materials to support our students. Instruction is flexible, differentiated and personalized to meet diverse student learning styles, needs and interests. Creating positive classroom experiences are always at the center of everything we do. Students in our program have opportunities to earn postsecondary credit while still in high school.

~ Graduation Requirement: One credit in Career and Technical Education or Fine Arts is required.

Manufacturing for Industry CC – YR

Open to 12 Credit: 1.0

Prerequisite: None

Manufacturing for Industry is a Youth Manufacturing Pipeline Initiative program course to familiarize students with the basic mechanical and manufacturing skills and knowledge requiered for new hires as an entry level employee in a manufactuing or related field. The course will convey basic trade knowledge, workplace skills and production readiness. The Youth Manufacturing Pipeline Initiative (YMPI) is a collaboration between RHAM High School, the Eastern

Workforce Investment Board (EWIB), Three Rivers Community College (TRCC) and employers. This course is open to seniors who are interested in a career in manufacturing to provide them with skills aligned to the hiring needs of employers. The YMPI is modeled after the highly successful and nationally recognized adult Manufacturing Pipleline program. The YMPI curriculum is designed by a collaboration of industry and college affiliates. This model holds tremendous promise for high school graduates to enter a long-term career pathway. Safety glasses and closed-toes shoes ar required.

Communications CC SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: None

Students will learn about a broad range of theories and processes of communication, examining communication as a cultural practice that shapes meaning in peoples' beliefs, attitudes, values, and practices across situations. Topics include how to effectively connect with individuals in both written and oral expression. The proper use of technology and social media in today's world will also be explored.

Computer Science Concepts (MCC CSC101) S2

Open to 10, 11, 12 Credit: 0.5

Concurrent enrollment credit possible (MCC 3 credits)

Prerequisite: None

This course introduces students to a variety of computer science disciplines they can study during their post-secondary education. Topics include computer hardware, which allow a student to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Other topics include an introduction to the design and analysis of computer communication networks, protocols, database structures, how the internet is structured and accesses web content. The culminating units include an introduction to programming with python and exploring current and new technology as it relates to the field of computer science

Construction and Carpentry CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

This course is designed to create an appreciation of the skills of woodworking and to develop entry-level skills within the carpentry construction trade. Opportunities to develop skills for personal use and to make a successful transition from school to the workplace or post-secondary institutions will also be presented.

Construction and Carpentry 2 CC - SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: Construction and Carpentry

This course provides Level I apprenticeship theory and content within the trade. Practical experience will be gained within the school through hands-on labs in the carpentry workshop and through on-line resources in the computer lab. It is our goal to provide an inclusive environment for instruction and learning, encouraging each student to find joy and to develop personal strengths found in creating products and completing projects.

Introduction to Culinary CC – SX

Open to 9,10, 11, 12 Credit: 0.5

Prerequisite: None

Students will plan and prepare foods, which meet the nutritional needs of individuals in a variety of situations. Use of labor, time, and money-saving techniques are emphasized. In addition, students will develop an international foods project and an individual nutritional analysis project preparing foods of their choosing within the parameters outlined in each unit. Topics of study include safety and sanitation, measuring and equivalents, international cuisine, food deserts and world hunger issues, baking, meal planning, and current USDA nutrition guidelines. Students are required to demonstrate proficiency in all aspects of safety and sanitation during food handling activities, and must pass a rigorous safety and sanitation exam prior to food lab preparation

Culinary Arts 2 CC -SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Passes Intro to Culinary Arts

Culinary 2 is a continuation of studies within the culinary field. Students will plan and prepare foods, which meet the nutritional needs of individuals in a variety of situations. Use of labor, time, and money-saving techniques are emphasized. In addition, students will develop a themed menu project and an advanced individual nutritional analysis project preparing foods of their choosing within the parameters outlined in each unit. Topics of study include cooking methods, restaurant operations, the dining experience, brigade system, plated appetizers/salads/soups/appetizers/entrees/desserts, menu costing, meal planning, dietary restrictions and current USDA nutrition guidelines. Students are required to demonstrate proficiency in all aspects of safety and sanitation during food handling activities.

Accounting 1H (MCC ACC115) – YR

Open to 10, 11, 12 Credit: 1.0

Concurrent enrollment credit possible (MCC 3 credits)

Prerequisite: None

Accounting 1A provides a hands-on approach to understanding accounting principles as they relate to individuals and business. It enables students to practically assess and interpret everyday business decisions, as an accountant or business advisor. Topics studied include the accounting cycle, banking activities, payroll, use of technology, various types of fraud, and income taxes. Financial statements and corporate analysis will be emphasized throughout the course, from the viewpoint of a potential investor.

Personal Finance (MCC BFN 111) – SX

Open to 10, 11, 12 Credit: 0.5

Concurrent enrollment credit possible (MCC 3 credits)

Prerequisite: None

This course provides a foundational understanding for making informed personal financial decisions. Becoming financially responsible will be emphasized, focusing on money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Students will analyze their personal financial decisions, evaluate the cost and benefits of their decisions, recognize their rights and responsibilities as consumers, and apply the knowledge learned to financial situations encountered later in life. This course may also be taken online – please see the Department Head for more information.

Principles of Baking CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Principles of Baking gives students the opportunity to learn about careers in the baking industry. Units included are baking, decorating, safety and sanitation, quantity cookery, and careers. The course in especially recommended for those seeking employment in food service or a related occupation. Students will learn about the preparation and marketing of baked goods. Students prepare baked goods for the public and merchandise them to meet the needs of a specific clientele. The course competencies concentrate on production and quality control of baked goods. All students must pass a rigorous safety and sanitation exam prior to food lab preparations.

Video Production 1 CC - SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Video Productions 1 teaches students how to plan, film, and edit multiple video productions. Through the use of teamwork, creative thinking, and Adobe Premiere students will learn how to take a basic idea and create a professional, high quality video. Students will learn about the stages of production, editing techniques using professional software, copywrite and law within the film industry.

Video Production 2 CC - SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: Video Production 1

Production Graphics CC - S1

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Through the use of Adobe Photoshop, Corel Draw, and Inkscape students will learn the elements of design and the foundation of graphic to design. Students will also create their own logos, stationery, animals, websites, t-shirts, mouse pads, and other objects through the use of heat transfers and vinyl applications. Students will have the chance to work and produce products for school teams, clubs, and other groups within the E.O. Smith and local community.

Sports & Entertainment Marketing CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Students will learn how both the sports and entertainment markets develop strategies to create a successful business venture. Students will develop the skills and abilities necessary to plan, organize and implement a sports and/or entertainment event.

Introduction to Business CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Students learn about general business practices and principles. Upon completion, students will be able to identify potential career avenues in business. Topics include an overview of how businesses are organized, social responsibility, banking, finance, accounting, production, marketing, management, and legal concepts of business.

Starting Your Own Business CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Starting Your Own Business will develop student skills and abilities needed to create, operate and own a small business. Content of the course includes recognizing entrepreneurial

opportunities, determining feasibility and planning of a small business, legal issues facing entrepreneurs, developing marketing strategies, operational functions of a small business, and managing the financial aspects of a small business. Students create a detailed small business as a culminating experience.

Business Management CC - SI

Open to 10, 11, 12 Credit: 0.5

Prerequisite: None

Business management expands on knowledge and skills needed in management careers in business organizations. Areas include: the structure of business, how businesses impact the economic environment, the integral operations within a business organizing goals, implementing the activities to accomplish those goals, hiring the right people, training, providing direction, and evaluating employees.

Starting Your Own Business CC- SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Starting Your Own Business will develop student skills and abilities needed to create, operate and own a small business. Content of the course includes recognizing entrepreneurial opportunities, determining feasibility and planning of a small business, legal issues facing entrepreneurs, developing marketing strategies, operational functions of a small business, and managing the financial aspects of a small business. Students create a detailed small business as a culminating experience.

Production Graphics CC- S1

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Through the use of Adobe Photoshop, Corel Draw, and Inkscape students will learn the elements of design and the foundation of graphic to design. Students will also create their own logos, stationery, animals, websites, t-shirts, mouse pads, and other objects through the use of heat transfers and vinyl applications. Students will have the chance to work and produce products for school teams, clubs, and other groups within the E.O. Smith and local community.

Introduction to Manufacturing CC- SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Manufacture a Great Future

Explore the high demand field of manufacturing. Examine the materials, equipment, tools, methods, and processes used to create today's products. This is a hands-on course that will include the production of products using industry standard design and safety techniques. It will provide you with skills to become employed directly out of High School, to enroll in a Community College manufacturing program, or to get a Mechanical Engineering Degree at a four-year college.

Introduction to Architecture CC- SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Design and Build Your Own (model) Home

A home is usually one of the biggest and most complicated purchases you will make in your lifetime. Whether you are interested in learning more about your own future home or in designing homes/structures as your career, this is the course for you. Emphasis will be placed on designing specific projects using industry standard software programs and building scale models of your design creations. Future career opportunities include interior space designer, surveyor, town planner, structural engineer, project estimator and architectural engineer.

Broadcast Journalism- YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: None

Through hands-on experience, students learn about various aspects of broadcast journalism, including researching, writing, filming, and editing news segments. The class empowers students to develop their communication skills, critical thinking, and creativity, while also fostering an understanding of ethical reporting practices and media literacy. By producing their own news content, students gain valuable insights into the field of journalism and may even cultivate a passion for media-related careers.

ENGLISH

Dr. Kris Nystrom, Department Director | knystrom@eosmith.org | 860-487-0877 or x4490

The English curriculum provides courses to meet the graduation requirement of four years of English instruction for all students. The curriculum reflects the importance of sound language preparation to meet the demands of college and career preparation. In addition to the four required courses, students may select elective options. In all courses the curriculum stresses strong reading, writing, speaking, thinking, and study skills. The department also strives to assist students' development into informed, mature human beings who will retain a lifelong interest in language and ideas.

~ Graduation Requirement: Four English credits (English 9, 10, 11, 12) are required for graduation.

English 9CC – YR

Open to 9 Credit: 1.0

Prerequisite: None

English 9CC provides students with a solid foundation of literary and writing skills intended to prepare them for the composition and literature challenges they will meet at the sophomore level of study. This course introduces the student to major literary forms including drama, the novel, the autobiography, the short story, poetry, nonfiction, and the epic. The course will stress the development of writing skills with emphasis on expression, organization, and ideas. Classroom discussion of literary and writing topics will be an integral part of the course. Students are expected to make thoughtful contributions to class and connections to their own lives.

English 9H – YR

Open to 9 Credit: 1.0

Prerequisite: Strong performance in a grade 8 Language Arts course

English 9 H requires students to engage in extensive independent reading and research, literary analysis, class discussion, and a variety of writing tasks. Students encounter major literary forms including drama, the novel, the short story, poetry, non-fiction, and the epic. The course will stress the development of writing skills with emphasis on expression, organization, and ideas. Classroom discussion of literary and writing topics will be an integral part of the course. Students are expected to make thoughtful contributions to class and connections to their own lives.

English 10 CC – YR

Open to 10 Credit: 1.0

Prerequisite: Successful completion of English 9

English 10CC introduces students to a broad spectrum of American ideals and values derived from the study of American literature. Emphasis is on selected great works: novels, plays, poems, essays, journals, autobiography and short stories. Students have regular writing assignments, vocabulary and etymology study, oral reports, and projects related to literary and cultural studies, and grammar review. Major emphasis is on developing skills in literary analysis, questioning and critical thinking, and connecting creatively with contemporary America.

English 10H – YR

Open to 10
Credit: 1.0

Prerequisite: Successful completion of English 9H or teacher recommendation for English 9CC

English 10H is a chronological survey of American literature from the Puritans to the present. The readings will include classic and contemporary novels, short stories, poetry, drama, autobiography, and essays and non-fiction. A focus of the course is the varying visions of America expressed in its literature. Students engage in extensive reading, literary analysis, class discussion, analytical writing, independent research, and outside reading.

