

**YOSEMITE HIGH SCHOOL  
COURSE DESCRIPTION BOOK  
2009-10**



50200 ROAD 427  
OAKHURST, CA 93644

## **STUDENT INFORMATION:**

- Yosemite High School Graduation Requirements
- College Entrance Information
- IB Program Sequence of Courses Leading to Diploma

## **YOSEMITE HIGH SCHOOL CURRICULUM:**

English Department	1
Fine Arts Department	6
Foreign Language Department	12
Mathematics Department	16
Physical Education Department	22
Science Department	24
Social Science Department	31
Career & Technical Education	
- Agriculture	38
- Computer Technology	41
- Consumer & Family Studies (formerly Home Economics)	45
- Industrial Arts	47
- Vocational Service /Miscellaneous Programs	51

**YOSEMITE HIGH SCHOOL  
GRADUATION REQUIREMENTS**

260 UNITS TO GRADUATE (175 Academic/85 Electives)

<u>SUBJECT</u>	<u>YEARS</u>
<u>English</u>	4
<u>Mathematics</u> (including Algebra)	2
<u>Science</u> (including 1 year Physical and 1 year Life)	2
<u>Social Science</u> (including 10 <sup>th</sup> grade World History, Cultures & Geography 11 <sup>th</sup> grade U.S. History 12 <sup>th</sup> grade U.S. Government/Economics)	3
<u>Fine Arts</u> (Visual, performing arts, or foreign language)	1
<u>Physical Education</u> (Student will be required to take additional credits of P.E. if they have not passed the physical fitness proficiency)	2
<u>Career Education</u> (Each student is required to complete a counselor-approved career education plan which consists of at least 3 years (30 credits) of career courses that may include vocational, academic, or fine arts course work)	3
<u>Health</u>	½

Students take 7 classes each semester. Each class is worth 5 credits, therefore, a student who passes all classes will receive 70 credits each year and 280 credits at the end of 4 years. Students must pass all of the credits listed below in order to move with their class to the next grade level:

0 - 54 credits	9th Grade
55 - 124 credits	10th Grade
125 - 189 credits	11th Grade
190 - 260 credits	12th Grade

**PROFICIENCY REQUIREMENTS**

Students must pass a technology proficiency in order to graduate. All students must also pass the California High School Exit Exam.

## COLLEGE ENTRANCE INFORMATION

### A. COMMUNITY COLLEGE ENTRANCE REQUIREMENTS:

1. Any graduate of an accredited high school may attend.
2. Any student who is 18 years of age or over and able to profit from community college instruction may be admitted.
3. Students who pass the California Proficiency Exam or G.E.D. may be admitted.
4. Entrance tests are required for placement in English and math classes.
5. Application Process
  - a) Send for Community College application in the Fall of your senior year.
  - b) Request placement test information.
  - c) For Fresno City College and Reedley College, participate in the "Registration to Go" process at Yosemite High School during the spring semester of your senior year.

### B. MINIMUM STATE COLLEGE ENTRANCE REQUIREMENTS:

1. Students must complete, with a grade of C or better, the following pattern of college preparatory subjects totaling 15 units:

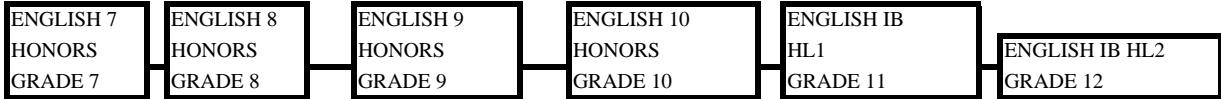
4 years:	English
3 years:	Mathematics (Algebra, Geometry, and Algebra 2)
2 years:	2 years history/social science including 1 year U.S. History OR 1 semester U.S. History and 1 semester American Government, and 1 year history/social science from either "a" or "g" subject area.
2 years:	Science with a laboratory: Biology; Chemistry or Physics (one biological and one physical)
2 years:	Foreign Language (the same language)
1 year:	Visual and Performing Arts: Art, Dance, Theatre/Drama, or Music
1 year:	Electives chosen from the above areas.
2. SAT Reasoning Test or ACT test is required for entrance.
3. Entrance is established by an eligibility index which is determined by a combination of the grade point average of "a-g" courses and test scores (SAT Reasoning or ACT).

**C. MINIMUM UNIVERSITY OF CALIFORNIA REQUIREMENTS:**

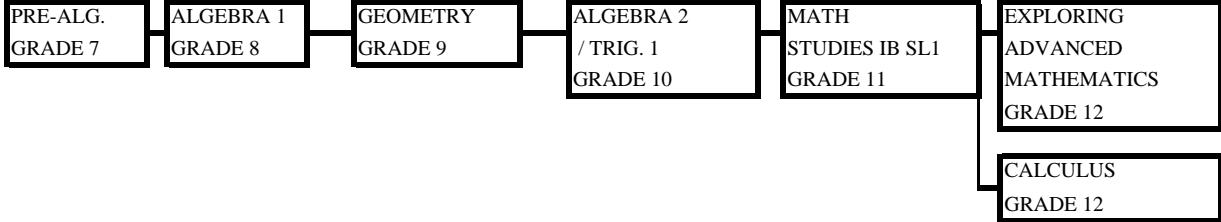
1. Subject requirements for entering freshmen from high school:
  - 2 years: 2 years history/social science including 1 year U.S. History OR 1 semester U.S. History and 1 semester American Government, and 1 year World History, Cultures & Geography from the "a" subject area.
  - 4 years: English - 4 years (only 1 year in 9th grade accepted)
  - 3 years: Mathematics - 3 years (Algebra 1, Geometry, Algebra 2); 4 years recommended.
  - 2 years: Lab Science - 2 years (Biology; Chemistry or Physics; two of the three disciplines are required); 3 years preferred.
  - 2 years: Foreign Language - 2 years of the same language; 3 years preferred.
  - 1 year: Fine Arts - 1 year U.C. approved Fine Arts or Performing Arts is required.
  - 1 year: College Prep. Electives - 1 additional year to be chosen from history, English, advanced math, laboratory science, foreign language, social science, and visual/performing arts.
2. SAT Reasoning Test or ACT test is required for entrance.
3. Two additional tests (SAT Subject Tests in 2 different areas) are also required for UC entrance. Students select from History/Social Studies, English (Literature only), Math (Level 2 only), Science or languages.
4. Entrance is established by an eligibility index which is determined by a combination of the grade point average of a-g courses and test scores (SAT Reasoning Test or ACT and SAT Subject Tests).

**INTERNATIONAL BACCALAUREATE PROGRAM - SEQUENCE OF COURSES LEADING TO DIPLOMA**

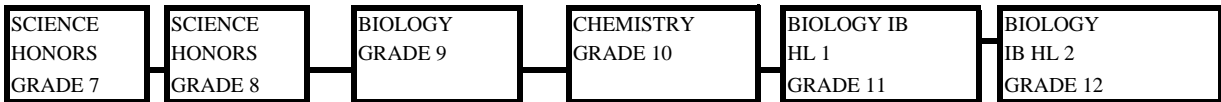
**ENGLISH**



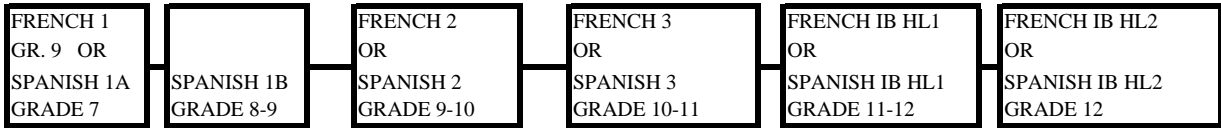
**MATH**



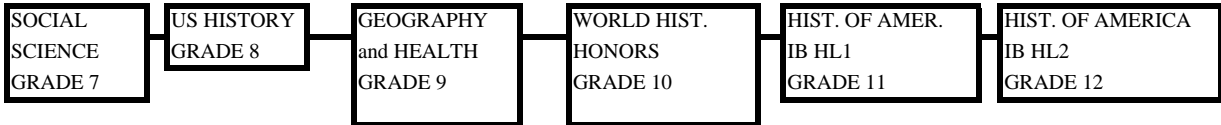
**SCIENCE**



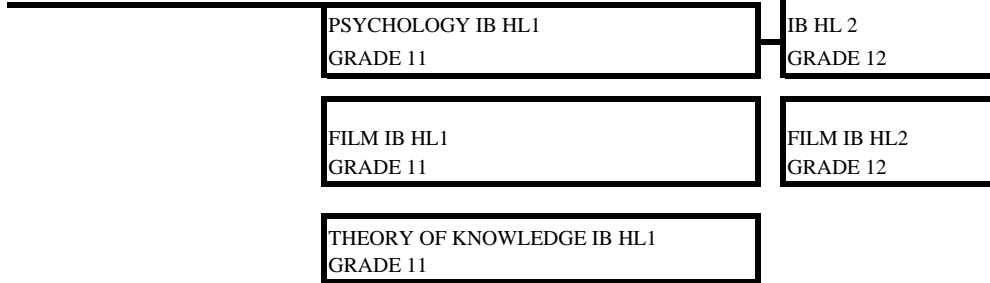
**FOREIGN LANGUAGE**



**HISTORY**



**6TH TESTING AREA**



**YOSEMITE HIGH SCHOOL**

**COURSE SELECTIONS**

**2009-10**

**In several instances throughout this Course Description Book, the prerequisite for a course may indicate that a student must have:**

**"SUCCESSFULLY COMPLETED"**

**a specific course in order to take the course in question. In all instances, the SUCCESSFUL COMPLETION OF A COURSE requires that the student has achieved a grade of "C" or better in the course unless indicated otherwise.**

## ENGLISH

ENGLISH 9 (Meets 9th Grade English Requirement) 9  
(Prerequisite: None required)

This is a comprehensive course structured to develop the full range of English skills - reading, writing, speaking and listening. Emphasis will be placed on standard English and on practical skills. This course will meet the needs of an on-grade level high school student, and it will meet college admissions requirements. This is a UC approved course for English.

ENGLISH 9 HONORS (Meets 9th Grade English Requirement) 9  
(Prerequisite: Reading and writing skills above grade level based on the following criteria: 1) Score on the writing assessment administered by the Yosemite High School English Department (must earn a minimum of 4 on the scoring rubric); 2) “Advanced” score on 7<sup>th</sup> grade CST; 3) 8<sup>th</sup> grade teacher recommendation; 4) “B” minimum for 1<sup>st</sup> semester of 8<sup>th</sup> grade language arts.

This course is designed to develop student writing and reading skills necessary for success in both high school and college. Students will learn how to organize and write paragraphs and essays that coherently support a thesis. Students will also compose various other types of writing - fiction and autobiography, for example. Course assignments will include lessons in sentence structure, writing mechanics, and punctuation. Students will read various genres of literature and learn the terminology necessary to analyze and discuss literature. Vocabulary enhancement exercises and cultural literacy lessons will be an ongoing part of the course. This course is designed to challenge the top English students. This is a UC approved course for English.

ENGLISH 10 (Meets 10th Grade English Requirement) 10  
(Prerequisite: None required)

This is a comprehensive course designed to develop the full range of English skills - reading, writing, speaking and listening. A dual emphasis will be placed on practical, real world skills, and college preparation. Students will be introduced to the different forms of literature, various essay forms, and research projects. Critical thinking skills will be developed and college prep vocabulary will be stressed. This course is designed to meet college admission and is a UC approved course for English.

ENGLISH 10 HONORS (Meets 10th Grade English Requirement) 10  
(Prerequisite: Successful completion of English 9 Honors with a grade of "B" or better or recommendation of previous English instructor)

This course is designed for the strongly committed college-bound student. The students will be involved in progressively advanced sentence, paragraph, and essay writing. Vocabulary development will be emphasized at this level. Students will read selected literature, which will require them to analyze and interpret. Students will increase their knowledge and understanding of literary terms which will help them in their study of classic literature. Emphasis will be placed on critical thinking skills and analytical writing skills. This course is designed to challenge top English students and to prepare them for the IB English exam in grades 11 and 12. This is a UC approved course for English.

