Welcome to
Santa Ana College!

We are excited to continue
SAC’s outstanding history and
legacy of success. Our faculty
and staff, academic programs,
and student services are ranked
high in quality among our alumni.
This summer we encourage you
to take advantage of our wide
range of resources available
to help reach your potential in
academics and all areas of life.

The SAC Family looks forward to
serving your educational needs.
See you around campus!

Erlinda J. Martinez, Ed.D

A complete list of classes
available online: sac.edu
**NOTE:**
Please check that your email address is current in your student profile online in order to receive your ID and password.

**Summer hours are Monday–Thursday, 8:00 am–6:45 pm**
Subject to change

---

**STEP ONE:**
To apply to Santa Ana College, complete an application online at [www.sac.edu](http://www.sac.edu). Under the “Study at SAC” heading, click on the “How to Apply” link. After submitting all of your information, you will receive an e-mail confirmation from CCCApply. Within 24 hours, you will receive another e-mail from Santa Ana College with your login information and important registration information. You will be able to log in to [WebAdvisor](http://www.sac.edu) to register for classes.

**STEP TWO:**

**ONLINE REGISTRATION STEPS:**
WebAdvisor is open Monday–Sunday (Please note: The online system will not be available on Saturdays from 2:00 am to 5:00 am).

1. Go to [www.sac.edu](http://www.sac.edu) and click on the “WebAdvisor” link.
2. Click on “Log In” from the Main Menu.
3. Log in (if you forget your password, go back to the Main Menu and click on the “What’s my password?” link).
4. From the Menu, click on the “Student” tab.
5. Click on “Register for Classes” from the Registration Menu.
6. Follow the instructions to complete your registration.
7. Pay immediately to keep your classes.

**ONLINE PRIORITY REGISTRATION DATES:**
Veterans/Foster Youth/CalWORKs/DSPS/EOPS... May 15–June 12
Continuing Students ........................................... May 16–June 12
New Students ..................................................... June 1–June 12
Loss of Priority Registration Students ................. June 8–June 12
CAP High School Students ................................. June 11–June 12

**DROP FOR NON-PAYMENT POLICY**
Enrollment fees must be paid IN FULL within 3 calendar days of registration or all of your classes will be dropped and released to other students. In addition to the 3-day non-payment drop policy, there is a final outstanding balance drop date. No balance will be carried over into the start of the semester. All fees (enrollment and health fees) must be paid in full by the Friday (midnight) before the start of the semester. If there is a balance on your account, your classes will be dropped the next morning (Saturday) regardless of when you registered. There will be no drops for non-payment processed once the semester begins. If you need assistance paying your enrollment fees and would like to apply for a Fee Waiver, go to [www.cccapply.org/BOG Waiver/](http://www.cccapply.org/BOG Waiver/). It is your responsibility to check your account balance and pay the amount owed.

**STUDENT RESPONSIBILITY TO DROP CLASSES**
To avoid a “W” grade, students must drop classes on or before the day of first class meeting. Students will not be automatically dropped for non-attendance. You must drop online. After the first day of the first class meeting, you will not be eligible to receive a refund for your classes nor be exempt from payment.

**WAIT LIST POLICY**
You are not able to wait list more than one section per course. You cannot wait list a course that will conflict with another course. As seats become available, students will be moved into an open seat. You will be notified by email (it is your responsibility to make sure that your e-mail is up-to-date) and will have 3 calendar days to pay for the course or you will be dropped. If your name remains on the wait list, you must attend the first class meeting and obtain the instructor’s approval to add the course (Log in to WebAdvisor often to check your status on the wait list).

**PAY FEES IMMEDIATELY**
Fees must be paid within 3 calendar days of registering for courses or you will be dropped for non-payment. The date that you register counts as the first calendar day.

Pay Online with a credit card at [www.sac.edu](http://www.sac.edu)
Pay in person at the college cashier’s office locations listed on this page. Payment by check, Visa, MasterCard, and Discover are accepted. or mail check or money order to:
Registration, SAC Cashier’s Office, 1530 W. 17th Street, Santa Ana, CA 92706
Registration, SCC Cashier’s Office, 8045 E. Chapman Avenue, Orange, CA 92869
Do not send cash! Make checks payable to “RSCCD” and write your Student ID number on the check.