AP Seminar– YR

Open to 10
Credit: 1.0

Prerequisite: Successful completion of English 9H or teacher recommendation for English 9CC

The AP Seminar course is an inquiry-based class that aims to engage students in cross-curricular research and conversations to explore the complexities of academic and real-world issues. Students explore these complexities via thematic connections between multiple perspectives and lenses (e.g., cultural, social, artistic, philosophical, political, historical, environmental, economic, scientific, futuristic, ethical). They read broadly, practice essential research skills, write expansively on self-selected essay topics that interest them, and craft presentations which explore solutions to issues they care about.

AD Introduction to Asian American Studies H – YR

Open to 11
Credit: 1.0

Prerequisite: Successful completion of English 10

UConn Early College Experience Introduction to Asian American Studies an interdisciplinary history and English course that explores the rich history of Asian Americans told through primary source documents, exemplary literary texts, and various forms of cultural expression (art, film, music, digital technologies). The overarching aim of the course is to expose students to a broad notion of the Asian American experience, genealogies of power, and an academic approach to exploring the idea of "America" through diverse intellectual traditions in the humanities.

English 12CC – YR

Open to 12 Credit: 1.0

Prerequisite: Successful completion of English 11

Drama, fiction, poetry, and selected readings from a variety of cultures will be examined. Composition in a variety of forms such as personal narrative, the college application essay, description, comparison, argument and analysis will be assigned. Emphasis is on clear and effective expression of ideas, both in small and large group discussion and in writing. Students who earn a B in the course and score a B on the challenge essay will receive exemption from the Accuplacer and are eligible for enrollment in English 101: Composition at Manchester Community College.

English 12H – YR

Open to 12 Credit: 1.0

Concurrent enrollment credit possible

Prerequisite: Successful completion of English 11H or a teacher recommendation for English 11CC

English 12H will include works in translation that present perspectives that extend beyond the American/British tradition. Students can expect to read challenging primary texts and supplemental materials. The core works of drama and fiction will be supplemented by student selections. Students will write in a variety of modes including personal narrative, description, analysis, and argument.

AD English 12 (UCENGL 1007) – YR

Open to 12 Credit: 1.0

Concurrent enrollment credit possible (ECE UCONN 4 credits)

Prerequisite: Successful completion of English 11H or successful score on Challenge Essay

Seminar in Academic Writing is a two-semester course in the process of writing and in the related skills of critical reading.

Assigned essays are examined as models of skillful technique and effective development of ideas. Student papers in draft and final form receive detailed analysis by the instructor and each step in the process of composition is examined and applied. Lectures, discussion, student presentations, in-class writing, peer response, and individual conferences form the major activities of the class. The course also introduces students to the analysis of literature on the college level with attention to the genres of poetry, prose and drama. In addition, a research paper is required. Students must earn a C or better in this two-semester course of study to be eligible for UCONN college credits.

African Perspecitves in Literature -- S1 & S2

Open to 11 Credit: 0.5

Africa is one of the world's most productive and creative literary continents of the 20th and 21st centuries. This course will introduce students to the dynamic contest for identity many African nations endured as they progressed from traditional culture through colonial domination to post-colonial players on the world stage. The literature reflects these challenges in fascinating ways that often mirror our own struggle for individual identity formation.

Possible texts: The Girl with the Louding Voice, Abi Dare; The *Black Hermit* (drama), Ngugi wa Thiong'o; *Foreign Gods*, Inc., Okey Ndibe; *Half a Yellow Sun*, Chimamanda Ngozi Adichie; *Salt of the Earth* (film), Sebatiao Salgado

Caribbean and Latinx Perspectives in Literature--S1 & S2

Open to 11 Credit: 0.5

In Caribbean, Central- and South-American literature, we see patterns of discovery and conquest that echo our own North American experience in history. This course will look at how identity can be formed by time and place, how literature has the power to resist and rebel, and how literature can combat human rights issues.

Possible texts: *Miguel Street*, V.S. Naipaul; *Like Water for Chocolate*, Laura Esquivel; *Chronicle of a Death Foretold*, Gabriel Garcia Marquez; *What You Have Heard is True*, Carolyn Forche

Middle Eastern Perspectives in Literature S1 & S2

Open to 11 Credit: 0.5

As the world shrinks through social media, so does the distance between Western tradition and the Middle East. Global forces impact local culture. This course will look at how we navigate tradition and progress through the real-time examples of gender and clashes of culture. Think about the struggle for autonomy women experience in some fundamental Islamic theocracies or the consequences of long-term war and displaced populations in the Palestinian-Israeli conflict.

Possible texts: *Gilgamesh; The Prophet*, Kahlil Gibran; *Persepolis*, Marjane Satrapi; *Swallows of Kabul*, Yasmina Khadra; *Thura's Diary: My Life in Wartime Iraq*, Shakir; *Palestine*, Joe Sacco (graphic novel)

Native American Perspectives in Literature - S1 & S2

Open to 11 Credit: 0.5

The idea of Native American identity has been idealized, condemned, and erased by white settle mentality. But what is it from the eyes of the beholder? This course will explore past and present notions of Native American identity through the voices of indigenous peoples who are actively reclaiming the narrative of their own existence.

Possible texts: *The Marrow Thieves*, Cherie Dimaline; *There There*, Tommy Orange; *Firekeeper's Daughter,* Angeline Boule; *Rez Life*, David Treuer

British Perspectives in Literature - S1 & S2

Open to 11 Credit: 0.5

From the Anglo-Saxon to the present, British literature has held a significant influence on American literature and culture. Sometimes we adapt; sometimes we reject. In every case we recognize and appreciate the conceptual and literary qualities as models to more deeply understand our own linguistic and cultural heritage.

Possible texts: *Beowulf; Grende*l, John Gardner; *The Canterbury Tales*, Geoffrey Chaucer; *Macbeth,* William Shakespeare; *Frankenstein*, Mary Shelley; *The Handmaid's Tale*, Margaret Atwood

FINE ARTS - VISUAL

Dr. Kris Nystrom, Department Chair | knystrom@eosmith.org | 860-487-0877 or x4490

Fine Arts education provides our students with the means for participation in and appreciation of the arts in our society. E.O. Smith High School's music and visual art classes teach a variety of skills tailored to students with varying prior experience and ability levels. By using and exploring their creative ability, students enrich the human experiences integral to their quality of life. The courses give students opportunities to put their problem solving, creative thinking and communication/presentation skills into practice in real-life situations.

~Graduation Requirement: 1 credit in Career and Technical Education or Fine Arts is required

Art Foundations CC– SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Art Foundations explores a variety of media and techniques including: pencil, ink, acrylics, clay and linoleum block printmaking. This is an introductory art survey course with emphasis on understanding and enjoying art and art's relationship to everyday life. Students will learn of the elements and principles of design and the process of critique.

Ceramics 1 CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Ceramics 1 develops technical skills while exploring personal creativity in the medium of clay including the elements and principles of design and the process of critique. Students learn pinch, coil, slab, shaping, forming, texturing and wheel throwing skills. Students also explore glaze, oxide, and slip finishing, clay properties and the procedures of kiln firing.

Ceramics 2H or CC – SX Not offered 2022-2023

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Ceramics 1 (instructor approval for H level)

Students learn intermediate construction and altering techniques in the medium of clay, with special emphasis on wheel throwing skill development. Students combine forming techniques to make complex works, and continue to develop a finishing palette that grows to include alternative firing techniques. Historical and contemporary art information is introduced to coincide with assignments.

Drawing 1 CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Drawing 1 builds drawing skills through drawing from life, collage, and imagination. Students learn how to use line and value to create the illusion of space, form and texture. Students explore problem-solving units on still life, landscape, architecture, and abstraction. Pencil, charcoal, pastel, ink, and scratchboard will be used. Students learn of the elements and principles of design and the process of critique.

Drawing 2H or CC – SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Drawing I (instructor approval for H level)

Drawing II further develops representational drawing skills. Students learn how to use value and color to create large, developed drawings. Students create drawings from the skeleton, figures, still life, and photographs, using pencil, ink, colored pencil, crayons and, charcoal. The emphasis of this course is portrait and figure drawing.

Jewelry 1 CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Jewelry 1 develops good technical skills while exploring personal creativity in the medium of metals. Students make rings, pendants, earrings, and key chains from metal and fiber, and mixed media. Students learn about the properties of metals, and bending, hammering, soldering, and finishing techniques. Students will learn the elements and principles of design and the process of critique.

Jewelry 2 H or CC – SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Jewelry 1 (instructor approval for H level)

Students will refine soldering skills, and combine multiple techniques to make pieces with complex joints and bezel settings. Students will make soldered, beaded and mixed media pieces, and are challenged to plan and problem-solve complex constructions. Historical and contemporary art information is introduced to coincide with assignments. Weekly work time outside of class is required.

Painting 1 CC – SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Painting 1 builds representational painting skills through painting from life, collage and the imagination. Students learn how to use and mix color, and how to use shape, texture and framing to make unusual compositions. Projects include problem-solving units on drawing, color theory, still life, portraiture, landscape, and abstraction.

Painting 2H or CC – SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Require completion of corresponding level I course (instructor approval for H level)

Students refine painting skills and use oil and acrylic to make larger, self-directed works. Students design still-life and compositions, and create abstract / expressionistic paintings, mixed media works, and a large-scale oil composition. Historical and contemporary art information is introduced to coincide with each assignment.

Art Independent Study - SX

Open to 11, 12 Credit: 0.5

Prerequisite: Completion of at least one Level 2 class, and progress towards completion of Level 2s in other visual arts topics. Suggested for juniors/seniors

Independent study is open by teacher consent to students who have completed all available courses in a content area and wish to continue. This is appropriate only for students with a demonstrated history of time management, initiative and self-motivation.

AP* Art and Design – S1 & S2

Open to 11, 12 Credit: 1.0

Prerequisite: Require completion of at least one Level II class, and progress towards completion of Level II's in other visual arts topics. Suggested for juniors/seniors.

The AP Studio Art program makes it possible for highly motivated high school students to do college-level work for credit and is designed for students who are considering pursuing higher education in the visual arts. This is an extremely rigorous course requiring extensive time and commitment. Participants complete a portfolio that includes three required sections: quality, concentration and breadth.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

Sculpture CC – S1 & S2

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Sculpture students learn to transfer two dimensional idas into three dimensional form. The technicuqes of modeling, carving, construction and casting are developed. Also explored are a variety of materials which include clay, plaster, stone, wax, found materials and wood. Historical and contemporary art information is introduced to coincide with each assignment. Some homework is required.

FINE ARTS - PERFORMANCE

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~ Graduation Requirement: 1 credit in Career and Technical Education or Fine Arts is required.

Choir CC – S1 & S2

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: None

Students rehearse and perform a variety of musical literature composed by past and contemporary writers. Rehearsals are tailored to give members increased vocal ability, with group performances the ultimate outcome. Opportunity for individual performance, in concert, is always present. Performances include both in school and out-of-school appearances. Participants are required to perform in all chorus appearances and attend an individual or group lesson each week.

Chamber Singers H – S1 & S2

Open to 10, 11, 12 Credit: 1.0

Prerequisite: One year of Choir and instructor approval

Chamber Singers is an intensive study of choral literature and vocal technique and all students will receive H-Level credit. Students are expected to have adequate reading and technical skills that they can learn notes and rhythms on their own. Rehearsal will focus on style and ensemble skills. Performances in school and out-of-school are an integral part of the program and participants are required to take part in all performances.

String Orchestra H or CC – S1 & S2

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Instructor approval

Orchestra members are provided with technical instruction on instruments, rehearse, and perform works of the masters. Performances in school and out-of-school are an integral part of the program and participants are required to take part in all performances. Sectionals or individual lessons will be scheduled at the student's convenience.