ENGLISH 11 (Meets 11th Grade English Requirement) 11  
(Prerequisite: None required)

This is a comprehensive course designed to develop the full range of English skills - reading, writing, spelling, and listening. A dual emphasis will be placed on practical, real world skills, and college preparation. Students will be introduced to the study of American Literature. Critical thinking skills will be developed. This course is designed to meet college admission requirements and is a UC approved course for English

ENGLISH IB HL1 11  
(Prerequisite: Successful completion of English 10 Honors with grade of "B" or better or recommendation from previous English instructor)

Literature of the World is a junior level one-year course emphasizing the study of written language and literary analysis. Students in this course will study literature from all sections of the world as the first year of a two-year Higher Level IB program. Emphasis in the eleventh grade program is on written expression in preparation for the Advanced Placement Language and Composition test. Literature studied is part of the two-year reading list for the Higher Level IB Language program. In their senior year, students will continue preparation for the Higher Level Language exam. In order to be placed in this course, the student must be recommended by his/her previous English instructor. The instructor's evaluation of the student will be based upon a variety of criteria including English grade, writing ability, oral abilities, attitude toward academic study, attendance, and behavior. Students enrolling in this course will be expected to take the IB Higher Level exam during their senior year. This is a UC approved course for English. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

ENGLISH 12 (Meets 12th Grade English Requirement) 12  
(Prerequisite: None required)

This is a comprehensive course designed to develop the full range of English skills - reading, writing, speaking, and listening. A dual emphasis will be placed on practical, real world skills and college preparation. Students will read a variety of classic short stories and plays, and they will use critical thinking skills in writing about the literature. This course is designed to meet college admission requirements. Students will prepare to take placement tests, and they will write resumes, college and personal essays, and research papers. This is a UC approved course for English.

ENGLISH IB HL2 12  
(Prerequisite: Successful completion of English IB HL1 with grade of "B" or better or recommendation of previous English instructor)

World Literature is a senior level, one-year course emphasizing literary analysis. Students in this course will study world literature with an emphasis on The Art of the Novel, poetry, and Shakespearean drama. The twelfth grade course is the second year of preparation for the IB Higher Level Language exam. Students in this course will also be encouraged to take the AP Literature & Composition exam. In order to be placed in this course, the student must be recommended by his/her previous English instructor after completing the Junior level IB course and complete, in full, the summer assignment between the junior and senior years. The instructor's evaluation of the student will be based upon a variety of criteria including English grade, writing ability, oral abilities, attitude toward academic study, attendance, and behavior. Students enrolling in this course will be expected to take the IB Higher Level exam. This is a UC approved course for English. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

CAHSEE LANGUAGE LAB 10-11-12  
(Pre-requisite: Counselor recommendation. This course is being provided for students who have not passed the High School Exit Exam.)

The course will cover skills needed in reading comprehension, language mechanics, and test taking. Students will engage in a variety of activities that promote the needed skills for attacking what they are reading. They will be involved in group discussions and whole class projects to enhance their language skills.

YEARBOOK (Elective Course Only)

\*9-10-11-12

(Prerequisite: Strong writing, graphic art, organizational or photographic skills required and approval of instructor is necessary. An application and writing sample must be submitted to the instructor for approval.  
\*9 grade students must be enrolled in English 9 Honors)

This is a year-long yearbook production course. Students will be responsible for all aspects of yearbook publication. Students will work under the leadership of student editors in the following areas: writing, photography, advertising sales, page design, budgeting, and deadline requirements. Students will have the opportunity to attend yearbook workshops, compete in regional and national contests, work with representatives of yearbook publishing companies, learn word processing and desktop publishing, and practice various marketing techniques. Students may participate in yearbook production for additional years and may apply for editor positions as they gain additional skills and experience.

CREATIVE WRITING (Elective Course Only)

\*9-10-11-12

(Prerequisite: Grade of “C” or better in previous English Class, and/or teacher recommendation, and/or submission of writing samples for teacher evaluation. \*Grade 9 by teacher approval.)

This course is designed to help students develop their writing abilities through exploration of a variety of creative writing genres: poetry, fiction, playwriting, screenwriting, and creative nonfiction. Students will explore and improve their use of the intricacies of language. They will attempt to understand and put into practice the conventions, forms, and literary devices used by effective poets and authors.

JOURNALISM (Elective Course Only)

9-10-11-12

(Prerequisite: Strong writing skills, good organizational skills, ability to work

without supervision, ability to work as part of a team, ability to meet deadlines and to take direction from your peers.

This is a one-year course with dual emphasis on the publication of journalistic writing and the study of modern journalistic literature. Students are responsible for writing several different types of newspaper stories for the school paper. The different story types are: straight news, editorial, and features. For each monthly issue, students will write copy, sell advertising, and complete all tasks necessary for completing production of the newspaper. Readings of modern journalistic writing are also assigned. The same different types of stories that students are required to write are studied. Techniques and conventions of different story types are discussed. Students are also responsible for the production of the school newspaper. Students may participate in newspaper production for additional years and may apply for editor positions as they gain additional skills and experience. This is a UC approved Elective course.



## FINE ARTS

(Prerequisite: Interest in performing arts)

This course is designed to provide training in theatre arts. The art of acting is the primary course of study. Students will learn and perfect skills such as voice and diction, improvisation, movement, characterization, monologue and scene work. Students will also be involved with all other aspects of theatre (directing, lighting, staging, costuming, theme, and blocking). Students will be evaluated on their ability to use these skills in performances on stage, which will include many individual performances and scenes with other students as well as the production of a one-act play. This is a UC approved course for Visual and Performing Arts.

THEATRE ARTS: STAGECRAFT AND PRODUCTION 10-11-12

(Prerequisite: Successful completion of Theatre Arts I or teacher recommendation)

This is a comprehensive course in the art of stagecraft and theatre arts production. Each student will receive training and exposure in all aspects of theatre behind the scenes. Students will design, plan, construct, evaluate, and record in the areas of carpentry, lighting, sound, costuming, make-up, and properties. Students will keep a portfolio in which they will record their planning, progress, and reflection on each project. Once the students have a cursory knowledge of the many arts of stagecraft, they will choose two areas for in-depth study and work in relation to an actual production. During the second semester, two new in-depth projects will give each student a wide range of exposure. Each preliminary unit will be guided by the instructor giving each student a chance to try their hand at the skill. Evaluation of each technique will be oral by instructor and class.

THEATRE ARTS 2 10-11-12

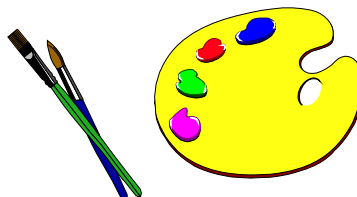
(Prerequisite: Successful completion of Theatre Arts 1 with a grade of "B" or better or teacher recommendation)

This course is designed to further enhance the theatre arts skills of the students who were successful in Theatre Arts 1 and expose students to classical and contemporary drama. Emphasis will be placed on major projects in the areas of improvisation, monologues, scene development, and complete productions. A process called WIP (Work In Progress) will help students explore the depths of realistic characterization demanded by modern theatre. This is a UC approved course for Visual and Performing Arts.

ADVANCED THEATRE ARTS 11-12

(Prerequisite: Successful completion of Theatre Arts 2 and audition with instructor)

This course is designed to provide drama students with a forum to challenge and perform their advanced skills in theatre arts. Most students at this level will be involved in production work and competitive drama. Any advanced theatre arts work will include monologue and scene work in both the contemporary and classical arenas. This class will also incorporate a literature component and exploration of drama theory and theorist. This is a UC approved course for Visual and Performing Arts.



### ART 1

9-10-11-12

(Prerequisite: None required)

This one-year course has been developed to introduce students to the basic ideas and skills of fine art. Every unit of study will include discussion and study of relevant historical information, artists, cultural backgrounds, styles, philosophies, and historical events relating to the unit at hand. Craftsmanship will be heavily stressed and practiced as well as an emphasis on the importance of presentation. Critical art analysis of other artists work as well as their own will be practiced in class and on tests to help students' artistic perception develop. Students will begin to understand what entails good composition and how to better use their information to enhance further personal work. The course will include units on painting and painting styles, drawing, composition, three-dimensional design, photography, color theory, collage, and animation. Students will be evaluated on their daily efforts, class projects, tests, extra credit, discussion and critiquing participation, submission of art into fine arts shows, school display cabinets, and involvement and writings on artistic events they have attended during the year outside of the contained classroom. This is a UC approved course for Visual and Performing Arts.

### ART 2

10-11-12

(Prerequisite: Successful completion of Art 1 or teacher recommendation based on student's art background)

This one-year course has been designed to continue on with more advanced drawing and painting techniques, human anatomy, mature illustrative composition, and color manipulation, extending a smooth transition from Art 1 class knowledge. This class will explore these art elements and principles as it is applied to two and three-dimensional design assignments. This class will also be working with beginning and intermediate sculpture design in the areas of ceramics, jewelry design, conceptual art, and world folk arts. An emphasis will be placed on illustrative composition, originality, extensive variety of media, cultural awareness, development of high quality craftsmanship, and personal interpretation. Each unit will start with historical background and philosophies of the particular art style or the artist that is to be studied. Students will continue to improve their analytical and critical thinking skills laying solid groundwork for conscience aesthetic valuing judgments. Students will be keeping a sketchbook and begin mounting, matting, and photographing their work for a professional portfolio that can be used for AP Art Studio or future job application requirements. This is a UC approved course for Visual and Performing Arts.

## STUDIO ART

11-12

(Prerequisite: Successful completion of Art 2 or teacher recommendation.)

This is a course for the serious art student who wishes to progress on to A.P. Studio Art. Studio Art students will begin work on a portfolio that will be submitted to the Advanced Placement College Board upon completion of their 4<sup>th</sup> year as an art student in AP Studio Art. In Studio Art, students begin their development of the "Quality" and "Breadth" sections of the portfolio. Students who enroll in this course and go on to AP Studio Art will be expected to produce a minimum of 50 works of art in a variety of media, techniques, and subject matter. Under the guidance of the teacher, emphasis is placed on drawing from observation; the application of design elements and principles, the keeping of an art journal/notebook and a sketchbook. The documentation of artwork, recognition of Art History and its role in the development of visual ideas and application of the critique process in written and verbal form is basic. Students are expected to work both in school and at home throughout the school year. All assignments are to be turned in on time and complete. Sketchbooks are to be carried and used on a daily basis. Sketchbooks will be checked intermittently as part of the studio grade. Field trips to museums, galleries, and other cultural venues are considered part of the curriculum. This is a UC approved course for Visual and Performing Arts.

## AP STUDIO ART

12

(Prerequisite: Successful completion Studio Art with a grade of "B" or better or recommendation of previous Art instructor)

AP Studio Art is designed for students who are seriously interested in the practical experience of art. This course is based on the submission of three portfolios for

evaluation at the end of the school year. These portfolios are reviewed by college, university, and secondary school art instructors using rigorous standards. This course encourages creative as well as systematic investigation of formal and conceptual issues. There is an emphasis on making art as an on-going process that involves the student in informed and critical decision-making. It also develops technical skills and familiarizes students with the functions of the visual elements. In addition, the course encourages students to become independent thinkers who will contribute inventively and critically to their culture through the making of art. Through this focus, during the creation of their three portfolios, the students will be concerned with a sense of quality in their work; develop a concentration on a particular visual interest or problem; and will work on breadth of experience in the formal, technical, and expressive means of the artist. Students enrolled in this course will be expected to take the AP exam. This is a UC approved course for Visual and Performing Arts. The course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

### CONCERT CHOIR

9-10-11-12

(Prerequisite: None required)

Concert Choir is a select choir which performs at major school functions and other concert sites. The choir focuses on traditional styles of choral music. Each student will learn basic music theory, basic singing techniques, and common performance knowledge. This choir may participate in festivals and competitions. Students who join this ensemble will be expected to take part in concerts and special rehearsals which may be necessary.

### CHAMBER SINGERS

9-10-11-12

(Prerequisite: Audition)

Chamber Singers is a highly specialized group dedicated to the art of fine choral music. This group is centered around mastering advanced vocal techniques as well as performance of advanced musical styles. The ensemble performs in festivals and competitions. Numerous community and school performances require additional time commitment from members of this active group. Membership is limited. This is a UC approved course for Visual and Performing Arts.

