

CAREER TECHNICAL EDUCATION PROGRAMS (APPLIED ACADEMICS)

BUSINESS

CRIMINAL & CIVIL LAW (FORMERLY CALLED BUSINESS LAW)

4540 CR/CIVLAW Semester 9-12

This is a very exciting class that will challenge your perspective of law and punishment as we explore controversial cases and issues. Criminal and Civil Law examines the crime and punishment of criminals as well as the civil consequences faced after a crime.

Criminal and Civil Law class also examines torts, individual rights and liberties, contract law and juvenile law.

A field trip to criminal law will occur and there will be guest speakers such as lawyers, a police officer, among others.

ESLRs: 1, 2, 3, 4, 5, 6

Homework Estimate: 2 hours per week

LAW I

4541 LAW I Year 11-12

Law I is a UC recognized class that fulfills the "G" requirement. (see counselor). Law I is an exciting legal course academic course targeting students who may want to consider a career in the legal field. This exciting course takes the students through the criminal justice system, criminal law, Constitutional law, procedural law, adjudication process and a in depth look into landmark court cases. Students also examine the Bill of Rights and how they apply to law.

There are many expert guest speakers, two mock trials, debates and a field trip in this year's course.

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework: 2 hours per week

COMPUTER APPLICATIONS

8598 COMP APPL I Semester 1 9-12

8579 COMP APPL I2 Semester 2 9-12

Prerequisite: Keyboarding skills.

Students can take this course for one semester or a year. This computer application class is a practical course that will assist your everyday computer applications as well as help you prepare for college or a work environment by sharpening your computer skills. The subjects taught in this class include Microsoft Word, Excel, PowerPoint, Windows, Hardware and Internet. This course will have an Internet project. There will be no homework as grades are assessed through projects, papers and class participation.

ESLRs: 1, 2, 7

Homework: None required

WEB PAGE DESIGN

4731 WEBPAGEDES Semester 9-12

Prerequisite: Keyboarding skills.

Credit: 5 credits per semester.

This is a hands-on, interactive course that teaches students to build Web pages and how to post them to the Internet. This course covers the use of Dreamweaver MX, Flash MX, Photoshop 6.0, HTML scripting and beginning CGI scripting. (This course is a more advanced course than offered in middle school, such as JLS.)

Students will learn to create Web pages that are fun and useful. A student in Web Page Design created the Gunn High School Web page. Students also created many teachers' Web pages.

All grade levels can successfully take the course.

ESLRs: 1, 2, 3, 4, 6, 7

Homework: None required

FLASH - PHOTOSHOP CLASS

4913 FLASHPHOTO Semester 9-12

This new semester class teaches students the use of software animation, (Flash Software) and how to edit and enhance photographs using advanced Photoshop skills. Students may take two semesters of this program for credit.

The course teaches two industry standard software's which are used by Web masters to create higher caliber Web sites. (Gunn already owns the software and licenses for Flash and Photoshop.)

This course would target the student who already is Web proficient and wishes to enhance skills used to create commercial Web sites.

At the end of the semester, the student will be able to:

- Proficiently use Flash Software
- Proficiently use Photoshop Software
- Create animation
- Edit, alter and correct photographs
- Create Web sites that are professional and worthy to industry standards
- Increase the students software knowledge
- Increase the students hardware knowledge

The new Flash/Photoshop course will be project oriented and taught in the PC lab.

ESLRs: 1, 2, 5, 6, 7

Homework: None required

VIDEO PRODUCTION 1

1033 VIDEO PROD Fall Semester 9-12

Prerequisite: None

This course provides students with opportunities to work on individual and small group video projects. Workshop methods will be employed to provide students with basic understandings of principles and practices of videography. Students in this course will be expected to develop project treatments, write and rewrite shooting scripts, develop storyboards, film and edit projects. An exhibition of student works will be held each semester.

ESLRs: 1, 2, 4, 6, 7

Homework Estimate: Minimal homework

VIDEO PRODUCTION 2

I034 VIDEO TWO Spring Semester 9-12

Prerequisite: Video Production I

In this course students will investigate advanced techniques of video production: directorial style, script development, camera technique, editing, etc. Evaluation of the aesthetic principles of videography, investigation of selected historical topics, and “hands-on” training in video technique will form the basis of most class sessions. Each semester course will culminate in an exhibition of original student video projects. Students who are approved by the teacher may choose to take this course as independent study.