Chamber Orchestra H – S1 & S2

Open to 10, 11, 12 Credit: 1.0

Prerequisite: One year of String Orchestra and instructor approval

Chamber Orchestra is an intensive study of orchestral literature and string instrument technique and all students will receive H-Level credit. Students are expected to have adequate reading and technical skills that they can learn notes and rhythms on their own. Rehearsal will focus on style and ensemble skills. Performances in school and out-of-school are an integral part of the program and participants are required to take part in all performance.

Symphonic Band CC – S1 & S2

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Instructor approval

Band is a comprehensive study, through rehearsal and performance of music literature, including contemporary and traditional styles. Form, texture and other musical devices are included as part of the learning experience. Participants in band are introduced to music of composers from the past and the present. Students study a variety of material to improve individual technique. Performances in school and out-of-school are an integral part of the band program. Participants are required to take part in all band performances.

Wind Ensemble H – S1 & S2

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Instructor approval

Wind Ensemble is an intensive study of band literature and woodwind, brass, and percussion technique. All students will receive H-Level credit. Students are expected to have adequate reading and technical skills, allowing them to learn notes and rhythms on their own. Rehearsal will focus on style and ensemble skills. Performances in school and out-of-school are an integral part of the program and participants are required to take part in all performances.

Advanced Music Fundamentals/Ear Training (UCMUSI 1011) — S1

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Completion of 1+ years of EOS music courses

This is a UConn ECE course covering basic skills in note reading, rhythm, meter, pitch symbols, scales, key-signatures, intervals, triads, sight-singing, and dictation.

Advanced Music Fundamentals/Ear Training II (UCMUSI 1012) — S2

Open to 10, 11, 12 Credit: 0.5

Prerequisite: C or better in Advanced Music Fundamentals/Ear Training I

This is the 2nd course of fundamental ear training. Students will further develop skills in music reading, sight-singing, and dictation.

Music Technology Workshop CC – S2

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Intro to Music Technology will focus on the study of music fundamentals and compositions using technology. Students will learn to work with standard looping, digital audio, and composition software. This course is designed for students with a variety of

musical backgrounds and will provide opportunities for expression through current technological trends in audio production

Popular Music Performance and Production H - S2

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: Popular Music Techniques

Popular Music Performance & Production is a workshop course that provides space for students to develop as musicians in popular genres. This student-centered course will allows students to develop their instrumental and/or vocal technique to perform solo or in a band context and record and produce their own music. Students should have an understanding of chords, chord progressions, basic improvisation techniques and be proficient on at least one instrument. This is a great opportunity to write and perform your own music and to stretch your musicianship trying new styles and techniques.

Popular Music Techniques CC - SX

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Popular Music Techniques teaches student to perform the music they know and love. Styles studied include rock, pop, reggae, hi-hop, rhythm & blues, electronic dance musics and other contemporary styles. The class focuses on musical instruments that are common to these genres: guitar, bass & keyboard. Topics include instrumental technique, popular music styles, chords & chord progressions, song structure, improvisation and cmposition.

Acting 1 CC – S1 or S2

Open to 9,10, 11, 12 Credit: 0.5

Prerequisite: Instructor approval

Open to 9,10,11,12 Credit: 0.5

Acting 1 is a foundational dramatic arts course involving intensive work in voice and diction, relaxation, concentration, movement, pantomime, improvisation, and ensemble building. May be taken for A-level credit with permission of instructor. Acting technique will be honed through a range of theater and improvisation games as well as group and individual performances. The course will culminate in a showcase of pantomimes to music, commedia sketches, and performances from a range of poetry, monologues, scenes, and classical and contemporary literature.

Acting II H Social Justice Theatre – S2

Open to 9,10,11,12 Credit: 0.5

Prerequisite: Acting I or instructor approval

Acting II is an intensive dramatic arts course involving in-depth study of acting technique, including advanced work in voice and diction, relaxation, concentration, movement, commedia dell'arte, improvisation, character analysis, and monologue and scene study. Students will engage in ensemble building and learn audition strategies. Students will grow and test their range tackling inportant student social emotional concerns inspired by the Wellness Guide and the Cultural Awareness Brigade. The course culminates in a showcase of contemporary and classical monologues, scenes, and one act performances.

Creative Writing & Performance Workshop H – S1

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: None

Creative Writing & Performance Workshop is an intensive study of writing and performance craft. All students will receive A-level credit. Students are expected to keep a writer's notebook and to experiment with a range of forms, including songs, poems, monologues, scenes, sketches, comedy and stories. Public reading and performance techniques are integral to the workshop process. The course involves building a substantial portfolio of original, polished writing, and culminates in a showcase of original works.

Creative Writing & Performance Workshop 2H – S2

Open to 9,10, 11, 12 Credit: 0.5

Prerequisite: Creative Writing & Performance Workshop or Instructor Approval

Advanced Creative Writing & Performance Workshop is an in-depth study of writing and performance craft. All students will receive A-level credit. Students build a substantial body of work in their chosen form, and self-publish chapbooks, broadsides, and other written products. Students continue to engage in experimentation with a range of forms, including multi-genre writing and cabaret. The course involves building a substantial, publishable collection of original, polished writing, and culminates in a showcase of original works. Students will also prepare for publication and performance competitions.

Introduction to Film

Open to 9,10, 11, 12 Credit: 0.5

Introduction to Film explores classic and contemporary world films that appeal to the modern viewer. Film clips, shorts, and full-length films will be shared and studied for craft, entertainment, and educational value as well as considered for their cultural and historical importance. Students will learn to appreciate and to analyze a wide array of films that surprise and demand thoughtful consideration and discussion. We'll explore film terminology, narrative structures, universal story elements, composition, editing, special effects, technical use of stop animation, camera angles, the impact of music on the viewer, director's signature style, and much more! Students will participate actively in class discussion, produce several creative and constructive responses to films viewed in and outside of class, and share an original project/presentation inspired by films/styles/genres/directors of interest.

Technical Theater: Stagecraft Workshop

Open to 9,10, 11, 12 Credit: 0.5

Technical Theater: Stagecraft Workshop is a hands-on class that develops transfer skills to a range of careers in the performing arts. After a general overview of the areas of technical theater (lighting, sound, properties, costuming, makeup, and set design) students choose a focal area and explore theater projects of their choice that may or may not be related to after school Drama Club productions. Students will learn how all of these technical areas work together to establish the place, time period, and mood of a

production. Those students interested in stage management, advanced acting, or directing, are also encouraged to join the class to pursue their own independent dramatic projects in collaboration with technical theater practitioners.

Beginning Orchestra H or CC -- S1 & S2

Open to 10, 11, 12 Credit: 1.0

Prerequisite: None

Beginning Orchestra is ideal for those with no instrumental experience, or who were unable or only partially able to participate in an instrumental ensemble class during previous school experiences. This course offers instruction on violin, viola, cello, and string bass instruments with a focus on the skills necessary for long-term success. Fundamentals stressed include proper posture and playing position, development of characteristic tone quality, training in music literacy, and skills needed for performing with an ensemble. The school will provide instruments for students to use in this ensemble course. This group will perform in the fall and spring orchestra concerts.

Percussion Ensembel/Symphonic Band H or CC --S1 & S2

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Instructor approval

Percussion Ensemble is a course that serves as the percussion section of the Symphonic Band and meets concurrently. It is designed to provide percussion students with a comprehensive musical education, focusing on the study of percussion instruments and their performance within a group setting. This course is suitable for percussionists with experience in playing percussion and covers a variety of musical styles including classical, jazz, rock, and world music.

The curriculum will encompass practical aspects of percussion performance, including rhythm studies, ensemble techniques, and the development of musical interpretation and expression. Through regular rehearsals and performance opportunities, students will have the chance to apply their skills and collaborate with their peers.

In addition to developing technical proficiency, this course aims to cultivate a deeper understanding of percussion ensemble performance, including ensemble dynamics, communication, and teamwork. By the end of the course, students will have a solid foundation in percussion ensemble performance and the confidence to perform in a variety of musical settings.

This course will be offered in conjunction with Symphonic Band.

MATHEMATICS

Edward DePeau, Department Director | edepeau@eosmith@eosmith.org | 860-487-2231 or x4430

The mission of the Mathematics Department is to provide a quality education for all students. Students will develop mathematical knowledge, skills, and the confidence to read, write, discuss, and apply mathematics to analyze information, model and solve problems, make predictions, verify results, and communicate conclusions. The Mathematics Department understands that our students are multifaceted and approach the study of mathematics from a broad spectrum of attitudes, backgrounds, experience and needs. We believe that a sound mathematics curriculum will enable every student to apply critical thinking skills in solving problems of everyday life, compete in the high-performance workplace, develop connections among topics both within mathematics and between disciplines, and acquire an appreciation for the beauty and intrinsic order of mathematics. Note: All math courses, except AP Statistics, Intro to Computer Science and AP Computer Science have a required summer packet to complete.

~ Graduation Requirement: Four credits or successful completion of AD Calculus (1131Q and 1132Q) with a C or better.

Algebra 1CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Recommendation of Eighth Grade Math Teacher and Math Placement Test Score

Algebra 1CC is the introductory course in the College Preparatory sequence of mathematics courses. The Common Core High School Standards for Mathematical Content topics that are taught in this course are the real number system, quantities, algebraic expressions, seeing structure in expressions, arithmetic with polynomial and rational expressions, creating, reasoning with and solving equations, solving and graphing inequalities, interpreting and building functions, linear functions, systems of linear equations and inequalities, exponents and exponential functions, polynomials, factoring, quadratic equations and functions, and data analysis. Students will apply this knowledge when solving real world applications on topics such as landscaping, carpentry, finance, physics, and engineering.

Algebra 1H – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Recommendation of Eighth Grade Math Teacher and Math Placement Test Score

Algebra 1 H is the first course in the A level sequence of Algebra 1H, Geometry H, Algebra 2H, and Pre-Calculus H. The Common Core High School Standards for Mathematical Content topics that are taught in this course are: the study of real number properties, working with and writing algebraic expressions, working with and solving equations and inequalities, absolute value equations and inequalities, linear functions, systems of equations and inequalities, quadratic functions, exponents, and exponential functions, polynomials, factoring, probability, and radical expressions. Real-life applications involving business, carpentry, medicine, physics, and engineering motivate algebraic ideas and provide the settings for practice of algebraic skills.

Algebra 2CC – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Geometry CC

Algebra 2CC is the third course in the College Preparatory sequence of mathematics courses and is designed to integrate geometry and algebra. The course is rich in problem solving and applications that apply algebraic ideas to real world situations, such as archeology, fundraising, college admissions, Olympic scoring, radiology, and business. The Common Core High School Standards for Mathematical Content topics that are taught in this course include functions, absolute value functions, inequalities, formulas, linear equations, graphs, systems of equations, linear programming, matrices, quadratic functions, factoring, complex numbers, polynomial functions. radical functions, rational exponents, exponential functions, logarithmic functions, and SAT preparation.

Algebra 2H – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: 10th and 11th graders-Geometry H; 9th graders-Recommendation of 8th grade Math Teacher and Algebra 2 H Placement Test Score

Algebra 2H examines the concept of function and each new topic fits into the framework of a particular class of functions. The Common Core High School Standards for Mathematical Content topics that are taught in this course include solving linear equations and inequalities, positive, negative, and zero exponents, function notation, linear functions, solving linear systems, matrices, factoring and graphing polynomial functions, rational functions, synthetic division, complex fractions, radical expressions and functions, quadratic functions, discriminants, imaginary numbers, composition of functions, inverses of functions, and exponential and logarithmic functions. Problem solving, mathematical modeling, and SAT preparation are emphasized.

Geometry CC – YR

Open to 10, 11 Credit: 1.0

Prerequisite: Algebra 1CC

The Common Core High School Standards for Mathematical Content topics that are taught in this course are the tools of Geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, circles, and probability. Real-life situations are used to motivate geometric ideas and provide the settings for practice of geometric and algebraic skills. Topics covered include patterns, inductive, deductive reasoning, points, lines, planes, angles, polygons, transformations,

symmetry, tessellations, proofs, circles, perimeter, area, volume, polyhedrons, congruence, similarity, geometric probability, and trigonometry. Application problems on topics such as architecture, surveying, and astronomy are also integrated.