### BEGINNING PERCUSSION

9-10-11-12

(Prerequisite: None required)

Beginning Percussion will provide new musicians with the opportunity to practice and perform musical pieces written specifically for beginning percussion ensembles. Students are taught the fundamentals of music performance including

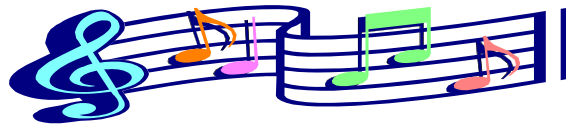
posture, dynamics, tempo, and balance. Performances include in-class testing, recording, and an end-of-the-year concert. This is a UC approved course for Visual and Performing Arts.

### ADVANCED PERCUSSION

9-10-11-12

(Prerequisite: Audition)

Advanced Percussion will provide students with the opportunity to practice and perform musical pieces written specifically for percussion ensembles in a variety of performance settings. These settings may include, but are not limited to, school assemblies, winter and spring concerts, festival performances, and athletic events. A further purpose of the course is to make sure students understand the fundamentals of music theory (major and minor scales, key signatures, intervals) as well as basics of ear training (with an emphasis on rhythmic dictation). Finally, students need to understand the fundamentals of music performance including posture, dynamics, intonation, tempo, articulation, and balance. This is a UC approved course for Visual and Performing Arts.



### CONCERT BAND

9-10-11-12

(Prerequisite: Audition)

Concert Band will provide students with the opportunity to practice and perform easy level music (grade II) in a variety of performance settings. These settings may include, but are not limited to school assemblies, winter and spring concerts, festival performances, and athletic events. A further purpose of the course is to make sure that students understand the fundamentals of music theory (major and minor scales, key signatures, intervals) as well as the basics of ear training (both melodic and chordal dictation and recognition). Students also need to understand basic eras of music (Baroque, Classical, Romantic, 20<sup>th</sup> Century) and the historical context that produced them. Finally, students need to understand the fundamentals of music performance including posture, dynamics, intonation, tempo, articulation, balance, blend, and phrasing. This is a UC approved course for Visual and Performing Arts.

### WIND ENSEMBLE

9-10-11-12

(Prerequisite: Audition)

Wind Ensemble will provide students with the opportunity to practice and perform a higher level of music in a variety of performance settings. These settings may include, but are not limited to, school assemblies, winter and spring concerts, festival performances, and athletic events. A further purpose of the course is to make sure students understand the fundamentals of music theory (major and minor

scales, key signatures, intervals) as well as the basics of ear training (both melodic and chordal dictation and recognition). Students also need to understand basic eras of music (Baroque, Classical, Romantic, 20<sup>th</sup> Century) and the historical context that produced them. Students need to understand the fundamentals of music performance including posture, dynamics, intonation, tempo, articulation, balance, blend, and phrasing. This is a UC approved course for Visual and Performing Arts.

## FOREIGN LANGUAGE



### FRENCH 1

9-10-11-12

(Prerequisite: Successful completion of previous year's English)

This course is designed to introduce the student to the French language. This is a conversation-based course emphasizing communication skills including reading, writing, listening, pronunciation, vocabulary, and speaking. Emphasis is placed on daily use of the spoken language beginning with very short and structured conversations and building to more advanced conversations. Students will also be exposed to the culture of the French-speaking world. An exit exam and/or project will be required. This is a UC approved course for Foreign Language.

### FRENCH 2

9-10-11-12

(Prerequisite: Successful completion of French 1 or teacher recommendation.)

This is a college preparatory course designed for students who have passed with a "C" or better on the Level 1 exit exam or have the consent of the instructor. The course will continue the improvement of Level 1 skills and will introduce new and more complex grammar. There will be an emphasis on developing vocabulary, pronunciation, reading, writing, listening and speaking skills. Short stories and writing will be included, and students will continue to study French culture. An exit exam and/or project will be required. This is a UC approved course for Foreign Language.

### FRENCH 3

10-11-12

(Prerequisite: Successful completion of French 2 or teacher recommendation.)

This is a college prep class designed for those who have passed level 2 with a "C" or better on the exit exam or who have the consent of the instructor. The goals are to develop the ability to communicate orally and in writing, to learn to comprehend brief oral and written texts that are not modified for the language learner, and to participate in oral interaction on a variety of topics. At the same time, we continue to develop more complex grammar, structure, and pronunciation. An exit exam and/or project will be required. This is a UC approved course for Foreign Language.

FRENCH IB HL1

11-12

(Prerequisite: Successful completion of French 3 with a grade of "B" or better or recommendation of previous French instructor)

The purpose of this program is to develop the students' power of expression in French, expand their knowledge of francophone cultures and develop recognition of a range of viewpoints different from their own. This course will focus on groups, leisure, and change in the world around us. Level 4 students will prepare for the Standard Level IB exam (and perhaps the Higher Level). Three major areas of study will be addressed throughout the school year: language development (grammar, vocabulary, oral comprehension, reading comprehension, written expression, and oral expression), literature, and civilization and culture. Students enrolled in this course will take the IB Exam. This is a UC approved course for Foreign Language. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

FRENCH IB HL2

12

(Prerequisite: Successful completion of French IB HL1 with a grade of "B" or better or recommendation of previous French instructor)

The purpose of this program is to develop the students' powers of expression in French, expand their knowledge of Francophone cultures and develop a range of viewpoints different from their own. This course will prepare students for the Higher Level IB French exam. Three major areas of study will be addressed throughout the school year: language development (grammar, vocabulary, oral comprehension, reading comprehension, written expression, and oral expression), literature, civilization and culture. Students enrolled in this course will take the IB exam. This is a UC approved course for Foreign Language. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

SPANISH 1

9-10-11-12

(Prerequisite: Successful completion of previous year's English.)

This course is designed to introduce the student to the Spanish language. The course will emphasize reading, writing and listening skills, pronunciation, vocabulary and conversation. Emphasis is placed on daily use of the spoken language beginning with very short and structured conversations and building to more advanced conversations. Students will also be exposed to the culture of the Spanish-speaking world. An exit exam will be given. This is a UC approved course for Foreign Language.

SPANISH 2

9-10-11-12

(Prerequisite: Successful completion of Spanish 1.)

This is a college preparatory course and is designed for students who have passed with a "C" or better on the Level 1 exit exam. The course will continue the improvement of Level 1 skills and will introduce new and more complex grammar. There will be a continued emphasis on vocabulary, pronunciation, reading, writing, listening and speaking, but at a higher level. Short stories and writing will be included. An exit exam will be given. This is a UC approved course for Foreign Language.

SPANISH 3

10-11-12

(Prerequisite: Successful completion of Spanish 2).

This course is a more in-depth study of the language. Readings will be more complete and more advanced than at previous levels. While all areas studied in Levels 1 and 2 will be covered, emphasis will be given to reading, writing, literature, and discussion topics. This is a UC approved course for Foreign Language.

SPANISH IB HL1

11-12

(Prerequisite: Successful completion of Spanish 3 with a grade of "B" or better or recommendation of previous Spanish instructor)

This course is an advanced study of literature and composition. It is based upon thematic units and will perfect all skills learned previously. Level 4 should prepare students for the Standard IB exam. The course will focus on groups, leisure, and change in the world around us. Students enrolled in this course will be expected to take the IB exam in either their junior or senior year. This is a UC approved course for Foreign Language. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

(Prerequisite: Successful completion of Spanish IB HL1 with a grade of "B" or better or recommendation of previous Spanish instructor)

The purpose of this program is to develop students' powers of expression in Spanish, expand their knowledge of Spanish speaking culture, and develop a range of viewpoints different from their own. This course will prepare students for the Higher Level IB Spanish exam. Three major areas of study will be addressed throughout the school year: language development (grammar, vocabulary, oral comprehension, reading comprehension, written expression and oral expression), literature, civilization and culture. Students enrolled in Spanish IB HL2 are expected to perform at a much higher level than in the IB HL1 level. They write longer essays and study more literary concepts. Students enrolled in this course will be expected to take the IB exam. This is a UC approved course for Foreign Language. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

# MATHEMATICS

## Math Student Placement

Based on:

- 1 Orleans-Hanna Algebra Prognosis Test
- 2 Grades in previous math class
- 3 Teacher recommendation
- 4 Standardized Test Scores
- 5 HSEE

Requirements met:

Class to be taken:

Pass 8th grade algebra 1 and teacher recommendation	Geometry
Pass Orleans-Hanna Algebra Prognosis Test with 76 or higher and teacher recommendation	Algebra 1
Pass Orleans-Hanna Algebra Prognosis Test with 71-75	Algebra 1 with Algebra Support
Students working mathematically at 7th or 8th grade level, Orleans-Hanna of 70 and below	Algebra A
Students working mathematically at or below 6th grade level, Orleans-Hanna of 65 and below	Algebra Prep
Pass Algebra A ("D-" or better or pass semester final)	Algebra B
Pass Algebra B ("D-" or better or pass semester final)	Algebra C
Pass Algebra C ("D-" or better or pass semester final)	Algebra D
Pass Algebra 1 ("C" or better or Algebra D with "C" or better)	Geometry
Pass Geometry ("C" or better)	Algebra 2
Pass Geometry plus teacher recommendation ("B" or better)	Algebra2/Trigonometry
Pass Algebra 2 ("C" or better)	Math Analysis
Pass Math Analysis ("B" or better)	AP Calculus
Pass Algebra 2/Trigonometry ("B" or better)	Math Studies IB SL 1
Pass Math Studies IB SL 1 ("C" or better)	AP Calculus
Need to pass District Proficiency or HSEE	Math Lab
Pass Algebra 2/Trigonometry, Math Analysis, Math Studies IB SL 1, or Calculus with a "C" or better	Exploring Advanced Mathematics

\*\*\* Students failing any math course must retake the course

\*\*\* Students coming from 8th grade should be placed in Algebra 1, Algebra A, Algebra Prep, Geometry, Algebra 2, or Algebra 2/Trigonometry (See above criteria).

\*\*\* Only grades of "A" or "B" are weighted in IB/AP courses.

ALGEBRA PREP 9-10  
(Prerequisite: Math skills at 6.5 level or below and teacher/counselor recommendation)

The Algebra Preparation course will cover review topics from grades 6 through 8 and start working on pre-algebra topics to prepare students to take Algebra A.

ALGEBRA: A 9-10-11  
(Prerequisite: Proficient in math at 7<sup>th</sup> grade level for Algebra A)

ALGEBRA: B 9-10-11  
(Prerequisite: Completion of Algebra A)

ALGEBRA: C 10-11-12  
(Prerequisite: Completion of Algebra A & B)

ALGEBRA: D 10-11-12  
(Prerequisite: Completion of Algebra C)

The two-year course (Algebra A, B, C, D) will cover all California State Algebra 1 standards. The completion of this 2-year course is UC approved as the equivalent for Algebra 1.

ALGEBRA 1 9-10-11-12  
(Prerequisite: Must pass the Algebra Prognosis Test with a score of 76% or better and teacher recommendation)

The classical rudiments of algebra are covered including number concepts and algebraic mechanics and applications. Problem solving skills, logical reasoning processes and the use of the function concept are emphasized. The class will also emphasize study skills and work habits necessary for success in Geometry. This is a UC approved course for Mathematics.

ALGEBRA SUPPORT (Elective Credit)

9-10-11-12

(Prerequisite: Students who have passed the Algebra Prognosis Test with 71-75%.  
Recommendation of Feeder School and/or Algebra teacher.)

Students are provided teacher support to practice Algebra skills. Students will study number concepts, algebraic mechanics and applications, problem solving, logical reasoning and use of functions. The course will also emphasize study skills and work habits necessary for success in Algebra. The teacher will continually assess the class's weak areas in their study of algebra, and provide additional instruction and practice as needed. The course is not a study hall -- the students are to complete their regular homework prior to coming to Algebra Support each day.

Students who successfully complete this support class earn elective credit. This course does not count toward completion of the math graduation requirement. Students may enter and exit at semester.

GEOMETRY

9-10-11-12

(Prerequisite: Successful completion of Algebra 1 or teacher recommendation.)