ESLRs: 1, 2, 4, 6, 7

Homework Estimate: Minimal homework

VIDEO PRODUCTION 3

I029 VIDEO THREE Semester 9-12

Prerequisites: Video Production I, Video Production 2

This advanced course will cover professional video and audio post-production methods. Through project-based assignments students will explore motion graphics for film/television, video compression, color corrections, streaming video for the web, and digital audio. The semester will culminate with an exhibition of student work at the Gunn Film Festival and a digital portfolio.

ESLRs: 1, 2, 4, 6, 7

Homework Estimate: Minimal homework

BROADCAST VIDEO 1 – STUDIO PRODUCTION

I039 BRDCASTVID Year 9-12

Prerequisite: None

This course serves to broadcast campus news and selected features to the Gunn High School community. Workshop methods and “hands-on” training will be employed to provide students with a basic understanding of the principles of broadcast television production and video journalism. This class will meet in zero period from 7:00 a.m. to 8:00 a.m. daily.

ESLRs: 1, 2, 4, 6, 7

Homework Estimate: Minimal homework

BROADCAST VIDEO II – FIELD PRODUCTION

I040 ADBSTVDPRO Year 9-12

Suggested Prerequisite: Video Production I

Broadcast Video II operates as a project-based classroom where collaborative groups will be responsible for creating student produced school video features. All student productions will be broadcast over television and the Web. Basic field video production will be applied to explore various types of programs such as student documentaries, sports, and events. Speaking and interpersonal abilities are integral to this class for interviews and appearances on camera. This course will address the hands-on use of technology, primarily cameras, video editing software, podcasts, and Web streaming.

ESLRs: 1, 2, 4, 6, 7

Homework Estimate: Video productions will require additional time outside of scheduled class period.

HOME ECONOMICS

Experienced and beginning students have the opportunity to use their expertise and learning skills. Each course stands on its own merit and can be taken independently or in combination. The best student projects will be exhibited at various times throughout the semester.

FABULOUS FOODS

5611 FOODS 11 Fall Semester 9-12

If you have a special liking for good food, even if you have never done much more than boil water, this class is for you. If you have had lots of experience in the kitchen but want to stretch your skills, want to explore the why's and how's of delicious foods, this is your course, too. An art as well as a science, good cooking rests on basic principles and skills that have been refined over centuries. These principles and skills are demonstrated and practiced in class in clear, easy steps. Plunge in and have fun! Your family and friends will relish the results while you build your reputation as a terrific cook.

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 4, 5, 6
- Homework: 1-2 hours per week

COOKING AROUND THE WORLD

5612 FOODS 12 Spring Semester 9-12

Join a classroom tour of famous food of the regional United States, Asia, Europe, Africa and more. In addition to selecting, preparing, tasting and enjoying famous dishes typical to each region, you will learn about preparation methods, serving techniques and special equipment specific to the dishes made. If you love to cook and enjoy trying new and different foods, this eighteen-week travelogue of international culinary delights is for you!

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 4, 5, 6
- Homework: 1-2 hours per week

FIBER ARTS

5613 FIBERARTS Semester 9-12

If you like dyeing, painting, and working with fabric, this is the class for you. In this course you will work with many different fibers and fiber applications. A few that will be covered are: quilting, embroidery, fabric painting, and machine appliqué. You will also learn to use the sewing machine to enhance your creativity. This course will allow you to create unique fabrics and craft items. Students are required to provide some materials, especially for the quilt.

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 4, 5, 6
- Homework: 1-2 hours per week

INTERIORS

5851 INTERIOR I Semester 9-12

Do you care about your living environment? Do you want your room and your home to reflect you? In this course you will examine your likes and dislikes and to discover and develop your own personal sense of good taste. You will create your own floor plan, select and arrange furniture, fabrics, and accessories for your "dream home." You will learn architectural and furniture styles, line, design, form, color and texture and be able to combine them into the kind of living environment which best reflects you. You will also develop an ability to decorate on a budget and how to inexpensively change the appearance of a room. Students are required to provide some materials.

