

**Eastlake High School 2015-2016
University of Washington in the High School/Advanced Placement
Course Information and Frequently Asked Questions**

Table of Contents:

I.	Further Info.....	4
II.	Advanced Placement (AP).....	5
	a. Career & Technical Education.....	5
	b. Fine Arts.....	5
	c. Humanities.....	6
	d. Mathematics.....	10
	e. Science.....	12
	f. World Languages.....	14
III.	University of Washington in the High School (UWHS) Course Descriptions.....	15
	a. Career & Technical Education.....	15
	b. Humanities.....	15
	c. Mathematics.....	19
	d. Science.....	20
IV.	Science, Technology, Engineering, and Math (STEM) Career & Technical Education (CTE) Capstone Course.....	22

I. FURTHER INFO

*Questions about **AP courses**? Please visit:

<http://noreply.collegeboard.org/1363a5ef0layfousuak3cw6iaaaaaaoyhhmaquoz24yaaaa>

*Questions about **UW in the High School**? Please visit: www.uwhs.washington.edu

Assuming that students have met the appropriate prerequisites, the following courses are open to each grade level:

	10th grade	11th grade	12th grade
Career and Technical Education	None offered at this time.	AP Computer Science UW Computer Science & Engineering 142 Sammamish Start-Ups	AP Computer Science UW Computer Science & Engineering 142 Sammamish Start-Ups
Fine Arts	None offered at this time.	None offered at this time.	AP Drawing & Painting
Humanities	AP Macroeconomics/ Microeconomics AP World History/ Honors English	AP Language & Composition/ Honors US History AP Macroeconomics/ Microeconomics AP US History/Honors English UW Psychology 101	AP English Literature & Composition AP Macroeconomics/ Microeconomics AP US Government & Politics UW Composition 131 & Comparative Literature 240: Environmental Literature UW Composition 131 & Comparative Literature 240: Margins & Centers UW Psychology 101
Mathematics	UW Pre-calculus 120	AP Calculus AB AP Calculus BC AP Statistics UW Pre-calculus 120 UW Calculus 124	AP Calculus AB AP Calculus BC AP Statistics UW Pre-calculus 120 UW Calculus 124
Science	*AP Chemistry *If they took and passed Honors IPS as a 9 th grader.	AP Biology AP Chemistry AP Environmental Science AP Physics 1 UW Astronomy 101&150	AP Biology AP Chemistry AP Environmental Science AP Physics 1 UW Astronomy 101&150
World Languages	None offered at this time.	AP French AP Spanish	AP French AP Spanish

II. Advanced Placement (AP) Course Descriptions

CAREER AND TECHNICAL EDUCATION

AP Computer Science A (Grades 11, 12) - SCO861/SCO862

1.0 Science or Occupational Credit - Grades 11, 12

Tech Prep

Recommendations: Successful completion of Computer Science and/or Game Programming.

This class is also part of the University of Washington in the High School program. Students may take it for simultaneous credit in the high school and at the University, where the class designation is CSE 142.

This class prepares the student for the AP Computer Science exam.

The University of Washington credit is transferable to most other colleges and universities in the state of Washington. By the end of this course students will be able to design and implement computer solutions to a variety of problems; understand and apply well-known computer algorithms; understand and take advantage of computer system components; and write well-structured, understandable, and reusable programs using the Java and C# programming languages. Among the computer science algorithms learned are object-oriented design and program construction, program flow and control, common searching and sorting algorithms, variables, arrays, and lists, project design and control.

FINE ARTS

AP Drawing and Painting (Grade 12)

Course Description:

This class has a strong focus directed toward drawing and painting.

Students will build on previous studio art class experiences and will work toward achieving confidence in their technical skills and will develop personal style. Students will complete a minimum of 24 high quality finished pieces to be matted and photographed.

Students will complete the AP Studio Art exam in the spring.

This consists of having a digital CD of 24 images and 5 actual quality pieces matted and prepped for the exam prior to the exam date as well as fulfilling the exam requirements on the day of the exam. (TBA)

Students completed portfolio will consist of three sections:

1) Twelve images for Breadth- These are teacher directed class assignments.

Examples:

Drawing vintage cameras from observation in pencil.

Trompe l'oeil (*trump loy-fool the eye*)- Still Life using watercolor and mixed media.

Portraits in pastel

2) Twelve images for Concentration-

These are images of your subject and theme of choice.

It's an exploration of an idea shown through visual images which incorporates technique and personal style.

Examples:

Drawings/paintings of activities of daily life

Visual imagery and text

Dramatic lighting/Chiaroscuro

3) Five Quality Images will be submitted to the student's portfolio as part of the AP Art Exam. These works will demonstrate your mastery in concept, composition and execution of drawing. These works can include any of the media that we will use to create images such as acrylic, color pencil watercolor, pencil, ink, etc. These images can be chosen from Breadth or Concentration sections of your work.

Prerequisites: Students must take any combination of two: Art Foundation, Design, Art Exploration - or 2D Art (Suggested for sophomore year) in addition to Studio Arts, (suggested for Junior year). Each student must have a portfolio of 8-10 artworks that demonstrate knowledge of figure, landscape, color, and form prior to taking AP Studio Art. Art teacher signature required. Art students will be able to complete these 8-10 artworks in the prerequisite class if they earn an A grade. Student must attend informational meeting and have instructor's signature to enroll.