Geometry H – YR

Open to 9, 10 Credit: 1.0

Prerequisite: 10th graders- Algebra 1 H; 9th graders-Recommendation of 8th grade Math Teacher and Geometry Placement Test Score

Geometry H examines geometric topics in depth and is designed for accelerated math students. The course emphasizes Euclidean, coordinate, and solid geometry. The concepts of formal proof and logical argument are discussed in detail, with a focus on deductive and indirect reasoning. The Common Core High School Standards for Mathematical Content topics that are covered in this course are: parallelism, triangles, congruence, proportionality, similarity, right triangles, trigonometric ratios, circles, polygons, perimeter, area, and volume. Students will be expected to write, examine, and evaluate proofs.

AP Pre-Calculus – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Algebra 2H

AP Pre-Calculus is designed to prepare students for the Advanced Placement Pre-Calculus Exam and for the UCONN ECE Calculus 1 & 2 sequence. This course is for students who intend to pursue college studies in mathematics and sciences. The course topics include the nature of graphs, modeling real-world phenomena, trigonometric functions and graphs, trigonometric inverses, identities and equations, vector and parametric equations, polar coordinates and complex numbers, conics, exponential and logarithmic functions, sequences, series, induction, and iteration. Topics in the fields of meteorology, manufacturing, architecture, business, music, agriculture, science, interior design, medicine, and forestry are included in the course. Students will utilize technology, including a graphing calculator, throughout the course.

Pre-Calculus H – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Algebra 2H

Pre-Calculus H is for students who may wish to pursue college studies in mathematics, engineering, and the sciences or build a solid mathematical foundation for college math. The topics covered are the nature of graphs, polynomial and rational functions, piecewise functions, trigonometric functions, and graphs, trigonometric inverses, identities, and equations, vector and parametric equations, polar coordinates and complex numbers, conics, and exponential and logarithmic functions. Problems involving meteorology, manufacturing, architecture, business, music, agriculture, science, interior design, medicine, forestry, baseball, sculpting, acoustics, amusement parks, aviation, landscaping and cryptography are covered.

AD Calculus 1 (ECSU MAT 243) – YR

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECSU 4 credits)

Prerequisite: Pre-Calculus

Calculus provides students with the necessary background in calculus to enable them to pursue college studies in the sciences, engineering, and mathematics. It is an introduction to differential calculus of functions of one variable. Topics covered are limits, rates of change, derivatives of algebraic and trigonometric functions, curve sketching, anti-derivatives, and definite integrals. The course includes a weekly laboratory period. Extra topics and outside projects will be assigned at the instructor's discretion. The course is equivalent to the ECSU course MAT243. In addition to class assignments, students must work independently in order to pass the Advanced Placement Calculus examination, level AB.

AD Calculus 1 & 2 (UCMATH 1131QC-1132QC) – YR

Open to 9, 10, 11, 12 Credit: 1.25

Concurrent enrollment credit possible (ECE UCONN 8 credits)

Prerequisite: Advanced Pre-Calculus

Advanced Calculus provides students with the necessary background in calculus to pursue college studies in the sciences, engineering & mathematics. Topics covered are limits, rates of change, derivatives of algebraic and trigonometric functions, curve sketching, definite integral, transcendental functions, formal integration, and infinite series. Students will make sense of problems, persevere to solve them, reason abstractly and quantitatively, construct viable arguments, analyze the reasoning of others, model with mathematics, use appropriate tools strategically, look for and make use of structure, and look for and express regularity in repeated reasoning. The course includes a weekly laboratory period. The course is equivalent to the UCONN course MATH 1131QC and UCONN course MATH 1132QC.

AD Discrete Math (UCMATH 1030Q) – S2

Open to 10, 11, 12 Credit: 0.5

Concurrent enrollment credit possible (ECE UCONN 3 credits)

Prerequisite:Algebra 2, not open for college credit to students who have received UCONN Calculus credit

The Discrete Mathematics course focuses on solving real-world problems. Discrete Mathematics is an integral part of the mathematics used in the fields of biology, economics, psychology, sociology, education, political science, business, and engineering. Course topics include the development of an "ideal" voting system, the apportionment and study of the House of Representatives, an in-depth look at the mathematics of money (CDs, IRAs, bonds, student loans, car loans, mortgages, stock market, mutual funds), probability, and an examination of Eulerian paths and the running of an efficient network.

This course is designed to provide students frequent and varied opportunities to integrate and master the Standards of Mathematical Practice. Students will make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, and look for and express regularity in repeated reasoning.

AD/AP* Statistics (UCSTAT 1100Q) – YR

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE UCONN 4 credits)

Prerequisite: Algebra 2H or Trigonometry & Discrete CC & AD Discrete Math

The AP Statistics course is intended to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. AP Statistics is a course for students who want to continue to develop their quantitative skills and who want to expand their mathematical knowledge. Content guidelines adhere to recommendations made by the College Board. In addition to class assignments, students must work independently in order to pass the Advanced Placement Statistics examination.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

Statistics CC – YR

Open to 11, 12 Credit: 1.0

Prerequisite: Algebra 2H, Algebra 2CC

The Statistics CC course is designed to demonstrate the fundamental nature of mathematics and its applications in modern life through a study of concepts from statistics. Course topics include sampling design, design of surveys, random sampling, experimental design, elementary probability and simulation, graphing, data analysis, written discussion of numerical analysis, and the critical examination of numbers and data. These topics are applied to real-world situations such as clinical trials, educational research, behavioral and social sciences, the government census, and income inequality. Use of the computer and of the statistics features of the graphing calculator shows students the power and simplicity of statistical software for data analysis.

AD Multivariable Calculus (UCMATH 2110Q) — S1

Open to 10, 11, 12 Credit: 0.625

Prerequisite: AD Calculus 1 & 2 (C or better)

Multivariable Calculus must be taken the fall semester following completion of Advanced Calculus 1 & 2. This course is offered at the college level. Topics covered are Transcendental functions, formal integration, polar coordinates, infinite sequences and series, vector algebra and geometry, with applications to the physical sciences and engineering. Students will make sense of problems, persevere to solve them, reason abstractly and quantitatively, construct viable arguments, analyze the reasoning of others, model with mathematics, use appropriate tools strategically, look for and make use of structure, and look for and express regularity in repeated reasoning. The course includes a weekly laboratory period. The course is equivalent to the UCONN course MATH 2110Q.

Consumer Math CC — S1

Open to 12 Credit: 0.5

This is not an NCAA approved class

Prerequisite: Algebra 2

Consumer Math uses and extends the ideas learned in Algebra 2 in order to help students manage their finances independently. Students are encouraged to use calculators and computers as tools for learning and doing mathematics through consumer and business themes. Topics covered include an in-depth look at the mathematics of daily living – discretionary expenses, preparing a budget, employment basics, independent living (including home ownership, mortgages, renting, insurance), and automobile ownership (including car loans, leases, and insurance).

course MATH 2110Q.

Saving and Investing CC — S2

Open to 12 Credit: 0.5

This is not an NCAA approved class

May be taken with or without Consumer Math

Prerequisite: Algebra 2

Saving and Investing uses and extends the ideas learned in Algebra 2 in order to help students manage their finances independently. The course encourages active involvement by constructing and applying mathematical ideas through business and consumer themes. Students are encouraged to use calculators and computers as tools for learning and doing mathematics. Topics covered include an in-depth look at the mathematics of money – Banking services (savings, checking, CDs IRAs), consumer credit (student loans, credit cards), income taxes, and the stock market (mutual funds, stocks, and bonds).

Statistical Studies and Data Analysis CC — S1

Open to 11, 12 Credit: 0.5

Prerequisite: Algebra 2

The Statistical Studies and Data Analysis course is designed to demonstrate the fundamental nature of mathematics and its applications in modern life through a study of concepts from statistics. Course topics include sampling design, design of surveys, random sampling, experimental design, survey ethics, graphing (including box plots, scatter plots and linear regression), and data analysis including misleading graphs. These topics are applied to real-world situations such as clinical trials, educational research, behavioral and social sciences, the government census, and income inequality. Use of the computer and of the statistics features of the graphing calculator shows students the power and simplicity of statistical software for data analysis. aving and Investing uses and extends the ideas learned in Algebra 2 in order to help students manage their finances independently. The course encourages active involvement by constructing and applying mathematical ideas through business and consumer themes. Students are encouraged to use calculators and computers as tools for learning and doing mathematics.

Probability and Confidence Statistics CC — S2

Open to 11, 12 Credit: 0.5

Prerequisite: Algebra 2H, Algebra 2CC (not open for credit to students who have passed Pre-Calculus H or Advanced Pre-Calculus)

The Probability and Confidence Statistics course is designed to introduce students to probability and statistics concepts that are foundational for college level statistics. Course topics include elementary probability and simulation, the normal distribution, confidence intervals and hypothesis tests (including proportions, means, chi-squared). These topics are applied to real-world situations such as clinical trials, educational research, behavioral and social sciences, the government census, and income inequality. Use of the computer and of the statistics features of the graphing calculator shows students the power and simplicity of statistical software for data analysis.

Trigonometry CC — S1

Open to 10,11, 12 Credit: 0.5

Prerequisite: Algebra 2

Trigonometry is a subject that is rich in applications and problem solving. The major topics covered are trigonometric functions and their graphs, right triangle trigonometry, inverse trigonometric functions, radian measurement, trigonometric identities, solving trigonometric equations, Law of Sines, Law of Cosines, and the general triangle area formula. Trigonometry incorporates a variety of real-life applications that motivate trigonometric ideas and provide the settings for the practice of trigonometric skills. Students will actively integrate trigonometry into the fields of civil engineering, aviation, aeronautics, landscaping, surveying, astronomy, geography, physics, meteorology, oceanography, harmonics, classical mythology, and film.

This course is designed to provide students frequent and varied opportunities to integrate and master the Standards of Mathematical Practice. Students will make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, and look for and express regularity in repeated reasoning.

Manufacturing Math CC — YR

Open to 11, 12 Credit: 1.0

This is not an NCAA approved class

Prerequisite: Geometry, concurrent enrollment in Manufacturing Pipeline

Manufacturing Math is a study of arithmetic and trigonometric operations applied to manufacturing circumstances. Topics include the circle, regular and irregular polygons, the right triangle and oblique triangles, the application of angular arithmetic including angle decimal conversion, the Pythagorean Theorem, Sin, Cos, and Tan functions, and the laws of cines and cosines. Instruction will integrate tools of the trade including micrometers, calipers, rulers, protractors, calculators and computers. Collaboration is emphasized as a valuable part of a manufacturing environment.

Introduction to Computer Science H — S1 or S2

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: Algebra 1H or consent of Instructor and Math Department Director

Computer Science is an elective semester course that teaches the foundations of computer science and basic programming using Python. Topics may include Karel in Python, basic Python and console interaction, conditionals, looping, functions, strings, and data structures.

AP Computer Science – YR Not Offered 2023-2024

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Completion of Algebra 1 and Introduction to Computer Science H

The Advanced Placement Computer Science course is intended to serve both as an introductory course for computer science majors and as a course for students who will major in other disciplines that require significant involvement with technology. A large part of the course is centered on the development of computer programs or parts of programs that correctly solve a given problem. This course emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition, an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are covered. As this is an Advanced Placement course, content guidelines adhere to recommendations made by the College Board. In class assignments, students must work independently in order to pass the Advanced Placement Computer Science examination.