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework: 1-2 hours per week

SURVIVAL SKILLS FOR INDEPENDENT LIVING

5874 INDEPENLIV Semester 11-12

What do you know about renting an apartment, buying a computer online, insuring your car, opening a checking account, finding a job? Through this class you will gain self-reliance in all these areas and more, to help bridge the gap from home to “on your own.” You will examine your goals, enabling you to make intelligent decisions about your future. You will learn to take care of your wardrobe, develop an understanding of nutrition and meal planning, credit, banking, insurance, and finding a place to live. You will be ready for successful living in the real world whether you are off to work or to college.

The following outcomes/ESLRs can be addressed through this course:

- ESLRs: 1, 2, 4, 5, 6
- Homework: 1-2 hours per week

NOTE: In recent years there have been insufficient sign-ups to offer this course. If you choose Independent Living as an elective please be sure to indicate an alternate course.

LEARNING TO TEACH A FOREIGN LANGUAGE

4498 TCH FOR LANG Semester 9-12

Students in this class will learn main principles of good second language instruction. They will learn how to plan mini-lessons, develop teaching strategies, and create objectives for these lessons. They will observe foreign language teachers in the department in order to see modeling of good instruction, work with small groups of students at Gunn, and collaborate with teachers at the feeder middle schools and elementary schools. The semester course will culminate with a final project involving teaching a 20-minute lesson in the target language to students at schools in our community. This course is geared for students who are interested in pursuing a career in teaching a second language or one in which a second language is very important. The methods course may also serve as a way for students to keep connected with their foreign language instead of doing an AP course or for those who have finished their foreign language requirement earlier in their high school studies.

COURSES OFFERED IN OTHER DEPARTMENTS THAT MAY BE TAKEN FOR CAREER / TECH. ED. CREDIT

STAGE TECHNOLOGY

1087 STAGE TECH Year 9-12

1088 STG TECHII Semester 9-12

Stage Technology and Design is designed to integrate theoretical and practical knowledge of stage technology and design. Students will study the design and construction of sets, lighting, sound, and costumes, and apply their skills by developing design concepts and mounting productions from a variety of theatrical genres. By assuming vital roles in play productions, students will work effectively in leadership and ensemble situations, and experience the relationship of technical theatre to the theatrical event as a whole. Students will learn to operate theatrical equipment and tools safely, and use these skills to provide technical services for many school stage activities. This course satisfies the Career Technical Education Program requirement and may be repeated for four years.

GRAPHIC DESIGN, COMPUTER ARTS

6262 GRAPH DES Year 10-12

Course Preparation: Art Spectrum, two semesters or equivalent

This course can be used to fulfill the Visual and Performing Arts requirement for the UC and CSU systems. This course can be repeated for credit for three years. Students in the second and third year of the course will focus on more complex problems in package, product, and advertising design, and advanced work will be done on the computer.

This is a beginning level survey course, exploring basic skills, concepts, and history in the visual arts. It is also the foundation course for all other art classes. The curriculum includes both two- and three-dimensional visual arts experiences, with emphasis on the development of technical, imaginative, and critical thinking skills. Lessons in basic drawing, color theory, painting, design, perspective, lettering, ceramics, and sculpture are taught. Additional lessons in architecture or printmaking may be included if time permits. Historical and cultural referencing is integrated into each unit of study. Oral and written reports are required.

District ESLRs addressed in this course:

- ESLRs: 1, 4, 6
- Homework Estimate: 2 hours per week on average

GRAPHIC PUBLICATION (YEARBOOK) BY APPLICATION ONLY

6167 GRPD/YRBK Year 10-12

Suggested Course Preparation: Positions on the graphic production/yearbook staff are awarded through an application-interview process, which occurs between January and February and is announced in the school bulletin. Priority will go to students with prior photography, computer, graphic design, or past yearbook experience. Instructor and editor approval is required in all cases. The graphic production/staff produces the school yearbook; thus, staff members must have the necessary skills. Instruction in computer graphic, layout, design, and copy preparation will be provided during the first quarter. Those applying for a photography position must have successfully completed a beginning photography course and will be required to learn studio lighting for portraiture. All students are required to spend time in addition to class hours working on the book, and each student must sell a certain amount of yearbook advertising, to be determined by budgetary needs. Editorships are awarded to the most qualified students who have served on the yearbook staff.