**Enrollment Fee:** $46.00 per unit. Payment is required of all students upon registering for classes.

**Non Resident Tuition:** $220.00 per unit ($196.00 tuition + $24.00 capitol outlay) in addition to the per enrollment fee for non-resident students. Refer residency questions to the Admissions office.

**Refunds:** Students will be eligible for a refund if they drop their course on or before the day of the first class meeting.

**Material Fee:** Material fee may be required for a course. Check classes online for specific fees.

**Student Photo Identification Card:** $2.50 for College Services: Library, student and instructional services.

**Student Service Fee:** $5.00 for college activities and discounts.

**Parking Fee:** $10.00. A permit is required to park on campus and may be purchased at registration. Motorcycles are exempt in designated parking areas.

**FIRST CLASS MEETING**
Make sure you attend the first class meeting! Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.

**PHOTOGRAPHY:**
Santa Ana College/Santiago Canyon College, a non-profit California Community College, reserves the right to use photography and video images of students and visitors, age 18 and older, taken on our property and at college-sponsored events for marketing and promotional purposes. Objection to the use of an individual’s photograph may be made in writing to Public Affairs and Publications, RSCCD District Office, 2323 N. Broadway, Suite 408, Santa Ana, CA 92706.

---

Can’t find the class you need? It may be waiting for you at

**SANTIAGO CANYON COLLEGE (SCC)**
Classes for both SAC and SCC are listed online
## SCHEDULE OF CLASSES

### ACCOUNTING

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98351</td>
<td>8:00a-12:15p</td>
<td>Tu Th</td>
<td>Robertson M</td>
<td>SAC A-209</td>
<td>06/16-08/06</td>
</tr>
<tr>
<td>98352</td>
<td>6:00p-10:15p</td>
<td>M W</td>
<td>Robertson M</td>
<td>SAC A-209</td>
<td>06/15-08/05</td>
</tr>
</tbody>
</table>

### ACCOUNTING 102, MANAGERIAL ACCOUNTING

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98350</td>
<td>8:00a-12:15p</td>
<td>M W</td>
<td>Alvarado J</td>
<td>SAC A-209</td>
<td>06/15-08/05</td>
</tr>
<tr>
<td>98353</td>
<td>6:00p-10:10p</td>
<td>Tu Th</td>
<td>Phung T</td>
<td>SAC A-209</td>
<td>06/16-08/06</td>
</tr>
</tbody>
</table>

### ANTHROPOLOGY

**ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY**

A cross-cultural survey of the major areas of cultural anthropology including substance patterns, economic and political systems, family and kinship, religion, and cultural change. Also includes contemporary issues facing humankind such as the environment, resource depletion, ethnic conflict, globalization, and warfare. Emphasis is on understanding cultural diversity and cultural universalism.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>97992</td>
<td>8:00a-12:15p</td>
<td>M W</td>
<td>Wood S</td>
<td>SAC VL-301</td>
<td>06/15-07/22</td>
</tr>
<tr>
<td>97998</td>
<td>11:00a-2:10p</td>
<td>Tu Th</td>
<td>Cundiff W</td>
<td>SAC VL-301</td>
<td>06/16-08/06</td>
</tr>
<tr>
<td>97999</td>
<td>6:00p-9:10p</td>
<td>M W</td>
<td>Pascencia M</td>
<td>SAC VL-304</td>
<td>06/15-08/05</td>
</tr>
<tr>
<td>97993</td>
<td>6:00p-10:15p</td>
<td>Tu Th</td>
<td>Pascencia M</td>
<td>SAC VL-301</td>
<td>06/16-07/23</td>
</tr>
</tbody>
</table>

**ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY**

An introduction to humankind's place in nature including evolutionary theory, principles of genetics, primate evolution and behavior, fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes practical application of biological anthropology to human problems.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98007</td>
<td>7:30a-10:40a</td>
<td>M W</td>
<td>Robertson M</td>
<td>SAC VL-204</td>
<td>06/15-08/05</td>
</tr>
<tr>
<td>98008</td>
<td>7:30a-10:40a</td>
<td>Tu Th</td>
<td>Robertson M</td>
<td>SAC VL-204</td>
<td>06/16-08/06</td>
</tr>
</tbody>
</table>

**ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY**

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98009</td>
<td>11:00a-2:10p</td>
<td>M W</td>
<td>Robertson M</td>
<td>SAC VL-204</td>
<td>06/16-08/05</td>
</tr>
<tr>
<td>98010</td>
<td>11:00a-2:10p</td>
<td>Tu Th</td>
<td>Robertson M</td>
<td>SAC VL-204</td>
<td>06/16-08/06</td>
</tr>
</tbody>
</table>

### ART

**ART 100, INTRODUCTION TO ART CONCEPTS**

A study of the visual arts in relation to both personal and cultural expressions. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied. Required for art majors.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>97014</td>
<td>8:00a-12:15p</td>
<td>Tu Th</td>
<td>Soriano I</td>
<td>SAC A-210</td>
<td>06/15-06/23</td>
</tr>
<tr>
<td>98628</td>
<td>10:30a-1:20p</td>
<td>M Tu W</td>
<td>Histetter D</td>
<td>SAC C-104</td>
<td>06/16-07/22</td>
</tr>
<tr>
<td>98627</td>
<td>7:30p-9:40p</td>
<td>M Tu W Th</td>
<td>Marquez P</td>
<td>SAC C-104</td>
<td>07/13-08/06</td>
</tr>
</tbody>
</table>

**ART 104, MEXICAN AND CHICANO ART HISTORY**

The history and appreciation of Mexican and Chicano art from the pre-Columbian to the present including the modern murals of Mexico and the United States.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98629</td>
<td>8:00a-12:15p</td>
<td>M W</td>
<td>Soriano I</td>
<td>SAC A-210</td>
<td>06/15-07/22</td>
</tr>
</tbody>
</table>

**ART 105, HISTORY OF MODERN ART**

History of painting, sculpture, architecture, prints, and applied arts from the late nineteenth century through the twentieth century. Covers the formal, philosophic, spiritual, and historical background of art from Post Impressionism to Post Modernism. For general students and art majors.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98630</td>
<td>7:30a-10:40a</td>
<td>M Tu W Th</td>
<td>Solon D</td>
<td>SAC A-130</td>
<td>07/13-08/06</td>
</tr>
</tbody>
</table>

**ART 130, INTRODUCTION TO DRAWING**

Introductory course in expressive drawing exploring line, form, composition, and a variety of media. Drawing from man-made objects and natural forms. Required for art majors.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98640</td>
<td>6:00p-7:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td>06/15-07/23</td>
</tr>
<tr>
<td>7:25p-10:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ART 230, INTERMEDIATE DRAWING**

Continued study in drawing with additional opportunities in graphic expression. Further exploration of media including colored pencils, oil pastel, charcoal, and mixed media. Continuation of composition concepts with emphasis on individual expression.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98648</td>
<td>6:00p-7:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td>06/15-07/23</td>
</tr>
<tr>
<td>7:25p-10:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ART 233, ADVANCED DRAWING**

To further develop individual graphic expression, students will plan a series of drawing problems to be executed during the semester under the instructor’s direction. Exploration of new materials and techniques. Field trips to artists’ studios and museums.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98649</td>
<td>6:00p-7:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td>06/15-07/23</td>
</tr>
<tr>
<td>7:25p-10:15p</td>
<td>M Tu W Th</td>
<td>Hower T</td>
<td>SAC C-210</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ASTRONOMY

**ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM**

Surveys history of astronomy, recent research and observations of the planets, moons, and other solar system objects. Exploration of light and gravity to understand formation, properties, and motion of Solar System objects.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98448</td>
<td>9:15a-11:20a</td>
<td>M Tu W Th</td>
<td>Staff</td>
<td>SAC R-124</td>
<td>06/15-07/23</td>
</tr>
</tbody>
</table>
### AUTOMOTIVE TECHNOLOGY

#### AUTOMOTIVE TECHNOLOGY 022, ELECTRONICS FUNDAMENTALS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30p-2:45p</td>
<td>M Tu W Th</td>
<td>Hammonds E</td>
<td>SAC-J-102</td>
</tr>
<tr>
<td>6:00p-9:10p</td>
<td>Tu W Th</td>
<td>Serrano, Jr. M</td>
<td>SAC-J-102</td>
</tr>
</tbody>
</table>

#### AUTOMOTIVE TECHNOLOGY 081, FUEL INJECTION SYSTEMS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30a-10:40a</td>
<td>M W</td>
<td>Corona E</td>
<td>SAC-R-128</td>
</tr>
<tr>
<td>2:30p-5:40p</td>
<td>M W</td>
<td>Staff</td>
<td>SAC-R-128</td>
</tr>
</tbody>
</table>