Students interested in taking AP Studio Art should consider:

- Freshman year: Art Foundation, Design, Art Exploration
- Sophomore year: Art Foundation, Design, Art Exploration (any two) or 2D Art
- Junior year: Studio Art
- Senior year: AP Studio Art

Students will need to have 8-10 completed works to bring with them from previous art courses taken at Eastlake High School.

All students will pay an \$80-\$100 art fee for the year (based on building resources). An additional exam fee must be paid at time of exam. Taking the exam is a requirement of the class.

HUMANITIES

AP English Language and Composition/Honors U.S. (Grade 11)

History Block (11 AP LA/US Hon) - YBK371

1.0 credit AP Language and Composition/1.0 credit Honors

U.S. History

CADR

Prerequisites: Teacher signature required

Recommendations: "A" average in Humanities classes.

Course Description: The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts in addition to becoming skilled writers who compose for a variety of purposes. The purpose of the AP curriculum is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will study a wide variety of prose styles from many disciplines and historical periods to gain understanding of the connections between interpretive skill in reading and writing. Major assignments include timed writes, Socratic discussions, and synthesis projects. By the end of this course, students will be able to write college level essays, have the skills necessary to complete a college level exam, and demonstrate control of language at the college level. In addition students will also engage in a historical exploration of United States

History. The honors portion of the class will focus on project based learning and ask the essential question: What does it mean to be an American?

AP English Literature and Composition (Grade 12)

ENG495/ENG496

1.0 English credit - Grade 12

CADR

Prerequisites: Junior English teacher signature and recommendation form required

Recommendations: "B" average in Humanities classes, strong analytical reading and writing skills

This is an honors level option for the 12th grade English requirement, for which college credits may be earned by passing the AP English Literature and Composition exam in the spring. Students in this section receive 1.0 credit in AP English. Students are expected to prepare diligently for, and take the AP English Literature and Composition exam in May and will be required to complete a summer reading assignment. Students will need to purchase some of their own books (paperbacks) for the course. Students in this class will follow the authorized A. P. Curriculum which included challenging close reading of poetry, short fiction, novels, and plays. Students will be expected to complete timed on-demand essays and more extensive process essays.

FAQs

1. Is there a summer reading assignment?
There is a summer reading and journal assignment. It is required, and the school year will start with a test and an essay on the summer reading book.
2. Is college credit available through AP Lit.?
College credit in an AP class is based on student performance on the AP exam in May. That credit is determined by the student's score and the university. Some universities accept it as replacement for an entry level English class, others accept it as elective credit, and some do not accept it at all. Be sure to check with your university choices about whether or not they accept AP credit.
3. Do I have to take the AP test in May?
The expectation is that all students take the test in May. The cost is about \$93, but there are need-based scholarships available for students who qualify.
4. How much homework should I expect, and what is the homework like?
Expect 1-2 hours of homework following each class meeting (3 times per week). Much of this homework involves reading the assigned texts and annotating or taking notes on the texts. There will also be writing assignments as homework.
5. What type of writing will we do?
Since this is a literature specific class, writing assignments all fall into the category of literary analysis. This doesn't mean that we expect all of our students to plan to be English majors. Most don't. It certainly does make the class more enjoyable if you enjoy digging deeply into literature, really dissecting it, considering the way writers use literary devices or the impact of specific word, and then putting all that together into a written argument.
6. How will we be graded?
While some assignments are checked for completion, the bulk of the grade is based on the writing assignments and reading quizzes. All of these are based on the literature.

AP Macroeconomics/AP Microeconomics -SOC754/SOC751 (Grades 10, 11, 12)

1.0 Social Studies credit

CADR

Prerequisites: None

Recommendations: None

Course Description: AP Economics course is designed to give high-ability students the opportunity to earn college credit while still in high school. AP gives students the chance to try college-level work in high school, and to gain valuable skills and study habits for college. The course helps student develop critical thinking skills through understanding the basic concepts of economic theory. Students are expected to apply theoretical economic logic to better understand the dynamics and intricacies of what influences today's economy. The course prepares the student to take both the AP Microeconomics and AP Macroeconomics tests. Ultimately, students will improve their decision making skills and learn to apply quantitative and mathematical skills to economic problems.

AP U.S. Government and Politics 1.0 Social Studies credit - Grade 12

Prerequisites: Admission based on writing sample and teacher recommendations.

Course Description: This course is designed as a college level introductory Political Science class. A primary goal of the class is to prepare for the Advanced Placement examination which is given each spring and which may give college credit. Overall it is intended to develop writing, speaking, and organization skills and to provide a thorough knowledge of information and topics related to American government. Students will review major political documents, such as the Declaration of Independence and Federalist papers, examine and analyze basic government institutions, including the courts, Presidency, bureaucracy, and Congress, and become aware of the political process, such as elections, civil rights, and the freedoms inherent in the Bill of Rights. The class will include regular reading of a college level text, advanced level political articles, and the analysis of trends in contemporary politics.