Mathematics of Business CC -- S1

Open to 11, 12 Credit: 0.5

This is not an NCAA approved class

May be taken with or without Case Studies of Business Finance

Prerequisite: Algebra 1

The Mathematics of Business allows students to explore the financial components of running a business. Topics include record keeping (income/expenses, balance sheets, profit/loss, revenue, margins), loans and credit (amortization, interest, future value, payment plans), pricing and asset valuation (how to price goods and services, cost, depreciation), marketing (gathering and interpreting data) and time management (hiring, employee benefits, salary structures). Computer-based spreadsheet programs such as Excel will be used extensively. This course is designed to focus on applying math through real world models in order to connect learning with day-to-day experiences.

Case Studies in Business Finance CC — S2

Open to 11,12 Credit: 0.5

This is not an NCAA approved class

May be taken with or without Consumer Math

Prerequisite: Algebra 1

Case Studies in Business Finance is designed to explore the role of mathematics present in the daily operations and finances of different types of businesses. Students will use math to make decisions around sustainable practices that benefit the business in agricultural settings, gig-based businesses, artisanal retail, and service industry professions. This course is designed to focus on applying math through real world models in order to connect learning with day-to-day experiences.

PHYSICAL EDUCATION & HEALTH

Earl Henrichon, Department Chair | ehenrichon@eosmith.org | 860-487-0877 x4560

The Physical Education and Health department is committed to providing students with the opportunity to explore everything about exercise and fitness and experience the benefits of physical movement. E.O. Smith's PE and Health program provides a wide range of activities to meet the demands of a changing world and complement students' interests. As our society becomes more stressed and anxius, it is critical for students to learn hot to exercise and utilize outdoor activity to improve overall health, happiness and productivity. The program helps students find ways to unwind and find a lifetime pathway of exercise.

~ Graduation Requirement: 1.0 credit in PE and 1.0 credit in health.

Physical Education 9 CC – S1 & S2

Open to 9 Credit: 0.50

Prerequisite: None

Students participate in a number of different Physical Education activities, as well as health topics. This will prepare students with the necessary backgrounds to be successful in future PE Selectives as well as the Health and Wellness class.

Health 9 CC – SX

Open to 9 Credit: 0.50

Health 9 provides many opportunities for students to develop and maintain a healthy lifestyle, and learn important decision-making skills. This course will introduce the concept of health and wellness, providing students with opportunities to examine different facets associated with their health. The goal is to empower students to develop essential health related skills for contributing to a lifelong health and and a balanced life. Students will engage in small group discussions using ienhancing communication skills around current health issues. All 9th-grade students must pass the course before moving on to Health and Wellness, which is required for juniors and seniors.

Health & Wellness~ CC – SX

Open to 11, 12 Credit:0.50

Prerequisite: 9th grade Health and PE

Thist course is required of all juniors/seniors to fulfill the 1 credit requirement for the state of CT. Students must complete the Health 9 course prior to taking this class. The class is an extension of the Health 9 class and focuses on and examining latest trends in wellness. From stress management and technology to sleep and overall wellbeing, we will explore personal and public health issues, discuss health related attitudes and beliefs, and students will assess their individual health behaviors. Students work collaboratively in small groups to produce projects relevant to their interests and will discuss their findings with the group.

Adventure PE CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

This course consists of challenging, yet fun, activities in which team building and communication skills are enhanced for future endeavors. Low and High Ropes courses present endless opportunities for self-discovery and team growth.

Principles of Unified PE CC -- SX

Open to 10, 11, 12 Credit: .25

Prerequisite: 9th grade Health and PE

This course is aligned with our unified PE class that runs twice a week. Students help create health and physical education lessons for unified classes.

Sports Performance PE CC – SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will learn the practice of core lifts, drills, and fundamentals to prepare the mind and body for participation in high school athletics and beyond. Students will develop their own workout plans to reach their personal goals.

Self Defense PE CC – SX

Open to 10, 11, 12 Credit: 0.25

Students will learn the basics of self defense/kickboxing in a controlled setting.

Team Sports PE CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will participate in a variety of team sports in a competitive setting. Students will develop skills, knowledge, and an understanding of expectations to participate in each sport.

Ultimate Games/Racquet PE CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will learn the skills and strategy of Ultimate Frisbee as well as sports such as tennis, badminton, Pickle and

Eclipse Ball.

Unified PE CC – SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will gain an appreciation and understanding of each other's abilities in a physically active setting. Participation in Unified PE will promote class participation, team building, tolerance of diversity, and sportsmanship.

Yoga Fitness PE CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

In this class students will work on both body and mind by strengthening and stretching with a variety of low impact yoga and Pilates exercises. Students will end each class with a mindful exercise.

Outdoor Pursuits CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will walk/hike and snowshoe whether permistting. This class is for students who enjoy the fresh air and feel of the outdoors

Lifetime Activites PE CC -- SX

Open to 10, 11, 12 Credit: 0.25

Prerequisite: 9th grade Health and PE

Students will be able to choose from many different lifetime and backyard games. Ping Pong, Kan Jam, Spike Ball, Cornhole, Hiking, Ladderball and other lifetime activities will all be available.

SCIENCE

Diane Hannon, Department Director | dhannon@eosmith.org | 860-487-2230 or x4400

The Science department is committed to offering challenging and relevant programs and providing high quality experiences for students with different interests, needs and abilities. The program also provides students with a practical knowledge of how things work, the environmental complexities of the world around them, and the way the biological world, including their own body, functions.

Every day we are surrounded by technology and the products of science; the smartphone is a product of modern engineering. Trees create food and the oxygen we breathe from sunlight. Many of our country's most complicated and urgent public policy debates are centered on questions of science: embryonic stem cell research, climate change, space exploration and reproductive technology to name a few. Therefore, it is imperative that we equip our students with sufficient scientific skills to enable them to develop informed opinions. E.O. Smith's Science program teaches our students how to think, learn, solve problems, and make informed decisions with the knowledge in biology, chemistry, and physics that will enable them to succeed in college.

~ Graduation Requirement: 3 credits (Biology, one physical science and one other science credit).

Integrated Physical Science – YR

Open to 9 Credit: 1.0

Prerequisite:None

This course is designed to introduce students to the fundamentals of physics, chemistry and earth science. It also serves to support students' learning of modern biology. Students will learn through class discussions, research of literature and laboratory experimentation, demonstrations and data analysis. Students are expected to search out, describe, explain and predict natural phenomena associated the basic physical processes.

Biology H – YR

Open to 9, 10 Credit: 1.25

Prerequisite: None

Biology is a lab-based course focused on four main topics: cells, genetics, evolution and ecology. Other topics may be added to meet the needs of each class. Students are expected to participate in laboratory experiences, including inquiry-based group activities, and to prepare lab reports. A major paper or research project may also be required.

Biology CC – YR

Open to 10 Credit: 1.25

Prerequisite: None

Biology CC is a lab-based course that centers on four topics: cells, genetics, evolution and ecology. A strong emphasis is placed on learning and applying the scientific method. Students are expected to participate in laboratory experiences, including inquiry-based group activities. Students will be responsible for writing lab reports based on their lab experiences. A major research paper or research project may also be required.

Astronomy CC – S1 & S2

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Algebra 1H or 1CC

Astronomy covers topics such as the creation of the universe (Big Bang theory), star types, life cycle of a star, solar system and planetary formation, earth's interactions with the Sun, earth's moon, comets, meteors, and stellar constellations. Also included will be a study of the technology used to collect data involved in astronomy and how the limitations of the technology have affected our understanding of the universe both in the past and today. Hands-on activities, individual/group projects, class participation, tests and quizzes will all be incorporated together to determine the grade for the course along with a personal journal of astronomical observations. Field experiences may include visits to a planetarium, an observatory, and/or local star viewing experiences.

AD Biology (UCBIOL 1107) - S1

Open to 10, 11, 12 Credit: 0.75

Concurrent enrollment credit possible (ECE-UConn 4 credits)

Prerequisite: Chemistry A or B or consent of department head

The coursework and laboratory experience are comparable to the UCONN Biology 1107 curriculum. This course can be taken separately as a one-semester course or along with to Advanced Biology Semester 2. The course content covers cell biology, biochemistry and the anatomy and physiology of animals. Students electing to take this course will be required to participate in the dissection of animals. This course may partially fulfill the one-year biology requirement for graduation.

AD Biology (UCBIOL 1108) - S2

Open to 10, 11, 12 Credit: 0.75

Concurrent enrollment credit possible (ECE-UConn 4 credits)

Prerequisite: Chemistry A or B or consent of department head

The coursework and laboratory experience are comparable to the Biology 1108 curriculum. It can be taken separately as a one-semester course or in conjunction with Advanced Biology Semester 1. The course content covers ecology, genetics, evolutionary biology and plant science. This course may partially fulfill the one-year biology requirement for graduation

AD Human Biology (ECSU Bio202/203) - YR

Open to 10, 11, 12 Credit: 1.25

Concurrent enrollment credit possible (ECSU 4 credits)

Prerequisite: None

An introduction to basic concepts related to the structure and function of molecules, cells, tissues, and organ-systems of the human body. The application of the scientific method to the

study of human and animal models in health and disease will also be discussed.

AD Biotechnology (UCSPSS 3230) – YR No offered for 23-24

Open to 10, 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: Successful completion of a Biology course

Scientific, legal, and ethical aspects of Biotechnology application in agriculture, health medicine, forensics, and the environment. Designed for students with diverse departmental affiliations. Students must complete this course with a C or better to earn UCONN credit.

Chemistry CC – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: Algebra 1H or 1CC

Chemistry CC is a full-year lab science elective. This course is recommended for the sophomore or junior year, as part of a three-year lab science experience. Students are expected to understand the basic physical science concepts taught in Introduction to Physical Science. This course will emphasize conceptual understanding, problem solving, critical thinking, and applications of chemistry concepts to society. Students are expected to apply basic algebra in this course.

Chemistry H – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: Algebra 1H or 1CC; Intro to Physical Science

Chemistry H emphasizing conceptual understanding through problem solving, critical thinking, and representation of concepts by mathematical reasoning. This course is recommended for upperclassmen who are interested in an in-depth understanding of chemistry and its relationships to physics and biology. The course begins with concepts covered in Integrated Physical Science A. The course requires students to prepare formal lab reports, participate in group inquiry projects and may require an independent research report or project.

AD Chemistry (UC1127Q) – S1 Not Offered 2022-2023

Open to 10, 11, 12 Credit: 0.75

Prerequisite: Completion of Algebra 2H, Completion of Chemistry H or consent of department head.

AD Chemistry is a college level chemistry. This course is structured to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Properties of some of the more familiar elements and their compounds. Quantitative measurements illustrating the laws of chemical combination in the first semester lab.

AD Chemistry (UC1128Q) – S2

Open to 10, 11, 12 Credit: 0.75

Prerequisite: Completion of AD Chemistry 1127Q

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and qualitative reactions of the common cations and anions in the second semester lab.

Environmental Science CC - S1 or S2

Open to 10, 11, 12 Credit: 0.5

Prerequisite: None

Environmental Science CC is an inquiry-based course that introduces the student to the relationships between living organisms and the chemical/physical world. The focus is to develop a basic understanding of how the biosphere functions. Students will actively participate in a variety of hands-on activities, discussions of current events and fieldwork. The issues of society, technology, ethics and economics will be explored.

AD Environmental Science (UCNRE 1000) – YR

Open to 10, 11, 12 Credit: 1.0

Concurrent enrollment credit possible

(ECE-UCONN 3 credits)

Prerequisite: Successful completion of a Biology course

An introduction to basic concepts and areas of environmental concern and how these problems can be effectively addressed. Topics include human population; ecological principles, conservation of biological resources, biodiversity, croplands, rangelands, forestlands, solid and water conservation, pollution and water management, and wildlife and fisheries conservation.

Human Anatomy & Physiology CC – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: None

The course content includes levels of organization, cell structure and metabolism, histology, and the anatomy and physiology of all of the systems within the human body. The units are explored from the perspective of those entering the professions in allied health.

Human Anatomy & Physiology H – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: Biology and Chemistry

This course in human biology meets the standards for MCC Bio 112. The course content includes levels of organization, cell structure and metabolism, histology, and the anatomy and physiology of all of the systems within the human body. The units are covered from the perspective of those entering the professions in allied health. Students will also be required to develop a substantial working vocabulary of the technical terms used in health professions.