### BIOLOGY

#### BIOLOGY 109, FUNDAMENTALS OF BIOLOGY

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30a-10:40a</td>
<td>M W</td>
<td>Corona E</td>
<td>SAC-R-128</td>
</tr>
</tbody>
</table>

### BUSINESS

#### BUSINESS 100, FUNDAMENTALS OF BUSINESS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-9:10p</td>
<td>M W</td>
<td>Kowsari A</td>
<td>SAC-A-203</td>
</tr>
</tbody>
</table>

#### BUSINESS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00p-10:15p</td>
<td>M Tu W</td>
<td>Staff</td>
<td>SAC-R-201</td>
</tr>
</tbody>
</table>

#### BUSINESS 104, COOPERATIVE WORK EXPERIENCE-GENERAL EDUCATION-GENERAL

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00p-10:15p</td>
<td>M W</td>
<td>Staff</td>
<td>SAC-A-107-5</td>
</tr>
</tbody>
</table>

#### BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-9:10p</td>
<td>M W</td>
<td>Staff</td>
<td>SAC-A-104</td>
</tr>
</tbody>
</table>

#### BUSINESS 120, PRINCIPLES OF MANAGEMENT

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-9:10p</td>
<td>M Tu Th</td>
<td>Carr B</td>
<td>SAC-A-207</td>
</tr>
</tbody>
</table>

#### BUSINESS 125, INTRODUCTION TO INTERNATIONAL BUSINESS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00a-12:15p</td>
<td>M Tu W Th</td>
<td>Hampton J</td>
<td>SAC-R-201</td>
</tr>
</tbody>
</table>

#### BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-10:00p</td>
<td>Tu Th</td>
<td>Grant M</td>
<td>SAC-A-206</td>
</tr>
</tbody>
</table>

#### BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS

<table>
<thead>
<tr>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-10:00p</td>
<td>Tu Th</td>
<td>Shweiri G</td>
<td>SAC-A-203</td>
</tr>
</tbody>
</table>
BUSINESS APPLICATIONS 017, BUSINESS WRITING SKILLS 3.0 UNITS
Comprehensive up-to-date usage of grammar including punctuation, capitalization, number style, spelling, vocabulary development, and other business writing skills. Designed for today’s administrative assistant, secretary, word processor, or other office worker.
Prerequisite: Business Applications 110A with a minimum grade of C.

BUSINESS APPLICATIONS 115A, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT I 1.0 UNIT
Intense review of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboard speed and improve accuracy through prescribed drills and timed writings on computer. Basic proficiency in typing or keyboarding recommended.

BUSINESS APPLICATIONS 115B, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT II 1.0 UNIT
Refinement of letter, number, and symbol typing. Emphasis on individual’s problem keys. Increase keyboard speed and improve accuracy through prescribed drills and timed writings on computer. Recommended for non-native speakers.
Prerequisite: Business Applications 115A with a minimum grade of C.

COMMUNICATION STUDIES 097, BEYOND INSTRUCTIONAL TECHNOLOGY 3.0 UNITS
An intermediate level comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers. Completion of CMDS 298A is required.
Prerequisite: Communications & Media Studies 298A with a minimum grade of C or upon approval of instructor.

COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE 3.0 UNITS
Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues. Completion of or concurrent enrollment in English 101 recommended. Communication Studies 097 recommended for non-native speakers.

COMMUNICATION STUDIES 206, INTERPERSONAL COMMUNICATION 3.0 UNITS
Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations. Communication Studies 097 recommended for non-native speakers.

COMMUNICATION STUDIES 298A, DESIGNING FOR PRINT AND DIGITAL MEDIA 3.0 UNITS
A comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers. Completion of CMDS 298A is required.
Prerequisite: Communications & Media Studies 298A with a minimum grade of C or upon approval of instructor.

FIRST CLASS MEETING
Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.
## COMPUTER SCIENCE

### COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY 3.0 UNITS
An introduction to the area of computers and their relationship to todays information society. Examines a broad overview of topics including hardware, software, networking, information technology, and the Internet. The student will explore the implication and effect of technology on society, careers, and ethics.