Students in Geometry will study geometric shapes and their properties, conditional statements and logical arguments, including formal proofs of geometric theorems. The course will teach study skills and work habits appropriate to a college-prep course and will be taught at a pace and depth which will help prepare the students to be successful in Algebra 2 and/or other following college prep courses. Ninth grade students must pass the YHS Algebra Exit Exam prior to enrolling in Geometry. This is a UC approved course for Mathematics.

GEOMETRY SUPPORT (Elective Course Only)

9-10-11-12

(Prerequisite: Recommendation of Geometry teacher.)

Students are provided teacher support to practice Geometry skills. Students will study geometric shapes and their properties, conditional statements and logical arguments, including formal proofs of geometric theorems. The course will also emphasize study skills and work habits necessary for success in Geometry. The teacher will continually assess the class's weak areas in their study of geometry, and provide additional instruction and practice as needed. The course is not a study hall -- the students are to complete their regular homework prior to coming to Geometry Support each day.

Students who successfully complete this support class earn elective credit. This course does not count toward completion of the math graduation requirement. Students may enter and exit at semester.

## ALGEBRA 2

9-10-11-12

(Prerequisite: Successful completion of Algebra 1 and Geometry with grades of "C" or better, or teacher recommendation)

Algebra 2 is a full year course that expands on algebra and geometry concepts. Emphasis is placed on practical applications and abstract thinking skills. Content areas will include solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem, and the complex number system. The course will also emphasize the study habits required for success in college. This is a UC approved course for Mathematics.

## ALGEBRA 2/TRIGONOMETRY

9-10-11-12

(Prerequisite: Successful completion of Algebra 1 and Geometry with a grade of "B" or better or teacher recommendation)

This course prepares the student for IB Math Studies. It covers the material in a normal Algebra 2 course and also covers the rudiments of trigonometry. This is a UC approved course for Mathematics.

## CAHSEE MATH LAB

10-11-12

(Prerequisite: Counselor recommendation. This course is being provided for students who have not passed the High School Exit Exam)

Students will get individual help in the areas needed to help them be successful on the High School Exit Exam (areas could be Algebra 1, review topics, testing strategies, etc.), or prepare them to return to Algebra A, B, C, D.

## PRE-CALCULUS

10-11-12

(Prerequisite: Successful completion of Algebra 2/Trigonometry or Math Analysis and teacher recommendation)

Students in Pre-calculus will prepare for the Calculus. They will study set theory, logic, trigonometry, probability, statistics, vectors, matrix theory, pre-calculus. The course also includes a written project, normally statistical in nature, which shows the student's ability to apply their knowledge of mathematics to the analysis of a realistic problem, and communicate their methods and conclusions clearly, completely, and concisely. The course will teach study skills and work habits appropriate to an honors level course, and will be taught at a pace and depth which will help prepare the students to be successful in the Calculus and/or other following courses.

## EXPLORING ADVANCED MATHEMATICS

10-11-12

Prerequisite: Successful completion of Math Analysis, Algebra 2/Trigonometry, Math Studies or Calculus with a grade of “C” or better or recommendation of previous Math instructor.

This elective introduces complex topics that are challenging and useful for advanced mathematics students. This course enables students to broaden mathematical knowledge and skills related to abstract mathematical topics and to the solving of complex problems. The course demands a substantial commitment of time and effort, and strong mathematical abilities and interests are essential for success.

Critical thinking, problem solving, data analysis, and organization will be stressed. There is a focus on moving fluently back and forth from a variety of algebraic forms to graphing in different coordinate systems in two and three dimensions. Students will solve problems involving vectors and intersection of lines and planes in three-space. Topics also include problem solving, complex numbers, parametric and polar equations, graph theory, modeling, proofs and matrices. An additional topic, if time permits, is Basic Group Theory.

## CONSUMER MATH

11-12

(Prerequisite: Completion of Algebra 1 (ABCD))

This course will cover personal finance. Topics will include employment/income, checking and savings accounts, loans and credit cards, transportation, real estate and housing, taxes, and insurance.

## MATH ANALYSIS

11-12

(Prerequisite: Successful completion of Algebra 1, Geometry, Algebra 2 or Algebra 2/Trigonometry, or teacher recommendation)

Math Analysis is primarily a course in topics in discrete mathematics with some pre-Calculus mathematics included. There is also a short review of basic trigonometry included. Problem solving is emphasized throughout the course. Content includes trigonometric and circular functions and their applications and properties, composition of ordinates, rotary motion, inverse functions, law of sines, law of cosines, areas of triangles, vectors, linear regression, probability and statistics, matrices, conic sections, polynomial and rational functions, limits, and derivatives. The Math Analysis course will give students the background needed to facilitate a smooth transition to college-level Calculus. This is a UC approved course for Mathematics.

## MATH STUDIES IB SL1

11-12

(Prerequisite: Successful completion of Algebra 2/Trigonometry with a grade of "B" or better or recommendation of previous Math instructor)

This course will concentrate on preparing students for the IB Math exams and will cover the topics on the Math Studies exam and the non-calculus portions of the Math Methods (SL) exam. Those topics include set and logic theory, probability and statistics, vectors in 2 and 3 space, permutations, group theory, and pre-calculus. A term paper will be required from each student demonstrating appropriate application of their mathematical skills and that paper will be used as the internal assessment for the IB students. Students enrolled in this course will be expected to take the IB Math Exam at the end of the course. This is a UC approved course for Mathematics. Only grades of A or B are weighted in IB/AP courses.

## AP CALCULUS

11-12

(Prerequisite: Successful completion of Math Analysis/Math Studies IB SL1 with a grade of "B" or better or recommendation of previous Math instructor)

This course provides an introduction to differential and integral calculus. The main topics are number plan and functions, limit, derivative, velocity and acceleration, rules of differentiation, maxima and minima, applications of differentiation, anti-derivative, area, and the definite integral applications. All topics will be presented, applied, and tested in a variety of ways: graphically, numerically, analytically, and verbally. Students enrolled in this course must take the AP Exam. This is a UC approved course for Mathematics. Only grades of A or B are weighted in IB/AP courses.

## **PHYSICAL EDUCATION**

### CORE PHYSICAL EDUCATION

9-10-11-12

(Prerequisite: None required.)

The Physical Education course of study is a four-year requirement for all students who have not passed the Physical Fitness Proficiency. The core course includes both individual and team sports. The units included in the core program are: flag football, pickleball, tennis, volleyball, basketball, weight training, mushball, fitness, badminton, bowling, and softball. This course also includes daily physical fitness. A CPR and First Aid unit is offered in 9th grade. The core program is designed to give students an introduction to lifetime activities, recreational sports and physical fitness activities. The intermediate course is designed to further prepare students for life-long physical activity.

### CALIFORNIA CADET CORPS.

9-10-11-12

(Prerequisite: None required)

This Military Science course will provide students an introduction to the military profession as a career path, in terms of aptitude, skills, and job descriptions. Though no recruiting will be involved, appropriate presentations will be included as part of the curriculum: an overview of the separate branches, respective work cultures and organizational behaviors. Principle of leadership will be formatted along the lines of the California Cadet Corps., a leadership training program for public schools. These revolve around the five Corps. objectives: leadership, academic excellence, citizenship, patriotism, and military knowledge. Students participating in this physical training activity will receive the physical education credit.

(Prerequisite: Teacher recommendation.)

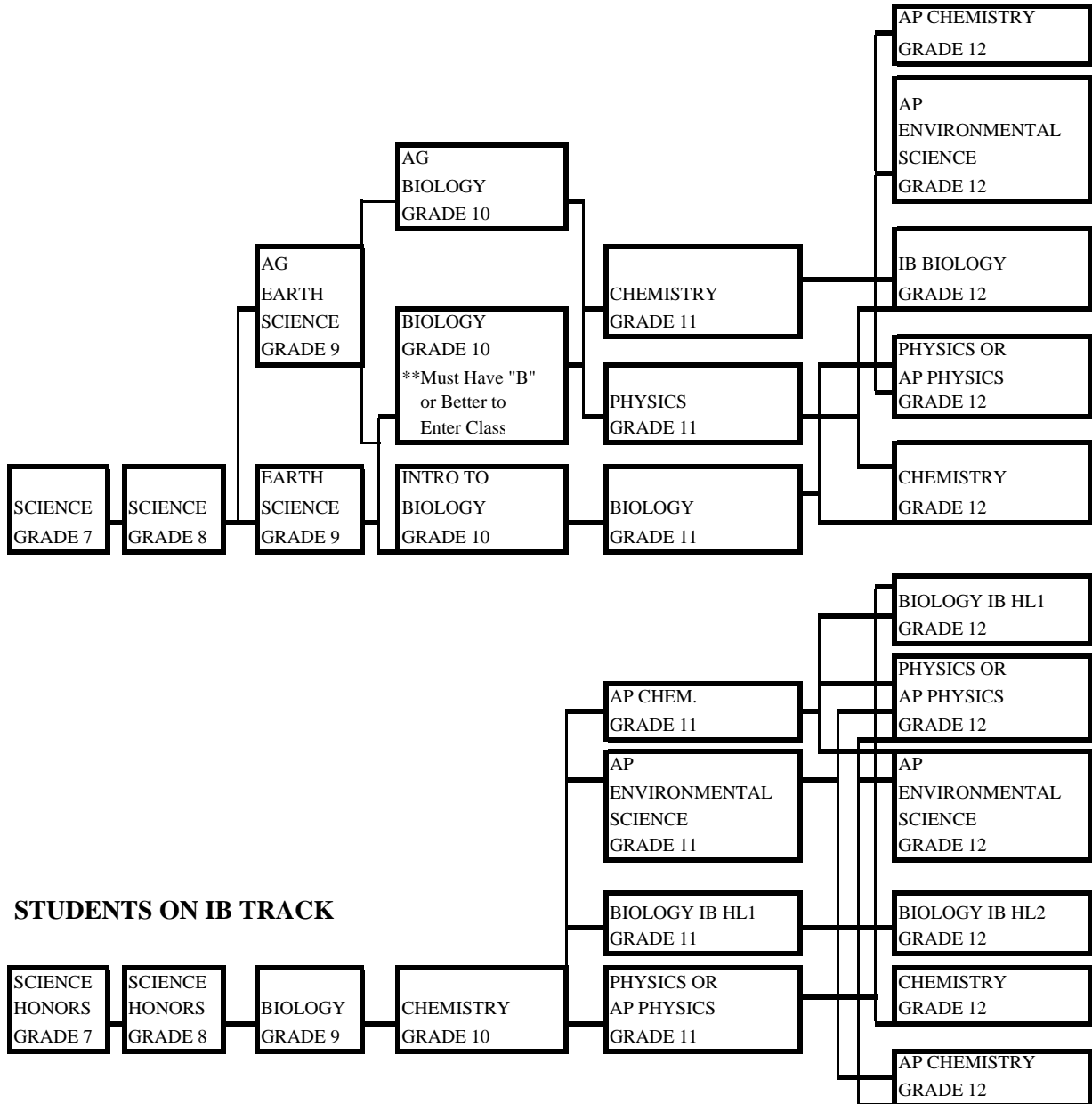
Athletic P.E. is open to students participating in selected varsity sports and subject to approval of their team sport coach and the Athletic P.E. instructor. Enrollment in this program will allow athletes in selected sports to begin practice, with their coach during the last period of the school day. Athletes not currently in season will participate in a structured weight training/conditioning program in the off season. 7th period Athletic P.E. placement is based on the following criteria:

- 1) Freshmen, Junior Varsity, and Varsity athletes who are practicing with their coach during 7th period year-round.
- 2) Athletes who must practice during 7th period due to facility use constraints.
- 3) Athletes who will be impacted academically due to a high number of missed classes (10 or more).
- 4) Placement will be made only after tryouts, when it has been determined that athletes have made a team.
- 5) Failure to make a team will result in removal from 7<sup>th</sup> period Athletic P.E.
- 6) Students must pass 9<sup>th</sup> and 10<sup>th</sup> grade physical education classes to be considered for 7<sup>th</sup> period placement.
- 7) Students currently in 7<sup>th</sup> period P.E. must maintain a “B-“ in the class or risk being removed from 7<sup>th</sup> period P.E.