The class involves the following course of study:

- Constitutional Underpinnings
- Political Beliefs and Political Behaviors
- Political Parties, Interest Groups, and the Media
- Institutions of Government (Legislative, Executive, Judicial and Bureaucracy)
- Civil Rights and Liberties
- Public Policy

Course work includes the following:

- Readings in the text, *Government in America*, by George C. Edwards III, Martin P. Wattenberg, and Robert L. Lineberry which provide the basic course knowledge. Mastery of this material is necessary to succeed in this course and to score well on the Advanced Placement test in May.
- Outside reading, in-class seminars, and extended homework assignments which add depth and understanding to the basic course material. Faithful completion of these assignments will help insure success in the free response (essay) portions of both this course's unit tests and the Advanced Placement test.
- Following the news and doing directed periodical research which provide knowledge of ongoing developments in the field of government and politics, aid in the

understanding of abstract concepts, and provide concrete examples useful in answering test questions.

- Simulations and real-world experiences to provide a depth of understanding and greater awareness of how the actual process of government works.

AP U. S. History/Honors English Block (11 AP US/LA Hon) – Grade 11

1.0 credit Honors English 11/1.0 credit AP US History -
CADR

Prerequisites: Teacher signature required

Recommendations: "A" average in Humanities classes.

Admission based on writing sample and teacher recommendations.

Course Description: This course is designed to provide students with the analytical skills, reading/writing abilities, and factual knowledge necessary to deal critically with the problems and issues of American culture. The course not only meets the requirements for American history and American literature, but also prepares students for the AP American History examination. The aim of the course is to provide students with a learning experience equivalent to that obtained in most college introductory American History courses. Successful completion of the examination may result in students obtaining college credit for introductory American History. Admission is based on teacher recommendation and AP teacher interview. Student Learner Traits: This class not only builds and strengthens but also requires strong skills for success. Due to the extensive homework (1-2 hours per night, per class) and work on reading comprehension skills, test-taking abilities, and writing skills, only students who demonstrate initiative and who seeing how those linkages are affected by particular historical and political conditions. Two hours of homework most nights.

FAQ's

1. Will I be bored if I don't like history?

No! Ask any former APUSH student and they will tell you this class is so much more than memorizing dates and names. It is a fun and interactive look at all of the reasons our country is the way it is. Think of it like John Green's Crash Course to History (which we watch by the way). By the time the year has ended you will know a lot of history but more importantly you'll have enjoyed every minute of it. In this class history isn't something that you passively sit back and learn, you engage with it, you debate it, you laugh at it, you question it. History in APUSH is living and you don't want to miss it.

2. What is the work load?

APUSH is blocked with Honors English you should expect to have 1-2 hours of homework a night. The homework will consist of preparing for quizzes by reading the textbook and preparing for class discussions by reading primary sources and the novels.

3. Will I survive the work load?

YES! It is way more work than you probably have ever done before in your life, but, do what works best for you. Everyone studies differently and when you find that right balance it won't seem like so much work anymore.

4. Will there be other resources beside the textbook?

Of Course! AP US History is one of the most popular AP classes and exams. Because of this there is a mountain of study material available for students to use. Wikinotes, quizlet,

Crash Course to History, etc. You never need to worry that you won't have enough support in the class. Our goal is to be sure you pass the AP Exam, thus we will do everything possible, and provide you with everything possible to make that happen. This is why we have a 88% pass rate on the AP Exam.

5. *I heard that the AP US History test changed recently, what was that all about?*
As of the 2014-2015 school year the AP US History test was reformatted to better align with the learning of historical thinking skills and to move away from the rote memorization of the previous test. While the new test is not perfect, it is an improvement. The new test did not change any of the content that we teach, but it did change the way that we assess student learning to better prepare them for this final test.

AP World History/Honors English Block (10 AP World/LA Honors) – Grade 10

1.0 credit Honors English 10/1.0 credit AP World History -
CADR

Prerequisites: B average in 9th grade humanities

Recommendations: "A" average in Humanities classes.

Course Description: A.P. classes provide an opportunity for students to challenge themselves in preparation for college and the workplace. AP World is a college level course covering pre-history to the modern day. Students will have the opportunity to read complex texts, make connections between world events, and develop critical thinking skills. AP World history prepares students to take the AP World exam in May. Successful completion of the examination may result in students obtaining college credit for introductory World History. The block format allows for greater integration of writing skills and more consistent teacher-student interaction. The honors English block will be an enriched version of the standard 10th grade English which covers a scope and sequence of the Common Core Standards for 10th grade including reading of literary and informational text, argumentative writing and research skills. Extensive reading is required. Students should expect at least 1 hour of homework per night.

MATHEMATICS

AP Calculus AB - MAT631/MAT632 (Grades 11, 12)

1 Credit

CADR

Prerequisite

Maintain a "B+" or better in Math Analysis or in UW Pre-Calculus or a B in UW Calculus. This course is designed to cover material equivalent to two quarters of college calculus and to prepare students for the Advanced Placement Exam. The student will study both differential calculus and integral calculus and their applications. Some major assignments in this course include quizzes, end of unit tests, and daily homework. A student may spend 45 to 60 minutes on homework outside of class. Students will need to have a graphing calculator and purchase the Barron's AP Practice Workbook on their own for the class.

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam. The grade in the class itself will not determine if college credit will be earned.