**Software Utilized:** MS Office 2010

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98362</td>
<td>8:00a-12:15p</td>
<td>Tu Th</td>
<td>Dahlien N</td>
<td>SAC A-206</td>
<td>06/16/07/23</td>
</tr>
<tr>
<td>98357</td>
<td>12:30p-4:45p</td>
<td>M W</td>
<td>Harding G</td>
<td>SAC A-208</td>
<td>06/15/07/22</td>
</tr>
</tbody>
</table>

### COMPUTER SCIENCE 104, COOPERATIVE WORK EXPERIENCE EDUCATION-OCUPATIONAL 1.0-2.0 UNITS
Supervised paid or volunteer experience in student's major including new or expanded responsibilities. 75 hours of paid work or 60 hours of un-paid work equals one unit. Course may be taken 4 times for a maximum of 16 units of occupational cooperative work experience credit.

Open Entry / Open Exit

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98363</td>
<td></td>
<td>TBA</td>
<td>Kushida C</td>
<td>SAC A-108</td>
<td>06/08/08/06</td>
</tr>
</tbody>
</table>

### EARTH SCIENCE

#### EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE 3.0 UNITS
A survey of the philosophy and history of criminal justice system (law enforcement, courts, corrections); the thinking process; application of critical thinking to complex issues of life. Not open to students who are enrolled or have credit in Geology 101 or Geography 101.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98513</td>
<td>7:30a-10:40a</td>
<td>M Tu W Th</td>
<td>Coyne C</td>
<td>SAC A-130</td>
<td>06/16/07/09</td>
</tr>
<tr>
<td>98519</td>
<td>8:00a-12:35p</td>
<td>M Tu W Th F Sa Su</td>
<td>Coyne C</td>
<td>SAC UO</td>
<td>07/24/08/02</td>
</tr>
</tbody>
</table>

### CRIMINAL JUSTICE

#### CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE 3.0 UNITS
A survey of the philosophy and history of criminal justice system (law enforcement, courts, corrections); processes of justice from detection of crime to parole; evaluation of modern criminal justice delivery systems.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98320</td>
<td>9:00a-1:15p</td>
<td>M W</td>
<td>Gonis Jr A</td>
<td>SAC H-207</td>
<td>06/15/07/22</td>
</tr>
<tr>
<td>98321</td>
<td>9:00a-1:15p</td>
<td>Tu Th</td>
<td>Gonis Jr A</td>
<td>SAC H-207</td>
<td>06/16/07/23</td>
</tr>
<tr>
<td>98322</td>
<td>6:00p-8:10p</td>
<td>Tu Th</td>
<td>Gonis Jr A</td>
<td>SAC H-207</td>
<td>06/16/08/06</td>
</tr>
</tbody>
</table>

### DIESEL

#### DIESEL 062, AIR CONDITIONING AND HEATING 3.0 UNITS
Operation, testing, and servicing of air conditioning and heating systems. Students must furnish hands tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006 (Same as Automotive Technology 062).

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98024</td>
<td>6:00p-9:40p</td>
<td>M Tu W Th</td>
<td>Lopez Garcia L</td>
<td>SAC J-101</td>
<td>06/16/07/23</td>
</tr>
</tbody>
</table>

### CRIMINAL JUSTICE ACADEMIES

#### CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1.0 UNIT
A course designed to prepare the student for the Basic Law Enforcement Academy, CJA 100A. It will include drill, ceremony, physical training, reporting, and speeches.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98003</td>
<td>7:00a-4:00p</td>
<td>Sa</td>
<td>Staff</td>
<td>CJC-SD</td>
<td>06/20/06/27</td>
</tr>
</tbody>
</table>

### ECONOMICS

#### ECONOMICS 120, PRINCIPLES/MACRO 3.0 UNITS
Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors. MAT 080 or 081 is recommended.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98269</td>
<td>8:00a-12:15p</td>
<td>M W</td>
<td>Montes A</td>
<td>SAC I-208</td>
<td>06/16/07/22</td>
</tr>
</tbody>
</table>

#### ECONOMICS 121, PRINCIPLES/MICRO 3.0 UNITS
Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency, consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors. MAT 080 or 081 is recommended.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98275</td>
<td>8:00a-12:15p</td>
<td>Tu Th</td>
<td>Montes A</td>
<td>SAC I-208</td>
<td>06/16/07/23</td>
</tr>
<tr>
<td>98271</td>
<td>6:00p-10:15p</td>
<td>M W</td>
<td>Montes A</td>
<td>SAC I-208</td>
<td>06/16/07/22</td>
</tr>
</tbody>
</table>
### EDUCATION