Aerospace Engineering CC -- YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: None

This is an introductory Aerospace Engineering course that includes basic concepts on the physics of flight, types of aircraft instrumentation; as well as ethics and professional expectations of an aerospace engineer. Students will explore these concepts through scientific inquiry, problem solving, projects, case studies, and simulations.

Oceanography CC – SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: None

Oceanography introduces students to various aspects of the world's oceans. Chemical, physical and biological conditions of the oceans will be studied. Using lecture-discussions, demonstrations, data analysis and hands on activities, the course will examine the history of ocean exploration, features of the ocean basins, the chemical makeup of sea water, currents, waves tides and the life which inhabits the oceans and the associated areas.

AD Philosophy (UCPHIL 1101) – S1

Open to 10, 11, 12 Credit: 0.5

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: None

Topics may include skepticism, proofs of God, knowledge of the external world, induction, free-will, the problem of evil, miracles, liberty and equality. Course material will focus on questions about human nature, meaning of human life, human morality, and human interactions. Philosophers studied may include (but not limited to): Plato, Aristotle, Aquinas, Descartes, Hume, Pascal, Locke, Nietzsche and Marx.

Physics H – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: IPS, Geometry

This college/career ready course continues to develop student's understandings of physics, based upon their prior knowledge developed in Integrated Physical Science. It endeavors to broaden the student's knowledge of classical physics and introduces topics that are important in modern technologies. The course also covers waves, sound and optics. The course is intended for non-science majors and those who wish to develop the basics required for success in technical majors.

Physics CC – YR

Open to 10, 11, 12 Credit: 1.25

Prerequisite: None

This is an introductory course which acquaints the student with the basic principles of classical physics. Topics of study include mechanics, wave motion, sound, light, heat, electricity and magnetism. Some topics of modern physics may be included if time allows. A laboratory is included each week.

AD Physics (UCPHYS 1201Q) – S1

Open to 10, 11, 12 Credit: 0.75

Concurrent enrollment credit possible (ECE-UCONN 4 credits)

Prerequisite: Algebra 2H, Geometry, concurrent enrollment in Pre Calc, IPS or consent of department head

AD Physics introduces students to the principles of classical physics. Students will hone skills including gathering of data and treatment of data, data analysis, building of scientific models, and the use of mathematics as an analytical tool. It may be followed in semester 2 by UCONN ECE 1202Q. The subject matter covered in this course is mechanics. In UCONN ECE Physics 1201Q subject matter is covered at twice the speed as covered in Physics A and meets 6 times per week due to the volume of content (UCPHYS 1201Q). Students are required to take the university exam at the conclusion of the course and will receive high school credit and can receive college credit at UCONN if their grade is C or better.

AD Physics (UCPHYS 1202Q) – S2

Open to 10, 11, 12 Credit: 0.75

Concurrent enrollment credit possible (ECE-UCONN 4 credits)

Prerequisite: Completion of AD Physics 1201Q

UConn Cooperative Physics 1202Q is the second semester of UCONN ECE Physics 1201Q-1202Q. Topics include electricity and magnetism, wave motion, modern and nuclear physics and fluids. Lecture, discussions and laboratory work will be employed and the solving of problems will be emphasized. Students are required to take the university exam at the conclusion of the course and will receive high school credit and can receive college credit at UCONN if their grade is C or better. It is highly recommended that students who take 1201Q consider taking the second half of the sequence (1202Q) to complete their study of topics generally recognized as basics in an introductory physics course.

AD Applied Mechanics Civil Engineering (CE2110)

Open to 11, 12 Credit:1.0

Prerequisite: B or higher in Physics H and concurrent enrollement in AD Calc 1

This is a civil engineering course often called statics. It is a required course for civil, mechanical, aerospace/aeronautical and environmental engineering majors. It's focus is on the analysis of forces in the context of mechanical structures. Some topics are: resolution and composition of forces; equilibrium of force systems; analysis of forces acting on structures and machines; centroids; moment of inertia, virtual work. If time permits, some select topics of dynamics (Applied Mechanics II) will be covered as well. Students may receive 3 UConn credits for the class.

Robotics CC – YR

Open to 9,10, 11, 12 Credit: 1.0

Prerequisite: None

Students will take a real world approach to learning by designing, creating, programming and testing their own robots used to solve real problems as presented in a culminating statewide robotics competition. Robotics will provide engaging and hands-on student experiences that develop the knowledge and skills vital to success in the 21st century.

Forensics CC – SX

Open to 9,10, 11, 12 Credit: 0.5

FORENSICS SX

This one-semester elective course will serve as an interdisciplinary introduction to forensic science. Students will apply elements of chemistry, biology, and physics to the criminal and civil laws that are enforced by police agencies in the criminal justice system. The class includes the investigation of fingerprinting, fiber and hair analysis, blood and DNA analysis, toxicology, handwriting analysis, and ballistics. Students will be taught the proper collection, preservation, and laboratory analysis of various samples. The potential applications of other fields such as anthropology,

This one-semester elective course will serve as an interdisciplinary introduction to forensic science. Students will apply elements of chemistry, biology, and physics to the criminal and civil laws that are enforced by police agencies in the criminal justice system. The class includes the investigation of fingerprinting, fiber and hair analysis, blood and DNA analysis, toxicology, handwriting analysis, and ballistics. Students will be taught the proper collection, preservation, and laboratory analysis of various samples. The potential applications of other fields such as anthropology, pathology, and entomology in forensics may be explored. Many laboratory investigations and case studies will be presented through the usage of model-based learning and project-based learning as promoted in the Next Generation Science Standards (NGSS).

AD Allied Health Professions (UCAH1100) - SX with Independent Study

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Completion or concurrent enrollement in AD Human Biology or Human Anatomy & Physiology H

The course will provide an overview of allied health professions as well as workplace readiness for health occupations and the ethics of healthcare. Students enrolled will job shadow at Windham Hospital and be evaluated by their mentors. By investigating various professions in allied health and participating in career exploration assignments, students will have the opportunity to make informed career decisions and will be prepared to work with different members of the healthcare professions

AD Allied Health Medical Terminology (UCAH2001)- SX

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Completion or concurrent enrollement in AD Human Biology or Human Anatomy & Physiology H

This course is an introduction and mastery of medical terminology through presentation of word roots, prefixes and suffixes. Disease processes, symptoms, diagnosis, and treatments that affect various body systems. Terminology associated with disease processes, symptoms, diagnosis, clinical procedures, laboratory tests, and treatments that affect various body systems. The course is taught in an online format with the instructor available to guide and motivate the students.

AP Research - YR

Open to 11, 12 Credit: 1.0

Prerequisite: AP Seminar

AP Research, the second course in the AP Capstone experience, empowers students to delve deeply into an academic topic, problem, or issue of individual interest. Throughout this journey, students design, plan, and conduct a year-long, research-based investigation to address a research question and fill a gap in the existing research on their topic. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Students planning to take AP Research should have successfully completed AP Seminar. Emphasizing collaboration, critical thinking, and scholarly argumentation, AP Research nurtures a profound understanding of research methodology and research ethics. This rigorous course is an invaluable asset for students considering college-level research or preparing for careers in an increasingly information-based global society. Participation in AP Research is recommended for students eager to challenge themselves and cultivate skills that will contribute to their success in future academic endeavors.

Meteorology CC- S2

Open to 10, 11, 12 Credit: 0.5

Prerequisite: None

Meteorology is designed to explore the dynamic field of atmospheric science and weather. This introductory course will focus on the structure of the atmosphere, the individual components of weather (air pressure, wind, temperature, humidity, and precipitation), and air masses and their frontal boundaries. Through this study, it is expected that students will gain an appreciation for the complexity of predicting the weather and also the impact of weather phenomena on human society. Students will collect and analyze data, build working weather instruments, and evaluate the reliability of weather forecasting from various resources.

Genetics H - S2

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Biology

Genetics is the study of heredity. It is of central importance in biology because of the way it unifies a living world. Topics may include genetically modified products, choosing the sex of an unborn child, or curing a genetic disorder using gene therapy. Students enrolled in course will learn the fundamentals of genetics and explore moral issues surrounding the advances in biotechnology.

Microbiology B - S1

Open to 10, 11, 12 Credit: 0.5

Prerequisite: Biology

Microbiology is designed to familiarize the student with the structure and function of microorganisms, including bacteria and viruses. It is a lab-oriented class that provides a hands-on approach to the basic concepts of microbiology: staining and culturing bacteria. At the end of the course, students will perform their own inquiry, using their skills and knowledge to isolate and identify two strains of bacteria. Additionally, students will explore the diseases caused by microbes.

SOCIAL STUDIES

Megan Magner, Department Director | mmagner@eosmith.org | 860-487-2232 or x4460

The Social Studies Department is committed to helping students better understand our past, while making connections to issues currently facing the world. Our goal is to help students become active citizens, critical thinkers, and strong communicators. Through our required courses and electives, we help students develop skills to understand how civics, economics, geography, history, and human behavior shape the world in which we live.

~ Required Courses: 9th grade Global Studies 10th grade U.S. History; 11th grade Western/Non-Western Civilizations or equivalent.

Global Studies CC – S1 or S2

Required for grade 9 Credit: 0.5

Prerequisite: None

Global Studies is a half-year freshman requirement that focuses on the connections between historic and current events. This course is the first in a sequence of three required Social Studies credits in order to meet the minimum graduation requirements. The material emphasizes the development of skills in preparation for college at a pace and depth appropriate for each student. Four units of studies comprise Global Studies B. Units of study are developed around an overarching question of "Who tells the story?". Unit one looks at how narratives are developed. Unit two explores the narrative of ancient kingdoms in the Non-Western world. Unit three explores how the narratives of regions shifted in the Age of Imperialism, including independence movements, and the final unit will look at how current events are tied to the different narratives that have been told in history. At the beginning of each unit of study, students will be familiarized with several "essential questions" and "transfer skills" related to the unit. These essential questions and transfer skills highlight recurring concepts and themes in our study of history and conducting effective research.

Global Studies H – S1 or S2

Required for grade 9 Credit: 0.5

Prerequisite: None

Global Studies is a half-year freshman requirement that focuses on the connections between historic and current events. This course is the first in a sequence of three required Social Studies credits in order to meet the minimum graduation requirements. The material emphasizes the development of skills in preparation for college at a pace and depth appropriate for each student. Five units of studies comprise Global Studies A. Units of study are developed around an overarching question of "Who tells the story?". Unit one looks at how narratives are developed. Unit two explores the narrative of ancient kingdoms in the Non-Western world. Unit three explores how the narratives of regions shifted in the Age of Imperialism. Unit four looks at narrative during different independence movements, and the final unit will look at how current events are tied to the different narratives that have been told in history. At the beginning of each unit of study, students will be familiarized with several "essential questions" and "transfer skills" related to the unit. These essential questions and transfer skills highlight recurring concepts and themes in our study of history and conducting effective research.

United States History CC – S1 & S2

Required for grade 10 Credit: 1.0

Prerequisite: Geography/Politics/Global Studies

U.S. History examines our nation's past and makes connections to the present. Units of study are organized chronologically, while numerous issues, problems and other topics are also examined in some depth. In this way students can see how past decisions made by individuals or nations shaped our history, and can more clearly see how our choices and decisions influence events in the contemporary world. Throughout this study, students will be challenged to read and think critically, to speak and write persuasively, and to become problem solvers. This course has a workload consisting of homework, projects, papers, use of primary sources, with a greater emphasis on developing, reading, writing, research, identifying cause and effect, interpretation. Students are expected to work cooperatively and participate fully in all classroom activities (discussions, debates, simulations, and presentations).