AP Calculus AB Frequently Asked Questions:

1. How much time should I anticipate studying outside of class?

You are assigned about 1 to 2 hours of homework each time we see you in class (3 times a week). It is crucial that you complete this homework on time, as we are moving on and learning new material each class period. If you get behind, it is hard to catch up. We provide notes and videos on our websites to help with retention and understanding, but it is also encouraged that students seek out other outside resources for further study. It is not just enough to do the homework in this class, as some concepts will require more work to understand completely. We will also quiz on the homework weekly to ensure that such study is occurring and see where review is needed.

2. What should I know really well before coming into the class?

Calculus is a great place where you will use the skills you have learned throughout high school and see where they apply. Thus, having strong Algebra skills (from Algebra 2, Math Analysis, and UW Pre-Calculus) and Trigonometry knowledge leaves you in a great place to find success in this class. The new material is made much easier the stronger your background in these skills is overall.

3. What could I anticipate in terms of tests and quizzes?

Quizzes are given at least once a week. Some are announced and some are not, as we want to check and make sure that homework is being completed and corrected as we go along in the unit. We give at least one Section Quiz a unit, where students are able to correct their mistakes for half of their points back. Some quizzes are done in partners, as we want to encourage you to work with your peers. Working in groups has been a great help to many students in the class in the past, as you can have a different conversation around the material than you can with a teacher. Thus, we encourage this in class with partner assessments. In terms of tests, they are given at the end of each unit and are worth 100 points. They are made up of multiple choice and free response, much like the AP test. The questions are in-depth, but if you are completing the homework, correcting your mistakes, reflecting on your learning, asking questions, and studying on your own further, you are setting yourself up for greater success in the class.

4. What is the success rate of students with multiple AP classes?

This really depends on the student. If you like to be challenged and find yourself wanting to push yourself more as you get closer to college, taking a couple AP or UW classes could fulfill this desire well. We would just advise that you be very thoughtful if you are taking more than 2 AP or UW classes. This will require a lot of academic study and dedication to be successful in all of them, so you must consider if this would be a good fit with your life outside of school.

5. What are the biggest differences between AP Calculus and UW Calculus?

In AP Calculus, we move at a very fast pace. We learn a new concept every class period, whereas UW Calculus will go at a more deliberate pace through the material. This is because AP Calculus covers two semesters of college-level Calculus material, while UW Calculus will only cover one. We also do not review previous concepts very much compared to the other class, as it is expected that you are doing this on your own time since we have so much to cover. In AP Calculus, there is also an expectation that you are reviewing content from your Algebra 2 and Pre-Calculus level courses during the summer to stay strong in your skills.

AP Calculus BC - MAT641/MAT642 (Grades 11, 12)

1 Credit

CADR

Prerequisites: Maintain a "B" or better in AP Calculus AB.

Course Description: This course is a continuation of the AP Calculus AB course. The pace and curriculum of the course is equivalent to the third quarter of first year calculus at a university. In the first half of the course students work with infinite and power series. Students learn to find a Taylor series for a number of transcendental functions and use these series to approximate transcendental functions, solve differential equations, and solve indefinite and definite integrals. The second half of the course is devoted to the calculus of vectors. Students learn to extend previously learned concepts about differentiation and integration to vectors

AP Statistics - MAT651/MAT652 (Grades 11, 12)

1 Credit

CADR

Prerequisites: Maintain an "A" or better in Algebra 2 or "B" or better in Math Analysis & Calc.

Course Description: AP Statistics is a college level course in statistics. Credit or placement at most universities can be earned through a score of 3 or higher on the Advanced Placement Statistics Exam offered in May. Course topics include: graphical and numerical summaries of data sets, techniques for establishing confidence intervals and testing hypothesized parameter values. In addition, students learn to perform surveys and conduct and analyze experiments involving one or two variables. A student will need a TI 83 Plus Calculator which includes a statistics packet which coordinates with the existing curriculum.

Recommendation: Student purchase of textbook and/or computer version of ActivStats.

SCIENCE

AP Biology (Grades 10, 11, 12)

1.0 Science/Lab Credit

CADR

Prerequisites: Successful completion of Integrated Biology, Chemistry, and Geometry

Course Description: This course is designed to be the equivalent of a college introductory (1st year) biology course taken by biology majors. Successful completion of the AP exam at year's end may result in upper-level biology course enrollment in college or registration in courses for which biology is a prerequisite. AP Biology is academically rigorous, includes complex labs, and covers biochemistry, cells and energy transformation; molecular genetics, heredity and evolution; animals, plants, ecology and principles of taxonomy. In addition to normal class time, students may spend 5-7 hours outside class completing lab work during weeks with labs and 6-8 hours/week outside of class for reading and unsupervised study. Students should expect the work to be extremely difficult. Reading is an absolute must for this class. Students are expected to purchase the college text and lab manual for this course. There is a \$15 lab fee for this course.

AP Chemistry: (Grades 11, 12)

1.0 Science/Lab Credit

CADR

Prerequisites: Chemistry teacher signature, 1st year Chemistry, Advanced Algebra

Course Description: This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students will be expected to take the Advanced Placement exam at the end of the year. If successful in this test, students will be able to undertake, as college freshman, second year work in chemistry at some schools, or register in courses in other fields where general chemistry is the prerequisite. Advanced chemistry will be academically rigorous. It is assumed that each student will spend at least three hours a week in unsupervised study. Students will receive a copy of the text for the class with the included class fee. There is a \$30 class fee for this course.