## SCIENCE

# SCIENCE

## SCIENCE SEQUENCE OF COURSES



Nov. 2008

## EARTH SCIENCE

9-10-11-12

(Prerequisite: None required)

This course is designed as an entry-level science course designed to meet the physical science requirement for high school graduation. The course will focus on the California State Standards of Earth Science, including the areas of meteorology, volcanoes, plate tectonics, and geology.

## AGRICULTURE EARTH SCIENCE

9-10-11-12

(Prerequisite: None required)

This course is the first phase in a sequence of agricultural science. The purpose of this course is to introduce students to the world of agriculture while covering the State Standards for Earth Science. Students will learn fundamentals of human needs, behavior, biology, animal science, plant science, biotechnology, food science, processing, computer use and marketing. In addition, students will participate in leadership training activities and public speaking and will have the opportunity to be a part of FFA. The course will include discussion, lectures, projects, and laboratory investigation. Students who successfully complete Agriculture Earth Science will have fulfilled the Earth Science requirement for graduation.

## BIOLOGY

\*9-10-11-12

(Prerequisite: Successful completion of Earth Science with a grade of "B" or better, or successful completion of Introduction to Biology. Must be concurrently enrolled or have successfully completed Algebra 1 or Algebra C and D. \*Ninth grade students must have 8<sup>th</sup> grade teacher recommendation.)

This course is intended to provide the student with a college preparatory level introduction to cellular, molecular, plant, and animal biology; human anatomy and physiology; classification and diversity of organisms; ecology; evolutionary trends; and scientific investigation. The course will consist of discussion, lectures, and laboratory investigations. This course fulfills the UC requirement for Lab Science.

Students who are successful in this class have good study skills and the ability to manage an average of 30 minutes of biology homework/study time each day. Students should be able to comprehend scientific terminology and abstract concepts. A 10<sup>th</sup> grade reading/writing level and adequate science background are necessary. Indicators of success are standardized test scores in Total Reading and Science at the 50th percentile rank or higher. If scores are below these levels, successful completion of Life Science is recommended. This course fulfills the Life Science requirement for graduation.

## AGRICULTURE BIOLOGY

\*9-10-11-12

(Prerequisite: Successful completion of Ag Earth Science or Earth Science with a grade of "B" or better. Successful completion of Algebra 1 or Algebra C/D or concurrently enrolled. Ninth grade students must have 8<sup>th</sup> grade teacher recommendation.)

Agriculture Biology is a laboratory science course for the college-bound student. The course emphasizes detailed knowledge of the central concepts, principles, and basic factual material of the following topics: molecular and cellular aspects of living things, structure and function of agricultural plants and animals, genetics, plant and animal diversity and principles of classification, ecological relationships, and animal behavior. This course fulfills the UC requirement for Lab Science/Biology.

## INTRODUCTION TO BIOLOGY

10-11-12

(Prerequisite: None required)

This course is designed as an entry-level science course designed to meet the life science requirement for high school graduation. Students who successfully complete this course may advance to Biology the following year. Students will study, in a focused manner, the California State Science Standards of biology, including the areas of molecular biology, genetics, ecology, anatomy, and physiology. This course does not fulfill the UC requirement for Lab Science/Biology.

## CHEMISTRY

10-11-12

(Prerequisite: Successful completion of Algebra 1 and Biology or recommendation of previous Science instructor)

Chemistry is a lecture/lab course in which the beginning student is provided with introductory types of chemistry. There are five themes which unify the study of Chemistry in this course: energy, submicroscopic, conservation, systems, and equilibrium and change. For each major topic covered, there will be a lab to accompany it. Students are expected to be highly motivated, responsible, and disciplined in their work. This course fulfills the Physical Science requirement for graduation and the UC requirement for Physical Science.

## AP CHEMISTRY

11-12

(Prerequisite: Successful completion of Biology, Chemistry and completion of, or concurrent enrollment in, Algebra 2 with a grade of "B" or better or recommendation of previous Science instructor)

This course is designed to be the equivalent of the General Chemistry course usually taken during the first college year. This course enables students second-year work in the chemistry sequence and fulfills one year of the laboratory Physical Science requirement.

Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Students taking the AP Chemistry class will be required to take the AP Chemistry Test at the end of the year. Students who successfully complete the course with a final grade of A or B and take the AP Exam will receive an additional grade point for the course.

## BIOLOGY IB HL1

11-12

(Prerequisites: Successful completion of Biology, Chemistry, and Algebra with a grade of "B" or better or recommendation of previous Science instructor)

Biology IB HL is a 2-year college-level laboratory course, which covers topics normally covered in a first year college course for majors in Biology. Both courses emphasize the use of laboratory equipment and methods of scientific investigation. It is an in-depth study of cellular and molecular biology including structure and function of macromolecules, enzymes, metabolism, cellular organelles, photosynthesis, respiration, membrane ultra structure, mitosis, meiosis, genetics, viruses, protein synthesis, gene expression, DNA technology, mechanisms of evolution, and a laboratory extension project. Indicators of successful performance are that the student has a genuine interest in the biological sciences and has excellent study skills and the ability to manage an average of 45 minutes of homework/study time each day. Students must be able to readily comprehend scientific processes and abstract concepts. College level reading and writing skills are essential. The ability to work with statistics, semilog graphs, and a good understanding of chemistry are important. This course will require the completion of a summer assignment. Students taking Biology IB HL1, followed by Biology IB HL2, will be required to take the IB exam at the end of the second year. Students who successfully complete both Biology IB HL1 and Biology IB HL2 with a final grade of A or B and take the IB exam will receive an additional grade point for each course. This course fulfills the Life Science requirement for graduation and fulfills the UC requirement for Lab Science.

## PHYSICS

11-12

(Prerequisite: Successful completion of, or be concurrently enrolled in, Algebra 2. Student must have strong algebra skills, work well in labs, be personally responsible and highly motivated)

Physics is a lecture/lab course with a strong emphasis on the scientific method utilizing a mathematical approach. The course covers fundamental mathematics and measurement, mechanics, concepts of energy, wave theory, optics, electricity, magnetism, and modern physics. This course fulfills the UC requirement for Lab Science.

## AP ENVIRONMENTAL SCIENCE & TECHNOLOGY

11-12

(Prerequisite: Successful completion of Biology and Chemistry with a grade of “B” or better or recommendation of previous Science instructor)

AP Environmental Science is designed to emphasize to the student the use of ecosystem concept to the student of environmental problems. This will be accomplished by learning basic information regarding interrelations of the ecosystem and applying this information in problem solving. The importance of conservation and preservation will be discussed within the constraints dictated by human development and human needs. Environmental Science is an interdisciplinary science; it embraces a wide variety of disciplines, including geology, biology, earth science, environmental science, chemistry, and geography.

This course should contribute to the development of the students' ability to think clearly and express their ideas, orally and in writing, with clarity and logic. Students will be expected to participate in the reviews and study sessions required by the instructor in preparation for the AP Environmental Exam given in May. A minimum of seven hours per week is expected to be spent by the student in unsupervised reading and study, in addition to the assigned homework and calculations. Additional mandatory labs will be occasionally scheduled beyond the regular class period. Only grades of A or B are weighted in IB/AP courses.

(Prerequisite: Successful completion of Biology, Chemistry, and Algebra.  
College-level reading and writing abilities are required. Deviations  
from prerequisites require teacher recommendation.)

Biology 2 covers the same curriculum as IB Biology 1 and is designed for students who want an additional year of biology curriculum but will not be able to complete the 2-year IB Biology course and will not be taking the external examination. This course covers topics normally included in a first year college course for majors in Biology. The course emphasizes the use of laboratory equipment and methods of scientific investigation. Biology 2 is a brief review of Biology topics and DNA technology; a detailed study of mechanisms of evolution, biological diversity, phylogeny, bacteria, fungi, photosynthesis and respiration; vascular and nonvascular plant and animal anatomy/physiology; ecology; and a laboratory extension project. Indicators of successful performance are that the student has a genuine interest in the biological sciences and has excellent study skills and the ability to manage an average of 45 minutes of homework/study time each day. Students must be able to readily comprehend scientific processes and abstract concepts. College level reading and writing skills are essential. The ability to work with statistics, semilog graphs, and a good understanding of chemistry are important. This course fulfills the Life Science requirement for graduation and fulfills the UC requirement for Lab Science.

This course does not include an additional grade point.

AP PHYSICS (Advanced Placement)

(Prerequisite: Successfully completion of Physics with a grade of "B" or better or  
recommendation of previous Science instructor)

AP Physics is a self-study, college-level class for the motivated students who have successfully completed or are concurrently enrolled in Math Analysis and Physics 1. All students are expected to take the Physics Advanced Placement Exam in the Spring, either upper or lower level. The curriculum is the same as Physics 1 with emphasis on a much higher level of work and more emphasis on electricity, magnetism, and modern physics. This course fulfills the UC requirement for Lab Science. Only grades of A or B are weighted in IB/AP courses.

(Prerequisite: Successful completion of Biology IB HL1 with a grade of "B" or better or recommendation of IB Biology instructor)

Biology IB HL is a 2-year college-level laboratory course, which covers topics normally covered in a first year college course for majors in Biology. Both courses emphasize the use of laboratory equipment and methods of scientific investigation. It is a brief review of Biology IB HL1 topics and DNA technology; a detailed study of mechanisms of evolution, biological diversity, phylogeny, bacteria, fungi, photosynthesis and respiration; vascular and nonvascular plant and animal anatomy/physiology; ecology; and a laboratory extension project. Students enrolled in this course will be expected to take the IB exam in their senior year. Indicators of successful performance are that the student has a genuine interest in the biological sciences and has excellent study skills and the ability to manage an average of 45 minutes of homework/study time each day. Students must be able to readily comprehend scientific processes and abstract concepts. College level reading and writing skills are essential. The ability to work with statistics, semilog graphs, and a good understanding of chemistry are important. This course fulfills the Life Science requirement for graduation and fulfills the UC requirement for Lab Science. This course will require the completion of a summer assignment. Students taking this course will be required to take the IB exam. Students who successfully complete this course with a final grade of A or B and take the IB exam will receive an additional grade point.

## SOCIAL SCIENCE

HEALTH (\*\*Semester Course) 9  
(Prerequisite: None required)

Healthy individuals are essential for an effective society. To achieve optimal health, an individual needs to know what constitutes good health and, more important, they need the motivation necessary to apply that knowledge to daily living. Individuals in today's society should realize that it is important to assume responsibility for their own health as well as for the health of their family and community. Topics to be covered in this course are personal health, family health, mental and emotional health including the study of self-esteem, stress and suicide prevention. It also covers the use and misuse of substances, sexually transmitted diseases including A.I.D.S. and sex education.

\*\*This course will alternate with World Geography/Driver Education at semester.

WORLD GEOGRAPHY/DRIVER EDUCATION (\*\*Semester Course) 9  
(Pre-requisite: None required)

This course will investigate physical, human, and cultural issues as they pertain to the United States, Canada, and the rest of the world.

\*\*World Geography is a 9 week course. Students will take Driver Education for 9 weeks to complete the semester.

\*\*This course will alternate with Health at the semester.

WORLD HISTORY, CULTURES & GEOGRAPHY 10  
(Prerequisite: None required)

This course includes a six week review of World History to 1789, followed by units on Unresolved Problems of the Modern World, The Rise of Democratic Ideas, The Industrial Revolution, The Age of Imperialism, World War I, The Rise of Totalitarianism, World War II, The Cold War, and The Rise of Nationalism. This is a UC approved course for History/Social Science.

## WORLD HISTORY, CULTURES & GEOGRAPHY HONORS

10

(Prerequisite: Concurrent enrollment in English 10 Honors or recommendation of previous English instructor)

This year-long course was developed to cover the California State Standards for sophomore social studies students while also teaching them to write critically and think like a historian. Students will investigate history from differing perspectives, use primary documents, editorial cartoons, and examine the relation between politics and geography. Students will participate in cooperative learning groups and be assessed through activities using the multiple intelligences. The theme of this year-long course is the development of modern democracy through close examination of benchmark events in Western Civilization starting with a short introduction to Ancient Greece and Rome. Students then jump to the 15<sup>th</sup> Century Renaissance and move chronologically through European history investigating types of government, Enlightenment philosophy, the American and French Revolutions, the Industrial Revolution and end the first semester with the New Imperialism in the 19<sup>th</sup> Century. Second semester focuses on World War I, between the wars, World War II, and the Cold War. The last month of class is an examination of the contemporary world.