United States History H – S1 & S2

Required for grade 10 Credit: 1.0

Prerequisite: Geography/Politics/Global Studies

U.S. History A examines our nation's past and makes connections to the present. Units of study are organized with a thematic approach. In this way students can see how past decisions made by individuals or nations shaped our history, and can more clearly see how our choices and decisions influence events in the contemporary world. Throughout this study, students will be challenged to read and think critically, to speak and write persuasively, and to become problem solvers. The course focuses on developing skills with an emphasis placed on the inquiry process, the research process, effective use of credible source material, communicating ideas, and developing critical thinking skills.

AP*/AD US History (UC HIST 1501 and 1502) – S1 & S2

Open to 10 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 6 credits)

Prerequisite: Politics H or Global Studies H

AP/AD U.S. History students cultivate their understanding of U.S. history from 1491 to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity, migration and settlement, politics and power, and America in the world. Students should be prepared to complete summer reading. ** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

AD Latin American Studies (UCLLAS1190) – S1

Open to 11, 12 Credit: 0.5

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: None

This course is an introductory examination of the vast region of Latin America. The students will explore a diversity of cultures, historical legacies, and current issues that have an impact on the contemporary peoples of the region. The presentation of content in the course is both chronologic and thematic. The first half of the course will focus the formative histories of the nations of Latin America, from pre-Colombia times through the beginning of the 20th century; the second half of the course will take a thematic approach to cover topics such as politics the role of women, economics, Latinos in the United States, culture, and human rights. Students enrolling in this course will be expected to engage in scholarly research using the UCONN Library Databases, writing, and Socratic seminars.

AD Principles of Microeconomics (UCECON1201) – S1 & S2

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: None

This course is the equivalent of UCONN Economics 1201. As an Advanced Placement course, content guidelines also adhere to recommendations of The College board. AD Microeconomics is comprised of five units of study: Unit 1 focuses on the basic economic concepts and systems. Unit 2 deals with the choices that individuals and business make. This study focuses on the profit maximizing behaviors of firms operating in different market structures. Unit 3 deals with factor markets, concentrating on the role of labor in the production process. Unit 4 examines the role of government in the economy, including issues related to taxation and income distribution. Unit 5 broadens the study by introducing selected macroeconomics topics including sustainable economic development and the global trading system.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

AD Principles of Macroeconomics (UCECON1202) – S1 & S2

Open to 10, 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE UCONN 3 credits)

Prerequisite: None

This course provides a broad-based survey of the field of macroeconomics. The course material covers aggregate supply and demand, theories promoted by various schools of economic thought, money and financial systems, the role of government in the marketplace, and macroeconomic policy. Included are discussions of pressing domestic policy issues. The student should leave the course with an understanding of current and recent theories of macroeconomic structure and policy.

AD World Civilizations (UCHIST1300) – S1 & S2

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: Pre: U.S. History

This course is an exploration of the foundations of western civilization, the ideas that have shaped this part of the world and the influence these ideas have had globally. Students will then focus on non-western cultures, defining and analyzing non-western paradigms and their contributions to the world. Students will also study issues that cross national and regional boundaries and tie the content of the course with current events. A major goal is to share an appreciation of the rich cultural diversity that the world has to offer and to assist students to become responsible members of the global community. Writing assessments that include a highly analytical 10-12-page research paper will be required.

AP Psychology – S1 & S2

Open to 11, 12 Credit: 1.0

Prerequisite: None

AP Psych will provide students with skills for understanding human thought and behavior that incorporates the perspectives of several social science disciplines. AP Psych introduces students to the scientific study of the behavior and mental processes of human beings and other animals. Students will observe and create experiments to answer questions about human behavior and the E.O. Smith community. Students will participate in a variety of field studies, safe animal experiments, practical group and individual explorations. Additionally, students will have the opportunity to analyze aspects of their own behavior and development.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

Current Events CC – S1

Open to 11, 12 Credit: 0.5

Prerequisite: None

Current Events will increase student awareness and understanding of a variety of political, social, environmental and economic issues that affect humanity today and have implications for the future. Possible units of study include: current news events, the role of the media, social justice, human rights, 9/11 studies including honoring 1st Responders and the human resilience after tragedy in support of 1st Responder families, and honoring veterans and advocating for their rights. In election cycles, there will also be focus on the candidates, issues and the election. Students will have the opportunity to examine their own perceptions and refine and reflect on their opinions. Volunteering in the community is an important aspect of this course to promote being an active citizen. Civic Documentaries, an Independent Study can be taken 2nd semester as a complement to Current Events. For more information on Civic Documentaries, see the instructor. *This course will fulfill the graduation requirement in Politics for students who previously took freshman Politics and did not receive credit.

Genocide CC – S2

Open to 11, 12 Credit: 0.5

Prerequisite: None

Genocide examines the causes and philosophies of genocide during the twentieth century. Students will examine and investigate what might lie at the root of genocide in a study of prejudice and discrimination and the consequences of genocide to a people/culture. Students will study issues that cross national and regional boundaries to gain a better understanding of culture and connect course content to current events. This course provides students with a challenging look at the individual decisions a person has to make when confronted with the moral and ethical decisions when dealing with state-sponsored persecution of their family, friends and neighbors. While most of the course is chronological in approach, various units will take on a thematic element to facilitate greater student understanding.

Human Behavior CC – S1 & S2

Open to 11, 12 Credit: 1.0

Prerequisite: None

The focus of the course is a general introduction to theories and practices in psychology. Human Behavior utilizes the perspectives of several social science disciplines to understand human behavior. Students considering counseling, therapy, education, psychology, social work or any career that involves working with people will find great value in this course. The course will introduce a broad range of topics including abnormal psych, treatment, drugs and addiction, sleep and dreams, stress, memory, motivation, emotions, intelligence, and personality. Additionally, students will have the opportunity to explore aspects of their own behavior and development, as they apply general concepts to their lives.

AD Human Rights (UCHRTS1007) – S2

Open to 11, 12 Credit: 0.5

Prerequisite: None

AD Human rights is a UConn ECE course. The course is an introductory examination and exploration of central human rights institutions, selected human rights thmes and political controversies and key political challenges of contemporary human rights adovocacy.

Intro to Criminal Justice CC – YR

Open to 11, 12 Credit: 1.0)

Prerequisite: None

Students who complete this course will be introduced to possible careers in criminal justice. Three components of criminal justice will be examined: policing, the law, and corrections. Emphasis will be placed on the structure, operation, and interrelationship between these areas. This course will acquaint students with the nature of crime and justice in the United States from a combination of historical and contemporary perspectives. Topics for discussion include family law and juvenile justice, how larger forces in society shape the way the criminal justice system operates, how much discretion justice officials have, and how efforts to respond to crime raise concerns about personal freedom. To enhance interaction with the content there will be several field trips, as well as guest speakers.

African American, Black and Puerto Rican, Latino Studies - YR

Open to 11, 12 Credit: 1.0

Prerequisite: None

The African American/Black and Puerto Rican/Latino Course of Studies is a one credit, year-long elective in which students will consider the scope of African American/Black and Puerto Rican/ Latino contributions to U.S. history, society, economy, and culture. It utilizes Connecticut's Social Studies Framework themes and inquiry-based approach already familiar to social studies teachers to deliver a content rich and personalized learning experience. The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/ Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts.

Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities. This course will contribute to the critical consciousness and civic-mindedness competencies of a twenty-first century graduate, and ultimately facilitate students' interest in pursuing further ethnic, anthropology, or human rights studies in the future.

Global Lens: Middle East & Asia 1H – S1

Open to 11, 12 Credit: 0.5

Prerequisite: US History

This course is an exploration of the Middle East and Asia. Emphasis will be placed on studying the historical and cultural foundations of these regions as they relate to contemporary issues and developments that impact the peoples in these regions today. Assessments will include primary and secondary source analysis, research skills, analytical writing, presentations, simulations, seminar discussions, and traditional tests and quizzes.

Global Lens: Africa & Latin America H – S2

Open to 11, 12 Credit: 0.5

Prerequisite: US History

This course is an exploration of Africa and Latin America. Emphasis will be placed on studying the historical and cultural foundations of these regions as they relate to contemporary issues and developments that impact the peoples in these regions today. Assessments will include primary and secondary source analysis, research skills, analytical writing, presentations, simulations, seminar discussions, and traditional tests and quizzes.

European History: Greece & Rome through the Renaissance H – S1

Open to 11, 12 Credit: 0.5

Prerequisite: US History

The course covers the development of the political, economic

and social factors that formed modern Western Societies. Topics covered include Classical Greece, The Rise and Fall of Rome, The Role of Religions, the Middle Ages, the Renaissance and the Reformation. Assessments will include primary and secondary source analysis, research skills, analytical writing, presentations, simulations, seminar discussions, and traditional tests and quizzes.

European History: Enlightenment through the Holocaust H – S2

Open to 11, 12 Credit: 0.5

Prerequisite: US History

The course covers the more recent development of the political, economic and social factors that influence modern society. Topics covered include The Age of Revolution, the Development of the Nation State, Industrialization, Imperialism, The World Wars, The Rise of Communism and the Holocaust. Assessments will include primary and secondary source analysis, research skills, analytical writing, presentations, simulations, seminar discussions, and traditional tests and quizzes.

Writing Center H – S1

Open to 10, 11 Credit: 0.5

Prerequisite: Recommendation from the director of the Writing Center

The Writing Center prepares students to effectively peer edit student writing assignments for any subject or academic level. The course, modeled after UConn's Writing Center and based on the Connecticut Writing Project's best practices in the teaching of writing, places emphasis on the importance of the writing process. In this writing intensive course, students will refine their own writing skills and their ability to assist other students with their writing. Units of study focus on major steps in the writing process, effective peer tutoring strategies, and management of a successful, student-staffed writing center. Upon successful completion of the course, students must work at least one semester as Peer Editors in the E.O. Smith Writing Center. Student selection for this course is based upon strength of writing and the ability to work well with peers.

AD Individual & Family Dev - YR

(UCHDFS 1070) – YR

Open to 10, 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: None

This course is an introduction to the field of Human Development and Family Studies, providing an understanding of individual and family development over the life span. The course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time. This course has a 30 hour internship requirement. Soome hours will be completed during class time, but students will also be required to complete some hours outside of class.

Economics CC - YR

Open to 10, 11, 12 Credit: 1.0

Economics CC is a full year, sophomore, junior, and senior elective that explores the theory and practice of contemporary economic systems. Its focus is on the functioning of the American economy and our role within it. How to initiate and maintain a business of any size or type; how to see career aspiration become a reality; how to predict obstacles or problems that may appear and how to deal with them. Topics from both Microeconomic and Macroeconomics will be presented in the course. Economics CC is comprised of four units of study. Unit 1 focuses on the basic economic concepts, and provides a framework for the study. Unit 2 deals with the roles of the main participants in the U.S. economy, including: savers and borrowers, investors, consumers, firms, and workers. This unit comprises the heart of the microeconomics section of the course. Unit 3 concentrates on a number of macroeconomics topics and issues, including: taxation and the role of government, the national debt and budgetary surpluses, government stabilization policies that respond to inflation and unemployment, economic growth, and poverty in America. Unit 4 deals with international topics including the prospects for economic development in the developing world, and international trade and the trade deficit. Economics CC is a single semester course that students can take both semesters because different content will be presented in the different semesters.

WORLD LANGUAGES

Gustave Afantchao, Department Chair | gafantchao@eosmith.org | 860-487-2236 or x4540

The World Language Department offers courses in four languages – Spanish, Latin, German and French, from the first to a fifth year. Students in grade 9 may enter at level two if they have been successful (B average or better) in middle school in the target language. While the study of a world language is an elective, many post-secondary institutions require or highly recommend from two to four years of study of the same language at the high school level. Students are encouraged to take a minimum of three years at the high school. In French 5, Latin 4 and 5, German 5, and Spanish 5 students are eligible to earn credits from the University of Connecticut. Students taking two world languages, usually beginning the second one in 10th or 11th grade, are encouraged to do level one of the second world language in the summer so that they can start at level two. Students who are orally proficient in a language may be able to start at level 3 at the high school.