District ESLRs addressed in this course:

- ESLRs: 1, 6, 7
- Homework Expectation: see course description

ANIMATION IN A VIRTUAL WORLD

3283 ANIMATION Semester 9-12

The student will use the computer to tell stories or write games. It incorporates 3D Sims-quality characters and objects (literally—these will be created by Electronic Arts!) combined with a drag-and-drop programming environment to make interesting animations easy. Along the way, the student will learn about 3D modeling, loops, variables, conditionals, event-based programming, concurrent programming, list processing, storyboarding, and object-oriented programming.

Normal homework load 1-2 hours per week.

ADVANCED JOURNALISM

1453 ADV JOURN Year (By application only)

This course does not meet UC English requirements.

Through such activities as reading and analyzing professional models, interviewing, research and writing, revising and editing, students will demonstrate the mastery of journalistic writing and ethics needed for publication of their work in the school and professional press. Students will acquire the technical skills needed for desktop publishing. At least a B in Non-Fiction Writing is a pre-requisite for this course. The course may be repeated for district graduation credit, but currently has not received approval to substitute UC English elective credit. With approval of the instructor, this course may also satisfy the Career Technical Education requirement.

PROGRAMMING CONCEPTS (COMPUTER SCIENCE 1) REPLACES COMPUTER MATH

2391 PROGCONCPT Semester 10-12

Suggested Course Preparation: Completion of Algebra IA, concurrent enrollment in Algebra IA, or instructor permission.

The purpose is to give the students an introduction to programming basics. At the end of the class, the students should be able to write programs using functional and sequential programming. The student should have knowledge of concepts such as iteration, recursion, data structures, file I/O, and data abstraction.

District ESLRs addressed in this course:

- ESLRs: 1, 2, 5, 6, 7
- Homework/Out of Class Work Estimate: 1 hour per week

PROGRAMMING USING JAVA (COMPUTER SCIENCE 2)

2366 PROGJAVA Semester 10-12

Suggested Course Preparation: Programming Concepts or instructor permission.

The student should finish this course with a basic, working knowledge of how to write simple JAVA programs. The student will learn how to transfer the techniques from Programming concepts to another language. Additional concepts will include an emphasis on object-oriented programming. Graphics, program design, and the distinction between a compiled and interpreted language will also be part of the course.

District ESLRs addressed in this course:

- ESLRs: 1, 2, 5, 6, 7
- Homework/Out of Class Work Estimate: 1 hour per week

DIGITAL ELECTRONICS

3246 DIG ELCT (CTE Credit) Year 9-12

3247 DIG ELCT Year 9-12

Prerequisite: College Preparatory Mathematics (any) is a co-requisite

This course in applied logic encompasses the application of electronic circuits and devices. Students use computer simulation software to design and test digital circuitry prior to the construction of actual circuits and devices. Students will learn the theory as well as the process behind circuit modeling/design and building. Emphasis is placed on project-based and collaborative learning, and will prepare students for the type of thinking and skills required in the electronics and electrical engineering industry. This course closely follows the Project Lead The Way pre-engineering curriculum. The only prerequisite is an interest in the subject and concurrent enrollment in any college preparatory math.

Homework Estimate: 2 hours per week

INDUSTRIAL TECHNOLOGY

AUTOMOTIVE TECHNOLOGY

5043 AUTO I Year / Age 16 (ROP) 11-12

This course assumes no previous knowledge about automobiles and their operational systems.

The course is designed for the owner/driver, and emphasizes the understanding of the operation of automotive components, consumer awareness, preventive maintenance practices, tune-up procedures, elementary trouble analysis, and minor repairs. Approximately 40 percent of the class time is devoted to discussions and demonstrations and 60 percent to related shop activities on shop units and personal automobiles. This is the type of course automobile owners wish they would have taken.