## UNITED STATES HISTORY

11

(Prerequisite: None required)

This course is a two-semester survey of United States history, with a strong emphasis on the twentieth century. The practical knowledge, study and social skills, and assignments required to successfully complete this course will be acquired by the following methods: text-based reading and written work; individual and group projects; class discussions and participation; written and oral presentations; surveys, polls, poll-taking and analysis; research, structured and independent; first, second, and third person lectures and presentations; simulations and re-enactments; guest speakers, films, videos and recordings. This course is presented in 8 thematic units, organized by decades and/or events. These units are designed to promote student involvement, higher level thinking skills (problem-solving, critical thinking, creative thinking, and application), and practical understanding preparation for further study and use. Successful completion of two semesters or 10 units is necessary for the fulfillment of graduation requirements. This is a UC approved course for History/Social Science.



## HISTORY OF THE AMERICAS IB HL1

11-12

(Prerequisite: Successful completion of English 10 Honors and World History Honors with grades of "B" or better or recommendation of previous History instructor)

International Baccalaureate United States History is an in-depth analysis of United States, Latin American, and Canadian history. Higher level thinking skills and interpretation of United States History will be stressed. Essay writing will be strongly developed. Outside research and reading will be required. This course will move the student towards the IB Higher Level or Standard Level testing in the senior year. This is a UC approved course for History/Social Science. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

## HISTORY OF THE AMERICAS IB HL2

12

(Prerequisite: Successful completion of History of the Americas IB HL1 with a grade of "B" or better or recommendation of previous History instructor)

History of the Americas IB HL2 is the culminating year-long course of the International Baccalaureate History Program. It is a compulsory course for IB students seeking to fulfill either the Higher Level or Standard Level History program. This course covers a selection of 20th Century topics in world history along with comparative government and economics and an in-depth look at American political and economic institutions. The topics include: causes, practices, and effects of wars; nationalist and independence movements, decolonization, and the emergence and problems of new nations; economic developments of the 20th Century; the artist and society; the rise and rule of single party states; the establishment and work of international organizations; religion and politics; East/West relations after 1945; minorities in the 20th Century. This course aims to enrich the cultural, political, economic, geographic, and historical background of students enrolled in the IB Program. An emphasis is placed upon utilizing writing skills and processes for the students, along with development of analytical thinking at an abstract level. In addition, this course will be instrumental in the development of the candidates who have chosen "The Study of Man" as their area for the extended essay. Students enrolled in this course will be expected to take the IB exam at the end of the course. This is a UC approved course for History/Social Science. This course will require the completion of a summer assignment. Only grades of A or B are weighted in IB/AP courses.

AMERICAN GOVERNMENT (\*\* Semester Course)

12

(Prerequisite: None required)

An informed citizenry is needed for participation in the democratic process. American Government discusses issues important in a democratic society. Included will be the following topics: comparative political and economics systems, foundations of American government, analysis of the Constitution, rights and responsibilities of citizens, political participation, effect of public opinion, political parties, interest and pressure groups, how the Congress works, the Presidency, roles and problems of the President, how the American justice system works, federal court system, administration of justice, how the bureaucracy works, history and effect of American economic policy, history and effect of American social policy, federal fiscal and budgetary policy, organization and operation of state government, organization and powers of local government. This is a UC approved course for History/Social Science.

\*\*This course will alternate with Economics at semester.

ECONOMICS (\*\*Semester Course)

12

(Prerequisite: None required)

Economics is the study of how our finite and limited resources are used to satisfy wants. Most economic problems arise from the fact that there is a limited amount of a desired resource. Economists study how the goods and services we demand get produced and how they are distributed. The economic system of the United States will be studied in detail and then compared to the economic systems of other countries. This is a UC approved course for History/Social Science and as an Elective.

\*\* This course will alternate with American Government at semester.

A.P. GOVERNMENT & POLITICS

12

(Prerequisite: Successful completion of U.S. History or History of the Americas IB HL1 with a "B" or better.)

This course explores the political theory and everyday practice of our government and how the government and the people shape the political climate. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of political institutions, groups, beliefs, and ideas that constitute U.S. government and politics. This course will also fulfill the Economics requirement.

## PSYCHOLOGY

11-12

(Prerequisite: None required.)

This is an introductory course in psychology. This course covers a brief history and development of human behavior from infancy to adult. It examines neurotic, psychotic and personality disorders, personality theories, and sexual behavior. Topics to be covered include an introduction to psychology, emotion and motivation, the cycle of life, learning, personality, mental illness and deviation, adolescence and adulthood. This is a UC approved Elective course.

## SOCIOLOGY

11-12

(Prerequisite: None required)

Sociology is an introductory course. This course introduces students to the sociological perspective by defining and illustrating basic sociological concepts. Once students are familiar with concepts such as culture, groups, marriage and family, and social change, they will be prepared to examine, describe, and explain a wide variety of social patterns. Sociologists, in their search for social patterns, focus on groups. Norms, values, status, social ranking and roles are identified as the five basic elements of groups. Students will be asked to use these sociological perspectives to examine situations in their own lives. This is a UC approved Elective course.

## PSYCHOLOGY IB HL1

11-12

(Prerequisite: Successful completion of Algebra 1, a lab science, and English 10 Honors with a grade of "B" or better or recommendation of previous English instructor)

Psychology IB HL1 is a two-semester course in the systematic study of human behavior and experience. Contemporary Psychology, while it contains a variety of approaches, is typically an empirical and scientific discipline. The behavior of both humans and animals is studied by the formulation of precise hypotheses, the use of careful observation and measurement, and the application of statistical methods for the interpretation of data. The major emphasis of study in Psychology 1 will be the study of the four perspectives of psychology: the psychodynamic, behavioral, cognitive, and humanistic-phenomenological. This class will prepare the student for the IB exam in psychology and is meant to be an advanced course to compliment introductory Sociology. One of the three internal assessments (survey) would be required, as well as the theories of social-learning theory and gender. Students enrolled in this course will be expected to take the IB exam during their senior year. This is a UC approved Elective course. Only grades of A or B are weighted in IB/AP courses.

(Prerequisite: Successful completion of Psychology IB HL1 with a grade of "B" or better or recommendation of previous Psychology instructor)

Psychology IB HL2 is a one-year course that completes the systematic study of human behavior and experience. Contemporary Psychology, while it contains a variety of approaches, is typically an empirical and scientific discipline. The behavior of both humans and animals is studied by the formulation of precise hypotheses, the use of careful observation and measurement, and the application of statistical methods for the interpretation of data. The major emphasis of study in Psychology IB HL2 will be the review of the four perspectives of psychology: the psychodynamic, behavioral, cognitive, and humanistic-phenomenological in addition to psychological methodology, ethics, and a study of chosen topic areas. Psychological theories reconsidered to be of value if they enable the psychologist to set up specific hypotheses, which may then be supported or rejected on the basis of empirical test. This class will prepare the student for the IB exam in psychology and is meant to be an advanced course to compliment Psychology IB HL1. Students enrolled in this course will be expected to take the IB exam at the end of the course. This is a UC approved Elective course. Only grades of A or B are weighted in IB/AP courses.

(Prerequisite: Teacher recommendation.)

The compulsory one-year course for all IB diploma candidates is designed to unify the knowledge that the students have acquired during the course of their schooling. It asks the students to pause and reflect on the nature of that knowledge as a whole and put into perspective what they already know. Ultimately, through this reflection, students will perceive the links and similarities between different subjects and learn to think and apply interrelated concepts. Topics to be included are the basis and sources of knowledge, logic, scientific methods and hypothesis, mathematics and reality, moral judgments, political judgments, and aesthetic judgments. This is a UC approved Elective course. Only grades of A or B are weighted in IB/AP courses.

## STUDENT LEADERSHIP

9-10-11-12

(Prerequisite: Class officers and commissioner positions must be elected to positions. Students interested in taking part in student leadership may enroll with approval of the instructor. Students who have not been previously enrolled must complete the application process. Freshmen may also enroll with teacher recommendation.)

This course is designed to teach students skills necessary to become effective leaders. Skills taught include interactive method of meeting management, organization, evaluations, and cooperation. Class members are expected to be directly responsible for the organization and implementation of the majority of the co-curricular activities at Yosemite High School. A substantial amount of time outside of class will be required.

## PEER COMMUNICATIONS

11-12

(Prerequisite: Must be selected through application, recommendation, and interview process)

Peer Communications is designed to teach students skills necessary to become effective peer helpers. These include communication skills, decision-making, goal setting, listening, tutoring techniques, strategies for cross-age helping, reporting obligations, and how to make referrals and utilize community service agencies. Teaching units include alcohol and other drug information, suicide prevention, dealing with stress, understanding family issues, teen pregnancy, and child abuse.

**VOCATIONAL & TECHNICAL EDUCATION  
- AGRICULTURE**

AG MECHANICS/WELDING 1 9-10-11-12  
(Prerequisite: None required)

This course is designed to give students a strong foundation in the use of all basic Ag Shop skills. Tools, materials, and safety will be reviewed when each unit is taught. Proper skills involving hand tools will be stressed. This basic course in mechanics includes woodworking, metals, rope work, cutting and welding, etc.

AG MECHANICS/WELDING 2 9-10-11-12  
(Prerequisite: Successful completion of Ag Mechanics/Welding 1 or teacher recommendation)

This course is designed to give students further understanding of Metal Inert Gas (MIG) welding, arc and oxy-acetylene welding, cutting, and project construction, as well as Tungsten Inert Gas (TIG) welding on mild steel. The students learned the “basics” in Intro to Ag Tech. & Fab. In this course, the student will learn advanced welding techniques, as well as beginning project construction.

R.O.P. AG WELDING PROCESS & PROCEDURES (2-Period Class) 11-12  
(Prerequisite: Completion of 10<sup>th</sup> Grade or 16 years of age. Successful completion of Ag Mechanics/Welding 1 and 2 or teacher recommendation.)

This course emphasizes procedure skills and set-up in welding and fabrication, including non-ferrous metals, in the advanced phases of Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW). The primary emphasis is on setting up equipment for various welding processes through the application of welding procedures. Students learn through project fabrication, repair and industry procedure simulations.

## AGRICULTURE EARTH SCIENCE

9-10-11-12

(Prerequisite: None required)

This course is the first phase in a sequence of agricultural science. The purpose of this course is to introduce students to the world of agriculture while covering the State Standards for Earth Science. Students will learn fundamentals of human needs, behavior, biology, animal science, plant science, biotechnology, food science, processing, computer use and marketing. In addition, students will participate in leadership training activities and public speaking and will have the opportunity to be a part of FFA. The course will include discussion, lectures, projects, and laboratory investigation. Students who successfully complete Agriculture Earth Science will have fulfilled the Earth Science requirement for graduation.

## AGRICULTURE BIOLOGY

\*9-10-11-12

(Prerequisite: Successful completion of Ag. Earth Science or Earth Science with a grade of "B" or better. Successful completion of Algebra 1 or Algebra C/D or concurrently enrolled. \*Ninth grade students must have recommendation of 8<sup>th</sup> grade teacher)

Agriculture Biology is a laboratory science course for the college-bound student. The course emphasizes detailed knowledge of the central concepts, principles, and basic factual material of the following topics: molecular and cellular aspects of living things, structure and function of agricultural plants and animals, genetics, plant and animal diversity and principles of classification, ecological relationships, and animal behavior. This course fulfills the UC Lab requirement for Biology.

## AGRICULTURE - SPECIAL PROJECTS

10-11-12

(Prerequisite: Must have at least one supervised occupational experience project and participate in the FFA program)

This course is by arrangement and takes place before or after school, including weekends, at the site of activity or project. Students are expected to establish and pursue career goals through their FFA activities and Supervised Occupational Experience Program projects. FFA activities include: attending field days, participating in judging contests and showing at the county fairs.