AP Environmental Science (Grades 11, 12)

1.0 Science Credit

CADR

Prerequisites: Successful completion of Integrated Biology and interest in environmental issues

This class is designed to explore the natural world and human effects on it through ecology and environmental issues. Students in this class will prepare for the AP Environmental Science Exam and may earn college credit through the AP Exam. Concepts will include ecosystem analysis, human population, pollution, natural resources, energy use, and how governments addresses environmental issues. In class we will discuss the science behind the issues, the potential consequences of various problems, as well as potential solutions. APES is a rigorous college-level course and will require at least 4 hours each week of individual study and work time. There is a \$30 lab fee for this course.

A former student remarked from college that APES was probably the most real and important class they took at Eastlake and a parent commented that APES, "Is the kind of class that truly makes an impact on kids".

AP Physics 1 (Grades 11, 12) - SCI483/SCI484

1 Science/Lab Credit - Grades 11, 12

CADR

This course satisfies the requirement for an algebra-based science.

Prerequisites

No prior course work in physics is necessary. Students should have completed geometry and be concurrently enrolled in Algebra 2 or an equivalent math course.

Recommendations: AP Physics 1 students should have done well in Math Analysis or UW Pre- Calculus, and have confidence and proficiency in math. Students should be prepared for homework including writing, drawing, and mathematical reasoning.

AP Physics 1 is a first year high school physics course that is equivalent to a first-semester college course in algebra-based physics. It uses a college-like lab and lecture approach with a heavy work load. Topics covered include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students will be

expected to take the AP Physics 1 exam at the end of the year. There is a \$30 lab fee for this course.

Frequently Asked Question:

Do you have to take Physics before you take AP Physics 1?

No. In fact, if you plan on taking AP Physics 1, do not take Physics, as there is significant overlap between the two courses.

WORLD LANGUAGES

AP French Language - FOR171/FOR172 (Grades 11, 12)

AP Spanish Language - FOR571/FOR572 (Grades 11, 12)

1.0 Credit

CADR

Prerequisites: Successful completion of French 3 or 4 course at a performance level of B and teacher's recommendation. Successful completion of Spanish III or IV course at performance level of B, teacher's recommendation, and junior or senior status.

Course Description: The rigor of these courses is the equivalent of a third year college course in advanced composition and conversation. It includes aural/ oral skills, reading comprehension of varied materials, grammar and composition. Communications objectives are: comprehension of formal and informal language, acquisition of diverse vocabulary, composition of expository passages and ability to express ideas and opinions orally and in writing with accuracy. Students have the opportunity to earn college credit by passing the AP Spanish/French Exam. Demonstration of proficiency via oral and written examinations is required.

III. University of Washington in the High School (UWHS) Course Descriptions

CAREER AND TECHNICAL EDUCATION

UW in the High School Computer Programming (UW CSE 142) (Grades 11, 12)

(UW CSE 142) - CTA511

*.5 Occupational Credit or 4.0 University of Washington Credit

This class is designed for anyone interested in getting a jump start for college careers in computer science or computer engineering. Although no prior programming knowledge is required, the class content is college level work. This course offers students the option to complete the UW CSE 142, Computer Programming course — Building Java Programs. Content will include: Basic programming-in-the-small abilities and concepts including procedural programming (methods, parameters, return values), basic control structures (sequence, if/else, for loop, while loop), file processing, arrays and an introduction to defining objects. Students earn a final grade over time; a grade does not depend on one exam. Students receive recognition for their UW work at most public institutions and many private ones. Cost for UW Credit Option: \$320 + \$44 registration fee.

HUMANITIES

UW Composition 131/UW Comparative Literature (Grade 12)

240 Margins and Centers (UW Comp - Eth. Lit) -

ENG881/ENG882, 1.0 English credit, CADR

Prerequisites: Teacher signature required

Recommendations: "B+" average in English

Course Description for English 131: Students work on writing for college: extensive use of writing groups and conferencing in response to challenging texts. Types of essays will include argument, analysis, narrative, and responses to literature. Writers will experiment with rhetorical strategy, tone, voice, and writing for various audiences and purposes. Comparative Literature 240: Margins and Centers: Who's In, Who's Out, and Why That Matters For All Of Us. This class focuses on literature that will help us think about how people categorize each other on the basis of various social and biological features, including gender, race, ethnicity, language, citizenship status, sexuality, and ability. In all societies around the globe, some are part of the Center--often with status and the power to make and enforce rules--and some are relegated to the Margin--often with less power and subject to the rules and regulations that the Center dictates. These dynamics play out in terms of international relations between countries on the world stage, as well as in our own seemingly smaller lives with family and friends. What's going on? Why does this keep happening? And what does this have to do with you and me? The novels we read this term will help us imagine people who might seem different from us, and provoke us to ask larger questions about identity, power, privilege, society and the role of culture in our lives.

Two hours of homework most nights. Students who opt to take this course for UW credit can receive 5 quarter hours for UW Eng. 131 first semester, and 5 for UW Comp Lit 240 second semester. Students in this class will participate in the Senior Project. Students buy their textbooks each semester and must take both semesters. A fee of \$364 UW tuition is charged per semester for students enrolling for college credit. Check with your college

choices regarding acceptance of this credit. Dual credit with AP English will not be awarded by most colleges. Admission based on a teacher recommendation.