District ESLRs addressed in this course:

- ESLRs: 1, 4, 6, 7
- No homework is assigned for this class but special projects/events may require additional out of class time to complete them.

AUTOMOTIVE TECHNOLOGY

5050 AUTO 2 Year / Age 16 (ROP) 11-12

Suggested Course Preparation: Auto I or permission of the instructor.

Designed for the student who desires more information, experience and proficiency related to automotive operation and repair. Instrument troubleshooting of electrical systems, brake systems and brake service, and suspension systems are but a few of the topics explored in depth in the course. Certain operations and projects are required but adequate time is provided for personal projects and problems. Competent students who wish to be teacher aides or desire further grooming for employment can make special arrangements for a third year with the instructor's permission. They will be classified as teacher aides or special service.

District ESLRs addressed in this course:

- ESLRs: 1, 4, 6, 7
- No homework is assigned for this class but special projects/events may require additional out of class time to complete them.

ENGINEERING TECHNOLOGY (ROP)

8574 ENGN TECH Year 11-12 or consent of instructor
8601 ENGNTech I I Semester 11-12 or consent of instructor

Engineering Technology is a survey course designed to create enthusiasm for the Engineering Careers. This class is a popular elective that is open BY APPLICATION ONLY. Students who are accepted and enroll in Engineering Technology are automatically included in the Gunn Robotics Team. The curriculum is designed to fit the needs of the four-year college bound and the two-year "Tech Prep" students. Conceptual instruction includes student teams learning the classic problem solving cycle through informal classroom competitions. Group dynamics and brainstorming techniques are emphasized. Student teams compete in a variety of national and international problem solving competitions.

Robotics, Basic programming, electronics, computer integrated manufacturing, computer graphics, and AutoCAD design technologies will be explored by all students. Industry standard equipment is available to the students. Scientific principles, mathematical concepts, and communication skills are accentuated on activity-oriented approach.

District ESLRs addressed in this course:

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Out of Class Time: Variable but time commitment increases considerably in the weeks prior to competition.

BIOTECHNOLOGY: THEORY & PRACTICES (ROP)/SCIENCE

3955 BIO TECH Year 11-12

Credit:

- Satisfies University of California entrance "d" requirements for science
- Satisfies high school graduation requirement for Tech Ed/ROP
- Optional units available from Foothill College Biotech Program

Prerequisites: Successful completion of Introductory Biology; completion of or concurrent enrollment in Chemistry.

Strongly Recommended: Concurrent enrollment in Physics, Astronomy, or AP-Biology.

Other students need to discuss eligibility with the instructor.

This course will introduce students to the theoretical aspects of Biotechnology (Cell Biology, Microbiology, Molecular Biology, Immunology) and societal issues arising from this new technology. Hands on laboratory activities will reinforce theoretical information and teach lab safety, data analysis, the scientific method, and related computer skills. This course will include topical speakers from biotechnology industry and research and field trips to visit nearby biotech industry sites and labs. (see course listing in Science)

District ESLRs addressed in this course:

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework Estimate: approximately 3 hours per week and 1 extra hour per week during project time.

OPPORTUNITIES INDUSTRIALIZATION CENTER WEST (OICW)

is a private non-profit organization of long standing existence located in Menlo Park. It is well known for its hands-on approach to technical training. Where implemented, School After School for Successful Youth (SASSY) is an exemplary program with high levels of community support. The method of training and the opportunities provided by OICW match the needs of those students who are at risk of not meeting graduation requirements.

PAUSD and OICW have signed an MOU which will allow for ten (10) PAUSD high school students to participate in their SASSY program and obtain PAUSD credit. The courses offered classes are in the areas of:

- Culinary Arts
- Electronics
- Office Skills
- Desktop Publishing
- Digital Video Editing (10 units of credit each)
- Entrepreneurship and employment training program
- Hypertext Markup Language/Web Page Design (5 units of credit each)

Please contact Dave Hoshiwara for further information 856-0735.

WORK EXPERIENCE

WORK EXPERIENCE EDUCATION PROGRAM

8484 GEN WEEP II (May be taken for a full year) 11-12

Work Experience is a program that combines classroom instruction with part-time student employment. Juniors and seniors are eligible to enroll in this program. Attain your own job (some boundary limits) or the Work Experience teacher will help you find a job. Work Experience students are given the first opportunity to apply and interview for jobs but employment cannot be guaranteed.