## EQUINE SCIENCE

11-12

(Prerequisite: Successful completion of Ag. Biology)

This course is designed to give the student an in-depth introduction into the field of animal health care and equine science. The student will complete a curriculum which covers breeds, anatomy, nutrition and feeding, conformation faults, diseases, reproduction, behavior, facilities and stable practices, careers, business management, FFA leadership and supervised agricultural experience program.

## R.O.P. EQUINE SCIENCE (2-Period Class)

11-

12

(Prerequisite: Completion of 10<sup>th</sup> Grade or 16 years of age.)

This course is designed to give the student an in-depth introduction into the field of animal health care and equine science. The student will complete a curriculum which covers breeds, anatomy, nutrition and feeding, conformation faults, diseases, reproduction, behavior, facilities and stable practices, careers, business management, FFA leadership and supervised agricultural experience program.

## AGRICULTURE LEADERSHIP

11-12

(Prerequisite: Successful completion of Agriculture Earth Science and teacher recommendation)

This class is a year-long Agriculture Leadership course open to students having completed Ag. Earth Science. Students are required to have a larger participation in FFA and the Supervised Occupational Experience Program. The projects started the previous years will be increased to meet the standards set. The class will focus on the leadership abilities and skills needed for chapter officers and advanced students. Parliamentary Procedure will be emphasized weekly ending with competition in the Spring. Other advanced sectional contests will also be stressed such as banking, cooperatives, record book, and public speaking.

## - COMPUTER TECHNOLOGY

COMPUTER TECHNOLOGY (\*\*Semester Course) 9-10-11-12

(Prerequisite: None required)

Learn to do more than play games and type letters. This course will introduce the students to keyboarding by touch and basic computer skills. Students will learn to use word processing, spreadsheet, presentation, and desktop publishing application. Students will learn critical thinking, cooperative problem solving, organizational skills, and time management. By the end of the course, students will be efficient at using the keyboard and computer and be able to produce professional documents.

This course will alternate with Internet at semester.

INTERNET (\*\*Semester Course) 9-10-11-12

(Prerequisite: None required)

Put the Internet to work for you. Discover the weather in Greenland, visit the Library of Congress, take a virtual tour of a museum, or play a game with a student from Spain. This course will provide practical guidelines for turning the Internet's potential value into real value. Learn where the Internet started and where it is going. Learn to navigate the Web, research topics, evaluate Web pages, use Web browsers, create and use newsgroups, and use e-mail efficiently. Careers, security, and ethical issues will also be explored.

\*\*This course will alternate with Computer Technology at semester.

DIGITAL MEDIA 10-11-12

(Prerequisite: Successful completion of Computer Technology or teacher recommendation. Students may challenge the requirements)

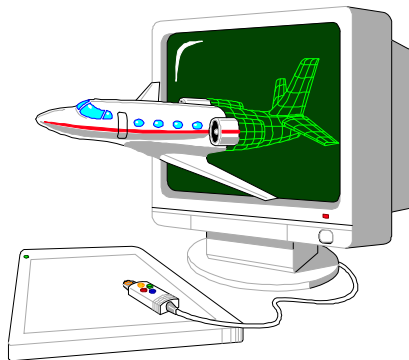
This course will introduce students to an exciting field of digital media. The year will begin with the students learning to navigate the Internet, research topics, use email efficiently. Students will then learn to plan and develop well-designed Web sites that combine effective navigation with the use of graphics, text, and color. They will create web pages using design principles, text editors, HTML coding, and JavaScript. After this introduction to the basics of web page design students will learn to use the premier web page design software Macromedia's Dreamweaver. The course will then continue with the students learning enhance and/or repair their photographs using Adobe Photoshop. Photoshop will enable to students to agglomerate pictures to create new photos or to enhance their web pages. The year will conclude with an introduction to 3-D animation. After web page design the students will also study Web based business and explore local and global Internet marketing. Through this course the students will gain the skills necessary to compete in college and in today's ever changing job market

## ROP PHOTOGRAPHY & MULTI-MEDIA TECHNOLOGY (2-Period Class)

11-12

(Prerequisite: Teacher Recommendation)

This course is designed to train students in introductory and entry-level skills for photographic/multi-media production. It is designed to incorporate the latest technology where the still and the moving images are merged together. Special attention will be given to computer applications of image-development and how to use that image development for multi-media application. Programs such as PowerPoint and Adobe PhotoShop will be emphasized. Students will become skilled in the capturing of images and how to integrate those images into salable productions. There are two major components to this course, one dealing with photography or still images, and the other dealing with video or moving images. This is a UC approved course for Visual and Performing Arts.



## R.O.P. VIDEOGRAPHY, ANIMATION & INTERACTIVE MULTIMEDIA (2 Period Class)

11-12

(Prerequisite: Teacher recommendation.)

This course provides training in videography, 3D graphics and animation and interactive multimedia production. Special attention will be given to the use of Autodesk's 3D Studio, MetaCreations, Bryce 3D, Macromedia's Director, Movieworks, Adobe Premier, and Ulead's Media Studio Pro. Integrated throughout the course are career preparations standards which include a history of various mediums: video, film, film editing, 3D graphics, and animation; communication skills; interpersonal skills; problem solving; safety; technology; and other employment skills. This is a UC approved course for Visual and Performing Arts.

FILM IB HL1 (1 or 2 Period Class)

11-

12

(Prerequisite: Successful completion of English 10 Honors with a grade of "B" or better or recommendation of previous English instructor)

This course offers students the opportunity to develop skills necessary to achieve creative and critical independence in their knowledge, experience, and enjoyment of film. The course will involve the detailed study of film sequences, the study of films and film-making traditions from more than one culture, and the students will develop creative, analytic, and production skills in chosen areas of specialization. Students will be expected to move between close textual analysis of specific scenes and the analysis of films as a whole. The study of film theory and history will round out the curriculum. Students will also learn the overall structure of film making, the nature of the relationships amongst the production team, and the need for discipline and set protocol. This is a UC approved course for Visual and Performing Arts. Only grades of A or B are weighted in IB/AP courses.

This course offers IB Diploma students another choice in the 6<sup>th</sup> testing area. This is a two-year course for IB candidates.

FILM IB HL2 (1 or 2 Period Class)

11-12

(Prerequisite: Successful completion of English 10 Honors with a grade of "B" or better or recommendation of previous English instructor)

This course offers students the opportunity to develop skills necessary to achieve creative and critical independence in their knowledge, experience, and enjoyment of film. The course will involve the detailed study of film sequences, the study of films and film-making traditions from more than one culture, and the students will develop creative, analytic, and production skills in chosen areas of specialization. Students will be expected to move between close textual analysis of specific scenes and the analysis of films as a whole. The study of film theory and history will round out the curriculum. Students will also learn the overall structure of film making, the nature of the relationships amongst the production team, and the need for discipline and set protocol. This is a UC approved course for Visual and Performing Arts. Only grades of A or B are weighted in IB/AP courses.

This course offers IB Diploma students another choice in the 6<sup>th</sup> testing area. This is a two-year course for IB candidates.

EAST (ENVIRONMENTAL AND SPATIAL TECHNOLOGY ) (1 or 2 Period Class) 9-10-11-12

(Prerequisite: Teacher recommendation)

The EAST Lab is a two-semester, 1 or 2 period course in which students will use state of the art computer hardware and software tools and engage in a project-based approach to problem solving. After learning how to use the needed tools and appreciating capabilities, students will work independently and in teams to solve "real world" type problems. Such problems may involve students in one or more of the following areas: office automation, computer-aided design, 3-D modeling, engineering design, architectural design, surveying and mapping (including working with global positioning systems), geographic information systems, Visual Basic programming, database applications, web page design, digital photo/video editing, and visualization applications.

## - CONSUMER & FAMILY STUDIES

### LIFE MANAGEMENT

9-10-11-12

(Prerequisite: None required)

The Life Management course is an introduction to the study of Home Economics Careers and Technology (HECT) and equips students with essential skills for living. This Consumer and Family Studies (CFS) course focuses on teaching students skills for managing personal, family, and work responsibilities and provides a solid foundation for further study in the CFS content areas. It provides students with the opportunity to gain life management skills through leadership and career development (FHA-HERO) activities and through instruction in the seven content areas of food and nutrition, child development, family living and parenting, consumer education, fashion, textiles and apparel, housing and furnishings, and individual and family health. Lab fee required.

### HUMAN GROWTH & DEVELOPMENT (\*\* Semester Course)

10-11-12

(Prerequisite: Successful completion of Life Management and teacher recommendation.)

The changing role of the family unit (for example: the prevalence of dual income families and single parent) has resulted in an even greater need to provide information about raising healthy, happy children. This course teaches prenatal care, child growth and development, learning and self-esteem development, and health care while integrating academic and career-technical concepts.

\*\* This course will alternate with Food, Nutrition, and Meal Management at semester.

### FOOD, NUTRITION, AND MEAL MANAGEMENT (\*\*Semester Course)

(Prerequisite: Life Management and teacher recommendation)

This course offers instruction in nutrition; physical fitness and health; meal planning, preparation, and service; resource conservation; comparison shopping; and other food and nutrition-related decisions while integrating academic and career-technical concepts. Lab fee required.

\*\* This course will alternate with Human Growth & Development at semester.

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Life Management, Human Growth and Development, and teacher recommendation. Excellent attendance record and commitment to program essential.)

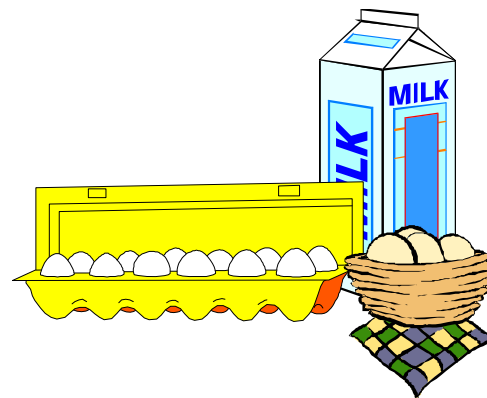
This course is highly recommended for students considering careers in teaching elementary, middle school, preschool, day care, and also for those interested in being a library assistant, instructional aide, social worker, etc., or who have a genuine concern and love for children. The class focuses on personal qualities necessary for the "work field", especially in the educational or child development areas. Yosemite High School students, acting as student teachers, are assigned to a variety of classroom settings. Their duties include; one-on-one tutoring, small group instruction, assessment review, and many other "teaching experiences". In addition, student will explore careers within all areas of education by observing, job shadowing, and mentoring, as well as actively participating in the "community classroom" setting. In addition to fundamental curriculum components, instruction will include job information and application, interviewing, work habits, and ethics. Students will have the opportunity to learn firsthand the benefits of working closely with children of various ages and abilities.

R.O.P. CAREERS IN CULINARY ARTS, FOOD SERVICE, AND HOSPITALITY (2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Life Management; Food, Nutrition, and Meal Management; and teacher recommendation)

This course is designed to introduce the student to the variety of careers related to nutrition, food, and culinary arts. Instruction will include food preparation, the science of food and nutrition, nutrition and health, food safety, meal management, customer relations, and the business aspect of food management.



## - INDUSTRIAL ARTS

### AG MECHANICS/WELDING 1

9-10-11-12

(Prerequisite: None required)

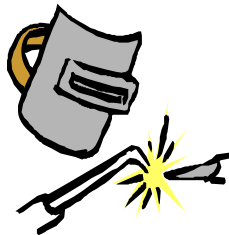
This course is designed to give students a strong foundation in the use of all basic Ag Shop skills. Tools, materials, and safety will be reviewed when each unit is taught. Proper skills involving hand tools will be stressed. This basic course in mechanics includes woodworking, metals, rope work, cutting and welding, etc.

### AG MECHANICS/WELDING 2

9-10-11-12

(Prerequisite: Successful completion of Ag Mechanics/Welding 1 or teacher recommendation)

This course is designed to give students further understanding of Metal Inert Gas (MIG) welding, arc and oxy-acetylene welding, cutting, and project construction, as well as Tungsten Inert Gas (TIG) welding on mild steel. The students learned the “basics” in Intro to Ag Tech. & Fab. In this course, the student will learn advanced welding techniques, as well as beginning project construction.