Acceleration options are available in all languages to enable motivated students to bypass one level. Please see your teacher or contact the department chair for more information.

~ Graduation Requirement: One credit.

French 1 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: None

French 1 introduces the four basic language skills: listening, speaking, reading and writing, with an emphasis on the listening and speaking skills. The French language is contemporary and the topical vocabulary is familiar to students. Cultural learning is an integral part of the course. Students use the language laboratory on a weekly basis and are expected to prepare and present oral and written reports.

French 2 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: French 1

French 2 builds on the listening and speaking skills begun in level 1, with an added emphasis on reading and writing. Intermediate grammar and topical vocabulary form the basis of the course. France is the primary cultural focus. Students present oral and written reports. Students have the opportunity to participate in a variety of classroom and co-curricular activities that enhance the language learning.

French 3H or CC – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: French 2

French 3H continues the development and refinement of the four language skills, with an emphasis on completing the essential grammatical structures. Vocabulary units are based on various cultural topics and the exploration of the Francophone world. Students use the language lab for working on skill development and the computer lab for preparing various projects in the language. Students have numerous opportunities to participate in a variety of curricular and co-curricular activities that enhance the language learning, including a biennial exchange in France.

AP*/4HFrench – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: French 3

This course offers students the opportunity to enhance and refine their languageskills at an advanced level, preparing them for a variety of college entrance exams such as the AP and the SAT2. Expanded authentic readings and auditory/ visual clips, class discussions, compositions and cultural topics form the basis of the course. Current events from various Francophone countries expand students' awareness of international concerns from a French point of view. Students taking the course for AP credit will be assessed commensurate with College Board expectations; this will include extra assignments, more rigorous assessments, and require a higher degree of preparation for class, and an expectation for more independent work and preparation outside of class.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is Nov. 15.*

AD French 5 (UCFREN 3267-3268) – S1 & S2

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 6 credits)

Prerequisite: French 4H

AD French 5 follows the basic outline for the UConn courses French 3267-3268W. The course emphasizes refinement of the student's oral and writing skills, using literary and contemporary readings from Francophone writers. Culture continues to be an important component of the course. Eligible students may receive up to 6 credits from UConn through the Early College Experience (ECE).

German 1 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: None

German 1 introduces the four basic language skills: listening, speaking, reading and writing, with an emphasis on the listening and speaking skills. The German language is contemporary and cultural learning is an integral part of the course. Students use the language laboratory on a weekly basis and are expected to prepare and present oral and written reports in German in order

to further develop their skills.

German 2 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: German 1

German 2 builds on the listening and speaking skills begun in level 1, with an added emphasis on reading and writing. Intermediate grammar and topical vocabulary form the basis of the course. Various cultural topics reinforce and enhance the classroom experience. Students use the language lab on a regular basis, and present oral and written reports in German. Students have the opportunity to participate in a variety of classroom and co-curricular activities that enhance the language learning.

German 3H or CC – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: German 2

German 3H continues the development and refinement of the four language skills, with an emphasis on completing the essential grammatical structures. Verbal and written skills are refined. Students present oral and written reports on German culture and on short literary pieces. Students have numerous opportunities to participate in a variety of curricular and co-curricular activities that enhance the language learning.

AP*/4H German – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: German 3

German AP/4His a continuation of the skills and proficiency attained in German 3 for students who are dedicated to developing advanced proficiency in the language. Students review all major cases and verb conjugations learned in German 1-3, as well as practice speaking and responding in typical daily scenarios. Students will begin to make the transition from a grammar and conversation-based course, to a literary comprehension and analysis, and historical and contemporary issues course. Students will refine their grammar and vocabulary mastery, and continue to develop familiarity and understanding of the German people, society and history. The texts used throughout the course offer authentic literary selections, which help to develop student skills in critical reading, interpretation and discussion. This course can be taken as a level 4 course or an AP level course. Students taking the AP level course have to be prepared for extra assignments, more rigorous assessments, and require a higher degree of preparation for class. Students in this level will also engage in more extensive discussion of context.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is Nov. 15.*

AD German 5 (UCGERM 3233/3255) – S1 & S2 Not Offored 23-24

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 6 credits)

Prerequisite: German 4H

This course covers topics and themes that bring the culture and the language of the German-speaking world together, in order to prepare students for a practical application/use of the German language. Through comparisons and contrasts with the students own culture, with those of the German-speaking world, concepts such as cultural norms, attitudes and biases will be discussed. In the foreground is the practical use of the language, as the development of academic vocabulary and the use of relevant grammar. These skills will be assessed both orally and in writing. Other goals of the course include having the student examine their own role as a learner, and developing skills to strengthen their contributions both orally and in writing to the class. The language of the course is exclusively German. Students in German 5ECE (UCGERM3233/3255) must earn a C to receive UConn credit.

Latin 1 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: None

The basic forms and usages of Latin are studied through the Cambridge Latin Course: Units I, IIA and IIB. Emphasized are the study of everyday life in the Roman Empire, with settings in Pompeii, Roman Britain, and Alexandria AD 79-82; the building of Latin vocabulary with English cognates and derivatives; and the basic skills necessary to translate primary Latin prose. Student projects focus on mythology, food, clothing and crafts in the Greek and Roman worlds. Students are encouraged to enter state and national contests requiring knowledge of the language and culture of the Romans.

Latin 2 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Latin 1

The basic forms and usages of Latin are studied using the Cambridge Latin Course: Units IIIA, IIIB, and IVA. The complex syntax of Latin is mastered through readings as well as practice sentences and conversations. Life in the Empire is more closely scrutinized with Rome and the politics of the empire as the major focus of the units in the time period AD 81-83. Student projects focus on art and architecture in Rome and the Roman provinces. Grammar and vocabulary practice, as well as cultural and historical drills, are possible through various on-line programs. Students are encouraged to enter state and national contests requiring knowledge of the language and culture of the Romans.

Latin 3CC – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Latin 2

The influence of Latin in contemporary society is stressed. The focus of this course is to enhance the comprehension of both Latin and English through the study of mythology, commonly used expressions, standard authors, and Roman history. Cambridge Latin Course IV and the Masterpiece Theatre production of I, Claudius are used as the springboard for class discussions and projects. Students are encouraged to enter state and national contests requiring knowledge of the language, the culture and the literature of the Romans.

Latin 3H – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Latin 2

Latin 3H explores Roman prose authors and their influence on

Roman culture. Translation skills (Latin to English and English to Latin) are sharpened. The period of the Monarchy and the Republic through the stories of important Roman heroes is contrasted to the earlier age of mythology and to the later period of the Empire. Basic syntax is reviewed, and rhetorical and stylistic figures of speech are introduced through the works of Caesar, Cicero, and Pliny. The first episodes of the Masterpiece Theater Production of I, Claudius are used to highlight the political and personal lives of the Julio-Claudian emperors. Student projects focus on the legends and heroes of Greece and Rome. Second semester Medieval Latin selections are included to reveal developments of Romance Languages, and selections from Ovid's Metamorphoses are presented to compare poetic style and vocabulary to that of prose. Students are encouraged to enter state and national contests requiring knowledge of the language, culture and literature of the Romans.

AD Latin 4 or 4H* (UCCAMS 3102) – YR

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 3 credits)

Prerequisite: Latin 3

Students continue to expand and refine their skills in grammar, translation, and analysis, and to use them effectively in prepared as well as sight readings. Latin poetry and the Golden Age authors are the concentrations with selections from Vergil's Aeneid, Caesar's De Bello Gallico, and Ovid's Metamorphoses. Scansion of Latin poetry in addition to oral reading is emphasized. Students continue to develop their ability to read and think critically and the necessary background to interpret poetry effectively. Skill in understanding the figurative language of poetry is also developed. This course can be taken at either the A-level or the ECE-level. Students who take this course for ECE credit will engage in deeper analysis, more extensive discussion of context, and will experience a more demanding pace and workload. Students must earn a C or better at the ECE level for UCONN credit.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

AD Latin 5 or H (UCCAMS 3102) – S1 & S2

Open to 11, 12 Credit: 0.5 each semester

Concurrent enrollment credit possible (ECE-UCONN 6 credits)

Prerequisite: Latin 4H

AD Latin 5H studies the areas of Roman Comedy and Roman Lyric Poetry. The periods of Roman history are reviewed in order to focus on the earliest (Comedy) and latest (Lyric) major genre achievements. A play by Plautus and selections from a play by Terence are translated in the first semester with background readings in Greek and Roman Theater. Selections from the poetry of Catullus, Horace and Ovid, and the scansion of lyric verse are the core for second semester with background readings on manuscripts and publications. The students are encouraged to enter state and national contests requiring knowledge of the language, literature, and culture of the Romans. Eligible students may receive up to three UConn credits each semester.

Spanish 1 CC – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: None

Spanish 1 is for students who are new to the language or who need a firmer foundation from middle school Spanish. The four basic language skills: listening, speaking, reading and writing are practiced, with an emphasis on the listening and speaking skills. The Spanish language is contemporary and cultural learning is an integral part of the course. Students use the language laboratory on a weekly basis and are expected to prepare and present oral and written reports in Spanish in order to further develop their skills.

Spanish 2 CC – YR

Open to 9, 10, 11, 12 Credit: 0.5

Prerequisite: Spanish 1

Spanish 2 continues the development of the basic language skills with more emphasis on reading and writing. Intermediate grammar and topical vocabulary form the basis of the course. Culture continues to be an integral part of the course. Students use the language lab to practice skill development and the computer lab for preparing various projects in the language. Students have the opportunity to participate in a variety of classroom and co-curricular activities that enhance the language learning.

Spanish 3 CC – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Spanish 2

Spanish 3CC continues to emphasize the four language skills, building on the grammar and vocabulary learned in Spanish 2. Cultural and contemporary topics continue to be the basis for language learning. Students continue to present oral and written reports regularly in Spanish, and are expected to participate actively in the class. In addition, students have opportunities to participate in a number of activities outside of the classroom, which enhance the classroom experience.

Spanish 3 H – YR

Open to 9, 10, 11, 12 Credit: 1.0

Prerequisite: Spanish 2 or Spanish 3 CC

Spanish 3H continues the development and refinement of the four language skills, with an emphasis on completing the essential grammatical structures. Vocabulary units are based on various cultural topics and the exploration of the Hispanic world. Students use the language lab to practice skill development and the computer lab for preparing various projects in the language. Students have numerous opportunities to participate in a variety of curricular and co-curricular activities that enhance the language learning including a biennial exchange.

Spanish for Health Professionals CC - S1

Course not offered for 2023-2024

Spanish for Business CC - S2

Course not offered for 2023-2024

AP* /4H Spanish – YR

Open to 10, 11, 12 Credit: 1.0

Prerequisite: Spanish 3 H

Spanish 4H offers students the opportunity to enhance and refine their language skills. Expanded readings, class discussions, compositions and the cultural study of Latin America including current events are the basis for the course. Students have numerous opportunities to participate in a variety of curricular and co-curricular activities that enhance the language learning, including a biennial exchange. Students taking the course for AP credit willbe assessed commensurate with College Board expectations; this will include extra assignments, more rigorous assessments, and require a higher degree of preparation for class. This means that there will be the expectation for more independent work and preparation outside of class.

** Students are encouraged to take the AP exam in May. The deadline for AP registration is in Nov.*

AD Spanish or 5H (UCSPAN 3178 - 3179) – S1 & S2

Open to 11, 12 Credit: 1.0

Concurrent enrollment credit possible (ECE-UCONN 6 credits)

Prerequisite: Spanish 4H

Spanish 5H follows the basic outline for the UConn Spanish courses 3278-3279. The course emphasizes refinement of the student's writing skills, using literary and contemporary readings. Oral communication skills are also refined. Culture continues to be an important component of the course. Eligible students may receive up to 6 credits from UConn through the Early College Experience (ECE)