Variable credit is based on the number of hours worked during the semester and attending class once a week. Work Experience may be taken without a job for 1.5 credits. Class meets only on Tuesday at Gunn from 6:00-7:00 pm or at Paly from 3:05-4:00 pm. All businesses must comply with labor laws and regulations concerning Workers' Compensation Insurance, Social Security, and Income Taxes. An employer-employee relationship must exist. Work Experience qualifies for the Career Technical Education credit. Sign up for WEEP period H.

For more information see Mrs. Gyves, Work Experience Coordinator in the College and Career Center. 354-8221 or Paly 329-3816.

EXPLORATORY EXPERIENCE

EXPLORATORY EXPERIENCE

8421 EXPL EXPI I Semester 10-12

Exploratory Experience is an unpaid off-campus course that provides students with an opportunity to explore their specific career interests by direct observation and a hands-on experience. Professionals or individuals with established expertise serve as mentors in their specific fields for students in this program. Placement in this program is limited to experiences that are developed through the school district and excludes community organizations such as clubs, private lessons, and non-career focused service. Students are not enrolled until they have met with the coordinator and a suitable post is located. Class time is by arrangement with the coordinator. Exploratory Experience qualifies for Career Technical Education credit. Sign up for Exploratory Experience, period H.

For more information, see or phone the coordinator: 354-8221 or 329-3816.

REGIONAL OCCUPATIONAL PROGRAM (ROP)

The North Santa Clara County Regional Occupational Program is a cooperative technical education effort serving northern Santa Clara County. Courses are offered to high school juniors and seniors 16 years or older. ROP classes expose students to a variety of learning opportunities as they acquire knowledge and skills which could introduce them to possible careers and college majors, or assist them in finding employment/career immediately following high school, or in securing employment to help defray college costs. The free, hands-on training makes learning exciting and fun. ROP courses are offered on local high school and college campuses or at local community sites. All courses grant elective or Career Technical Education Programs graduation credit with many offering community classroom CC (non-paid) or cooperative classroom COOP (paid) on-the-job training. Students register for ROP classes at the same time they fill out their yearly high school class program. Through 2+2 articulation agreements with De Anza and Foothill Colleges, upon the completion of stated competencies, students may move into similar programs with advanced placement status or acquired college credit.

For more information, please contact 868-9333.

ON-CAMPUS ROP COURSES

(See descriptions in Career Technical Education Programs.)

- 5955 Bio Tech**
- 8564 Auto Tech**
- 8574 Engn Tech**
- 8611 Web Page Des**

ROP COURSES

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| Administration of Justice (ROP) | Computer Repair/Maintenance (ROP) |
| Athletic Training/Sports Medicine (ROP) | Computer Aided Design (CAD) (ROP) |
| Automotive Technology (ROP) | Cosmetology (ROP) |
| Biotechnology (ROP) | Culinary Careers (ROP) |
| Careers with Children (ROP) | Desktop Publishing (ROP) |
| Commercial Art and Graphic Design (ROP) | Engineering Technology (ROP) |
| Computer Assisted Accounting (ROP) | Training for Transition/Special Needs (ROP) |
| Computer Information Technology (ROP) | TV/Film/Video (ROP) |
| Computer Networking (ROP) | Web Page Design (ROP) |
| Computer Programming – JAVA (ROP) | |

If you are interested in any of these programs please contact the ROP Coordinator at (650) 868-9333.

OPPORTUNITIES INDUSTRIALIZATION CENTER WEST (OICW)

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PAUSD and OICW have signed an MOU which will allow for ten (10) PAUSD high school students to participate in their SASSY program and obtain PAUSD credit. The courses offered classes are in the areas of:

- Culinary Arts
- Electronics
- Office Skills
- Desktop Publishing
- Digital Video Editing (10 units of credit each)
- Entrepreneurship and employment training program
- Hypertext Markup Language/Web Page Design (5 units of credit each)

Please contact Dave Hoshiwara for further information 856-0735.