### R.O.P. AG WELDING PROCESS & PROCEDURES (2-Period Class) 11-12

(Prerequisite: Completion of 10<sup>th</sup> Grade or 16 years of age. Successful completion of Ag Mechanics/Welding 1 and 2 or teacher recommendation.)

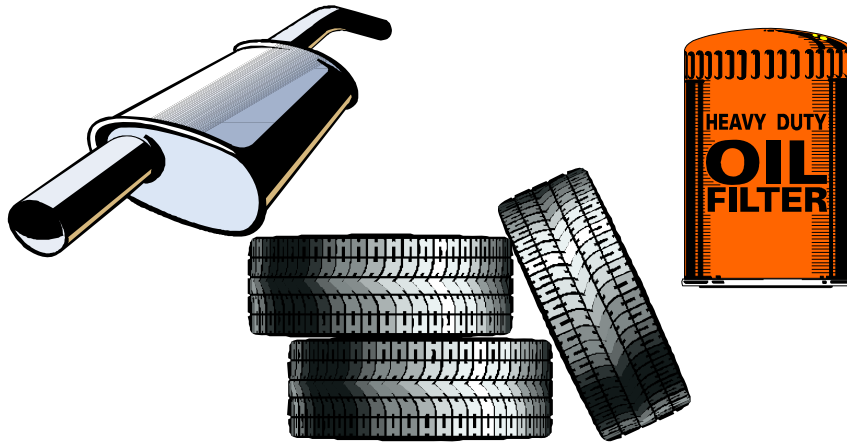
This course emphasizes procedure skills and set-up in welding and fabrication, including non-ferrous metals, in the advanced phases of Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW). The primary emphasis is on setting up equipment for various welding processes through the application of welding procedures. Students learn through project fabrication, repair and industry procedure simulations.

AUTO MECHANICS 1 (Technology)

10-11-12

(Prerequisite: None required. Sophomore students must be 16 years of age by the end of the semester)

The intent of Auto 1 is to present the student a basic working knowledge of how all of the major systems of the modern automobile function and to develop the skills he/she will need to perform routine maintenance and repair. Additionally, the course serves as a base for further study into the field of mechanics and entrance into the trade.



AUTO MECHANICS 2 (Technology)

11-12

(Prerequisite: Successful completion of Auto Mechanics I and teacher recommendation)

The Auto Mechanics 2 course is designed much like ROP Auto except that it is only one hour per day instead of two. The course will cover electrical systems, pollution control, ignition systems, computer systems, and fuel injection.

R.O.P. ENGINE TECHNOLOGY (2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Auto Mechanics 1 or teacher recommendation.)

The R.O.P. Engine Technology course is designed to prepare a student for more advanced training in and/or gain the necessary entry level skills in the automotive field. The course will cover the operational theory and service techniques used in the following areas: brake system, front-end alignment, ignition and electrical systems, pollution control, and precision measurement.

## WOOD 1

9-10-11-12

(Prerequisite: None required)

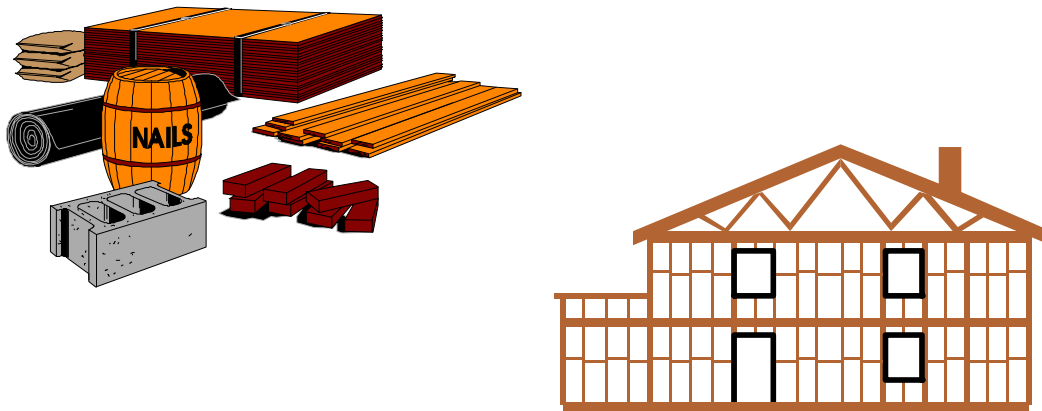
Wood 1 is a basic course in woodworking designed to include the beginning instruction in the use of power equipment. The selection, care, and safe use of hand tools and power tools is stressed to show their importance in the successful completion of projects. The student will construct a joint block, bookrack, cutting board, small piece of furniture (chosen from the approved list), and a student choice project. The scope of the student choice project will reflect the capabilities of the individual student. The complexity of the student choice project will be limited to basic procedures and operations as approved by the instructor.

## WOOD 2

10-11-12

(Prerequisite: Successful completion of Wood 1)

This intermediate course is designed to further the student's skills and knowledge. Students will gain more advanced experiences with wood materials and woodworking power tools and equipment. Instruction will include basic cabinetmaking, intermediate furniture making, joinery and finishing applications, basic machine safety, maintenance, and shop organization and procedures. An emphasis will be placed on designing, drawing, and constructing small pieces of furniture and/or cabinets.



R.O.P. CONSTRUCTION TECHNOLOGY – EXTERIOR (2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Wood 1 or teacher recommendation.)

This course prepares students for the competency skills and knowledge necessary to enter the field of residential and light commercial construction. This year course provides student application at all of the various areas of construction, technology, wood products manufacturing, and exterior building construction. Included in the instruction will be specific applications of the career performance standards.

## VOCATIONAL SERVICE/MISCELLANEOUS PROGRAMS

### LEARNING STRATEGIES

9

(Prerequisite: Recommendation of Counselor)

This year-long course is designed for students who need to improve their learning skills in order to succeed as life-long learners. This course offers instruction in developing a healthy self-concept, using the district adopted Positive Action curriculum which helps students learn that our thoughts, actions, and feelings work in a circle; that those circles are self-reinforcing and are either positive or negative; that we feel good about ourselves when we do positive actions; that we get to choose which circle we want to be in. The course will also focus on learning skills including goals and objectives, attitude, responsibility, motivation, time management and organization, listening skills, note-taking, critical and creative thinking/problem solving, and reading analysis, memory skills and test-taking, as well as job hunting skills.

### CALIFORNIA CADET CORPS.

9-10-11-12

(Prerequisite: None required)

This Military Science course will provide students an introduction to the military profession as a career path, in terms of aptitude, skills, and job descriptions. Though no recruiting will be involved, appropriate presentations will be included as part of the curriculum: an overview of the separate branches, respective work cultures and organizational behaviors. Principle of leadership will be formatted along the lines of the California Cadet Corps., a leadership training program for public schools. These revolve around the five Corps. objectives: leadership, academic excellence, citizenship, patriotism, and military knowledge. Students participating in this physical training activity will receive the physical education credit.

### AVID (Achievement Via Individual Achievement)

9-10-11-12

(Prerequisite: Must be enrolled in a College Prep course of study and have teacher recommendation.)

AVID is a class designed to meet the needs of students who are under-represented in the university system. Many students eligible for AVID come from homes where parents did not attend a university. The AVID student is encouraged and supported through the AVID class to take honors and advanced courses such as Advance Placement and International Baccalaureate classes while in high school. Students will learn of the A –G requirements, how to apply for universities, how to take notes and how to succeed in college prep courses. AVID students will strengthen their basic math, writing, organizational, and test taking skills to meet the needs of challenging course work and prepare them for success in future university classes.

ROP CAREERS IN CRIMINAL JUSTICE (2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age)

This course will provide an overview of careers in criminal justice. Topics covered will include qualifications, training and selection, criminal law, arrest procedures, search and seizure, use of force, investigations, reports, the court system, and correction and juvenile justice.

R.O.P CAREERS IN EDUCATION (2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Life Management, Human Growth and Development, and teacher recommendation. Excellent attendance record and commitment to program essential.)

This course is highly recommended for students considering careers in teaching elementary, middle school, preschool, day care, and also for those interested in being a library assistant, instructional aide, social worker, etc., or who have a genuine concern and love for children. The class focuses on personal qualities necessary for the "work field", especially in the educational or child development areas. Yosemite High School students, acting as student teachers, are assigned to a variety of classroom settings. Their duties include; one-on-one tutoring, small group instruction, assessment review, and many other "teaching experiences". In addition, student will explore careers within all areas of education by observing, job shadowing, and mentoring, as well as actively participating in the "community classroom" setting. In addition to fundamental curriculum components, instruction will include job information and application, interviewing, work habits, and ethics. Students will have the opportunity to learn firsthand the benefits of working closely with children of various ages and abilities.

R.O.P. CAREERS IN CULINARY ARTS, FOOD SERVICE, AND HOSPITALITY

(2-Period Class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age. Successful completion of Life Management; Food, Nutrition, and Meal Management; and teacher recommendation)

This course is designed to introduce the student to the variety of careers related to nutrition, food, and culinary arts. Instruction will include food preparation, the science of food and nutrition, nutrition and health, food safety, meal management, customer relations, and the business aspect of food management.

TEACHER ASSISTANT

11-12

(Prerequisite: Student must have a 2.0+ cumulative grade point average with exemplary behavior and attendance records)

This program will allow the student to assist an instructor with classroom preparation, activities, and assignments. The student is graded on consistency, willingness to work, reliability, and attendance. Students will sign up for the class during registration and will then be placed in a pool and assigned to teachers who have requested assistants. Students are not guaranteed a specific teacher. The student will receive either a “pass” with 5 credits or a “fail” with no credits each semester, and is limited to 30 credits throughout his/her high school career. The student may not be an assistant for more than one teacher each semester.

R.O.P. HEALTH CAREERS (2-period class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age)

This course is designed to provide the student with opportunities to learn transferable skills related to entry-level health occupations, explore career options, and become knowledgeable with post secondary educational requirements as related to such career options. The course introduces the students to health care, placing an emphasis on a set of core skills and knowledge applicable to many health care disciplines; desirable employee attributes and job seeking skills are also addressed. Students will investigate career choices through classroom and worksite learning experiences, including community classroom, job shadowing, tours, guest speakers, etc. Career exploration activities (as related to specific job titles) are dependent on the availability of such opportunities within the district and community. Integrated throughout the course are career preparation standards (e.g., personal and interpersonal skills, problem solving, communication skills, etc.).

R.O.P. EMT 1 (Emergency Medical Technician) (2-period class)

11-12

(Prerequisite: Completion of 10<sup>th</sup> grade or 16 years of age)

This 2-semester course is designed to train students in the techniques and procedures for emergency care and transportation of the sick and injured. This course will meet the standards for entry-level employment in the occupation areas of medical technicians, law enforcement, fire science, and related industries. The successful completion of this course will qualify the student to apply for an EMT certification from the County Health Department, provided they are 18 years of age six months after the date of course completion.



WORK EXPERIENCE - GENERAL (Semester/Year)

11-12

(Prerequisite: Student must be 16 years of age or older and be employed prior to enrollment. Job verification will be required at time of enrollment by completion of a Work Experience Contract. Senior eligibility is as follows:

- Completed a minimum of 200 credits to enroll in two periods for the Fall semester.
- Completed a minimum of 235 credits to enroll in two periods for the Spring semester.
- Completed a minimum of 195 credits to enroll in one period for the Fall semester.
- Completed a minimum of 230 credits to enroll in one period for the Spring semester.

The emphasis of the Work Experience program is "hands-on learning" in the work world. Students gain job skills and training in an entry level position. An underlying objective of the program is to be a successful employee and advance in one's chosen job/career. Further, Work Experience is a course designed to give a student the opportunity to work in the job market for a salary and receive school credit for experience gained. Students will be supervised and be given related assignments in Work Experience education on a regular basis. The employer must carry Workman's Compensation Insurance for all employees in order for the student worker to be eligible for Work Experience. Also, the place of employment must have a public walk in. Credit for the class is variable and will be given as follows:

28 hours = 1 credit up to a maximum of 280 hours (= 10 credits) as long as the classroom assignments are completed and attendance at the meetings is continuous.