FAQ's

1. How will we be graded?

For the UW Composition 131 portion of the course (first semester)

This course is very different from previous courses you've taken. 30% of your grade is simply participation. Are you turning work in? 70% is the portfolio. What this means is that on each essay you write instead of a grade (80/100 for example) you will receive feedback from the instructor. At the end of the semester you will choose several papers to revise and compile those papers and the feedback for them in a portfolio. You will then write a cover letter where you prove with your revised papers that you have achieved the UW Expository Writing Programs Course Outcomes. In this way you do not have to worry about digging yourself out of a grade deficit from the beginning of the quarter because you earned a poor grade on a paper, and you do not need to worry about taking risks and having fun with your writing because you will not be graded down for it. Your grade is based on what you have achieved by the end of the course as opposed to what you have achieved at the beginning of the course.

For the UW Comparative Literature 240 portion of the course (second semester)

Similar to first semester the grade is based on what you can do at the end of the semester as opposed to the beginning. 30% of your grade is based on participation in discussion of the novels and issues that are brought up in class and 70% is based on the end of unit project designed by the students.

2. How is the class structured?

UW Comp is actually two classes in one. First semester is UW Composition 131 where the focus will be writing. Our topics for first semester are American Ethnic English and Perspective, Power and Marginalizing the Other. Our class will generally be organized how authors employ, challenge, and define these terms in relationships to power, culture, and identity. Our first sequence will move to critically engage more broadly with how power operates and its ties to culture and identity.

Second semester is UW Comparative Literature 240. The theme is Margins and Centers: Who's In, Who's Out, and Why That Matters For All Of Us. This class focuses on literature that will help us think about how people categorize each other on the basis of various social and biological features, including gender, race, ethnicity, language, citizenship status, sexuality, and ability. In all societies around the globe, some are part of the Center--often with status and the power to make and enforce rules--and some are relegated to the Margin--often with less power and subject to the rules and regulations that the Center dictates. These dynamics play out in terms of international relations between countries on the world stage, as well as in our own seemingly smaller lives with family and friends. What's going on? Why does this keep happening? And what does this have to do with you and me? The novels we read this term will help us imagine people who might seem different from us, and provoke us to ask larger questions about identity, power, privilege, society and the role of culture in our

Students can earn up to 10 college credits. 5 credits for UW Composition 131 and 5 Credits for UW Comparative Literature 240.

3. *Does it actually go on your college transcript?*

If a student chooses to register for credit they will receive a University of Washington Transcript when the course is completed. Once they have registered for the class they will also receive a UW Net ID which gives them online access to their transcript as well as access to the UW Libraries system and other UW services.

4. *What is the homework like?*

This course runs like the course on the college campus runs. The students will learning the writing techniques in class as well as on their own from the UW Textbook *Context for Inquiry*. For second semester students will be responsible for reading the novels outside of class and coming to class prepared to discuss the assigned reading. Students can expect 1/2hr to 1 hour of homework a night.

5. *How does this help me with college/Do credits transfer?*

The great thing about taking UW Comp at the high school level is that you won't have to take it in college! Most college require incoming freshman to take an introductory English writing course to prepare them for the writing they will do at the college level. Though the college may give you credit for an AP English course they may still make you take their introductory English course. However, If you take UW Comp at the high school you will have a UW transcript and the class will transfer as an introductory English course, thus you will not have to take it once you go to college.

In Washington, most colleges and universities generally accept UW credit earned in the high school. Only two institutions, Whitman College and University of Puget Sound, generally do not accept this credit. You can see web statements on credit transfer from Washington institutions on this webpage.

<http://www.uwhs.washington.edu/uwhs/credits/transfer.asp>

Credit transfer is not the only way to earn recognition for UW courses taken in the high school. Year after year, in annual surveys we do with students after they complete a UW in the High School course, more than 90% of students who attempt to transfer credits are successful at being awarded credit, exempted from a course, or placed into a higher level course. Because these are college-level courses, they are often weighed just as Advanced Placement courses, improving a candidate's college application.

6. *Are there costs associated with the class?*

First semester the students are expected to purchase the text for the class which is \$80. Second semester students can choose to purchase their novels or get them from the library. If the student wants UW credit for the class, registration is \$364 per semester, however the student does not have to register for credit to be in the class.

UW Composition 131/Comparative Literature (Grade 12)

240 Living in Place: Literature and the Environment

(UW Comp - Env. Lit) - ENG885/ENG886

1.0 English credit, CADR

Prerequisites: Teacher signature required

Recommendations: "B+" average in English

Course Description for English 131: Students work on writing for college: extensive use of writing groups and conferencing in response to challenging texts. Types of essays will include argument, analysis, narrative, and responses to literature. Writers will experiment with rhetorical strategy, tone, voice, and writing for various audiences and purposes.

Comparative Literature 240: Professor Gary Handwerk, Living in Place. Our focus for this course will be upon how literature deals with the environment, i.e., how literary texts represent environmental issues and why it matters that they be represented in this form. How, that is, does where we live and, even more importantly, how we imagine the place in which we live, affect who we are? How do our relationships to nature and our relationships with other people intersect? We will be considering a range of prose texts, including fictional narratives, non-fictional essays and journalism, primarily texts written or set in the Americas. Course goals include: 1) developing the analytical reading skills appropriate to different kinds of literary texts, 2) working on how to formulate and sustain critical arguments in writing, 3) learning how to uncover the supporting logic and stakes of specific attitudes toward the natural world, 4) understanding how environmental issues are linked to other social and cultural concerns, 5) seeing how those linkages are affected by particular historical and political conditions. Two hours of homework most nights. Students who opt to take this course for UW credit can receive 5 quarter hours for UW Eng. 131 first semester, and 5 for UW Comp Lit 240 second semester. Students in this class will participate in the Senior Project. Students buy their textbooks each semester and must take both semesters. A fee of \$364 UW tuition is charged per semester for students enrolling for college credit. Check with your college choices regarding acceptance of this credit. Dual credit with AP English will not be awarded by most colleges. Admission based on writing sample and teacher recommendations.

UW Psychology 101 (Grades 11, 12)

Teacher: Sara Norris

Course Description:

UW Psychology 101 - SOC665

.5 Social Studies credit

Prerequisites: None

Recommendations: "B" average in Humanities classes

This is college level course taught in one semester. It is lecture-based and the majority of your final grade is based on exam scores. The course surveys major areas of psychological science. Core topics include human social behavior, personality, psychological disorders and treatment, learning, memory, human development, biological influences, and research methods. Related topics may include sensation, perception, states of consciousness, thinking, intelligence, language, motivation, emotion, stress and health, cross-cultural psychology, and applied psychology. It is not required for students to take Psychology 1 in order to register for this class, however if you have taken Psychology 1, then you must pass the class in order to take UW Psychology 101. Students will buy their own textbook. A fee of \$364 UW tuition is charged per semester for students enrolling for college credit. Check with your college choices regarding acceptance of this credit. For more information please see the University of Washington in the High School website: www.uwhs.washington.edu/uwhs.

FAQ:

Question: "Psychology is already offered. What is the difference between Psychology and UW Psychology 101?"

Answer: Psychology is designed to cover content at a pace that allows for in-depth exploration through class discussions and application through activities and projects.

UW Psych 101 is lecture based, requires extensive reading and studying outside of class

and will measure student knowledge through quizzes and tests. UW Psych 101 allows students to be able to earn 5 credits through the University of Washington. UW Psych 101 will be structured just like the Psych 101 courses that take place on UW's campus, but it will be at Eastlake instead (I will work very closely with the UW Psych Department). The course will be very different from the structure of Psychology I and is very challenging, as it is a college level course.

Question: "Is Psychology required to take UW Psychology 101?"

Answer: No. However, those students who have already taken Psychology will find that they will not have to study the content that was covered in Psychology as much when it is covered in UW Psych 101. This will allow them more time to study the new content. Additionally, if you have taken Psychology, then you must pass the class in order to take UW Psychology 101.

Question: "What costs are associated with this course?"

Answer: Students are expected to purchase their own textbook, just like they are in college classes on a college campus. The textbook is Lilienfeld, Lynn, Namy, & Woolf. (2011). *Psychology: From Inquiry to Understanding*, 2nd Ed. Pearson: Boston, MA. The estimated cost of the textbook is \$63 new and \$15 used (Amazon). If the student wants the UW credit for the class, then they will also be expected to pay \$364 total to UW. They don't have to take the class for credit (and hence don't have to pay that fee).

Question: "Can students take the AP Psychology test after taking UW Psych 101?"

Answer: Yes, if they earn a score of a 4 or a 5, then they will also be able to receive UW credit. For some colleges a score of 3 will earn then college credit, please check with your college choices regarding required scores on the AP Psychology exam for credit.

Question: "Can this count as an Occupational Education credit?"

Answer: No. This class does not meet the requirements for the Equivalency Crediting for Occupational Education credit. (However, I will further investigate whether or not it is appropriate to pursue this process for future years.)

Question: What will the course calendar look like?

Answer: A typical Psych 101 course at UW is completed in 10 weeks. The content for this course will be adapted to fit an 18 week semester in high school. I will be required to cover all of the content covered in a typical Psych 101 course at UW. We will cover most chapters in the textbook.

Question: How much homework does this class have?

Answer: The class has minimal assignments to complete outside of class. You will be required to read the text and study the content to perform well on exams. An average college student should expect 2 hours of reading and studying outside of class per hour in class. For some students this will be more, it depends on how effective your reading and study skills are.

MATHEMATICS

UW in the High School Pre-calculus (UW Pre-calculus 120) (Grades 10, 11, 12)

(UW Pre-calculus 120) - MAT551/MAT552

1 Credit, CADR

Prerequisite: Maintain a B+ or better in Algebra 2

Course Description: This year long course is a concurrent enrollment class. Courses offered through UWHS are official UW courses and therefore demand considerable work outside of the classroom, on average about 1 hour a day (7 hours a week).

Successful students have discipline and are willing to dedicate more time than the typical high school course demands. Students will get both high school and college credit. The course covers basic properties of functions, graphs; with emphasis on linear, quadratic, trigonometric, exponential functions and their inverses. Emphasis will be on multi-step problem solving. The cost of a UWS course is \$320, plus a \$44 UW registration fee. The course fee covers the cost of all five credits. UW in the High School courses offer students UW credits at a substantial savings over on-campus rates. This total is approximately \$60 per credit: less than half of campus tuition rates. Check with your college choices regarding acceptance of this credit.

UW in the High School Calculus (UW Calculus 124) - Grades 11, 12

MAT555/MAT556

1 Credit – CADR

Prerequisite: Maintain a B or better in Math Analysis or maintain a C or better in UW Pre-calculus

Course Description: This year long course is a concurrent enrollment class. Students will get both high school and college credit. The course will cover the first quarter of the Calculus series offered by the University of Washington. A majority of the course will focus on limits and derivatives in preparation for the course final. Students will also receive significant instruction on prerequisite material as well as an introduction to math 125 (integration) in preparation for their next math course. The cost of a UWS course is \$320, plus a \$44 UW registration fee. The course fee covers the cost of all five credits. UW in the High School courses offer students UW credits at a substantial savings over on-campus rates. This total is approximately \$60 per credit: less than half of campus tuition rates. Check with your college choices regarding acceptance of this credit. All students will also be expected to pay for access to the online version of the textbook as well as access to the program web-assign (for homework) which will cost roughly \$40.

Note that ALL students will be completing the same assignments and tests, regardless of their intentions to pursue college credit. The UW grade will be based only on the material covered in the UW course. We will be covering extra topics that will not be factored into the UW grade. There is no such thing as "extra credit", "retakes" or "curving" for any UW Exam or homework score. Grades at UW are decimals that range from 0 to 4.0 in multiples of 0.1, except that the minimum positive grade is 0.7. The median UW grade will typically be in the 2.6-3.0 range. The Final exam is 40% of the grade. Expect at least one hour of homework for each class period. Homework will be graded for accuracy.

SCIENCE

UW in the High School Astronomy 101 and 150 (UW Astronomy) (Grades 11, 12)

1.0 H.S. Science/Lab Credit – Grades 11,12

10 college Quarter Credits

CADR

Prerequisites

Take concurrent with or after successful completion of Chemistry. A "B" average in all previous science classes and a "C" or better in Algebra II.

This course offers a unique opportunity to earn UW college credit in a specialized science. We combine two courses taught at the UW as quarter classes (Astronomy 101

and 150) into one full-year high school class. Students who successfully complete the course (with a C or higher) earn 10 college-quarter credits in science. Astronomy 101 is an exploration of the history of astronomy; the elementary physics of motion and gravity; the physics of light and what we can “read” from light spectra of distant objects; telescopes and how we make observations in all parts of the electromagnetic spectrum. These topics set the foundation for studying the evolution of stars, galaxies, black holes, pulsars, quasars and the universe as a whole. Astronomy 150 is a detailed study of our solar system: its formation, age and make up. We study the geology and atmospheres of the planets and their satellites/moons. We end with a discussion of how we are trying to detect other solar systems and how we continue the search for extraterrestrial life. Students will have the opportunity to satisfy the Level V QSR Formal Lab Report. This course also satisfies the UW exit requirement in Quantitative and Symbolic Reasoning (QSR).

Cost

\$40 fee includes lab supplies, UW field trip, online homework interface and textbook. UW Credit requires a payment of \$320 tuition and \$44 registration fee (less than half the in-state campus tuition rates!).

FAQ:

1) How hard is the class?

It is a college class so you can expect to spend time outside of class reading the text, doing homework and finishing labs/activities. Former students compare it to physics or chemistry in difficulty.

2) How much homework is there?

You can expect to have 1 to 2 assignments per week in addition to the assigned reading in the textbook. Total time commitment of about 4 hours.

3) Do you have to pay tuition?

No you do not have to pay tuition. If you do not you will still receive high school credit for the course, but of course you will not receive college credit unless you pay. The workload is the same for both.

4) Can I withdraw from the college part of the class if it is not going well?

Yes, you can withdraw up to the last day of the class for college credit purposes. Your college transcript will indicate a withdrawal (W) with no letter grade.

5) Do I get a refund if I withdraw?

No, no refunds of tuition.

6) Do other colleges accept the college credit?

All colleges in Washington State accept UW in the High School as college credit except Whitman and The University of Puget Sound. Many out of state schools also accept the credit, but you would have to check on an individual basis.

7) Do we get to look at the stars?

Yes! Eastlake has a 10" telescope that we use for star parties where we look at the planets, moon and a few deep sky objects.

IV. Science, Technology, Engineering, and Math (STEM) Career & Technology Education (CTE) Capstone Course

Sammamish Start-Ups (Grades 11, 12)

STEM CTE Capstone Course

1.0 Occupational Credit or Elective Credit – Grades 11-12

University or Tech Prep credit available

Pre-Reqs include one of the following: Engineering 1 (IED), Engineering 2 (POE), Marketing, Entrepreneurship, Intro to Computer Science, AP Computer Science, Game Design or Digital Design with a grade of C- or better OR one year of competitive DECA experience.

Students work in teams to design and develop original solutions to valid, open-ended problems that will ultimately meet customer need and/or address unmet needs in the commercial, social, and global economy. By applying the design process and cultivating confidence as leaders, they will design, build, and test solutions while collaborating with industry professionals who provide mentoring opportunities. As a course summative, student teams will have the opportunity to present and defend their original solutions to a panel of experts, similar to a Shark Tank. This class lays the foundation for students interested in starting a business and potentially competing in the Lake Washington School District Teen CEO competition. Separate yourself from the pack and join Sammamish Start-Ups.

There is a \$15 lab fee for project materials with this course.