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98345</td>
<td>6:00p-10:00p</td>
<td>M W</td>
<td>Funakoa M</td>
<td>SAC WEB</td>
<td>06/15-08/06</td>
</tr>
</tbody>
</table>

**SECTION TIME DAY INSTRUCTOR LOCATION DATES**

**ENGINEERING**

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98373</td>
<td>6:00p-10:00p</td>
<td>M W</td>
<td>Gallegos H</td>
<td>SAC WEB</td>
<td>06/15-08/06</td>
</tr>
</tbody>
</table>

**SECTION TIME DAY INSTRUCTOR LOCATION DATES**

**ENGLISH**

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>98023</td>
<td>6:00p-10:15p</td>
<td>M W</td>
<td>Dinh A</td>
<td>SAC VL-303</td>
<td>06/15-08/05</td>
</tr>
</tbody>
</table>

**SECTION TIME DAY INSTRUCTOR LOCATION DATES**

---

**Be connected – stay connected**

Keep up to date on campus news. Connect with friends on campus.

Become a Facebook Fan  
Like us on Facebook  
http://www.facebook.com/SantaAnaCollege  
Follow SAC on Twitter  
http://twitter.com/SantaAnaCollege
ENGLISH FOR MULTILINGUAL STUDENTS

ENGLISH FOR MULTILINGUAL STUDENTS 055, WRITING, GRAMMAR AND READING I 4.0 UNITS
Sentence-level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative paragraphs and journal writing. Review and editing. Basic grammar including verb tenses and modals. Critical reading.
98358 9:00a-1:15p M Tu W Th Baker E SAC I-106 06/15-07/23

ENGLISH FOR MULTILINGUAL STUDENTS 107, WRITING, GRAMMAR AND READING II 4.0 UNITS
Sentence and paragraph-level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative and descriptive paragraphs. Review and editing. Review of basic grammar. Practice with sentence variety. Critical reading.
Prerequisite: EMLS 055 with a minimum grade of C or qualifying profile from ESL placement process.
98359 9:00a-1:15p M Tu W Th Hassel E SAC F-102 06/15-07/23

ENGLISH FOR MULTILINGUAL STUDENTS 109, WRITING, GRAMMAR AND READING III 4.0 UNITS
Paragraph-level writing for multilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.
Prerequisite: EMLS 107 with a minimum grade of C or qualifying profile from ESL placement process.
98360 9:00a-1:15p M Tu W Th Hicks R SAC I-103 06/15-07/23

ENGLISH FOR MULTILINGUAL STUDENTS 110, INTRODUCTION TO THE ESSAY 3.0 UNITS
Introductory writing course for multilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.
Prerequisite: EMLS 109 with a minimum grade of C or qualifying profile from ESL placement process.
98361 6:00p-8:50p M Tu W Th Beasley J SAC VL-104 06/15-07/23

ETHNIC STUDIES

ETHNIC STUDIES 101, INTRODUCTION TO ETHNIC STUDIES 3.0 UNITS
Historical and cultural survey of ethnic groups and relations in the U.S. among European Americans, Native Americans, Asian Pacific Americans, African Americans, and Mexican Americans/Latinos from the pre-Columbian period to the present.
98135 2:30p-5:40p Tu Th Herrera Thomas H SAC I-107 06/16-08/06

FASHION DESIGN MERCHANDISING

FASHION DESIGN MERCHANDISING 052, KNIT SEWING 2.0 UNITS
Knit and stretch construction techniques to sew lingerie, bathing suits, jogging attire and knit shirts.
98326 6:15p-9:55p M W Staff SAC T-201 06/15-08/05

FASHION DESIGN MERCHANDISING 053, INTRODUCTION TO SEWING 2.0 UNITS
Basics in sewing, how to use the sewing machine, understanding pattern terms and tools and constructing basic samples, skirts, and shirts.
98330 6:15p-9:55p M W Staff SAC T-201 06/15-08/05

FASHION DESIGN MERCHANDISING 100, INTRODUCTION TO FASHION 3.0 UNITS
Traces and analyzes the fashion industry, trends, and designers from socio-economic, political, technological, and global influences; emphasis on current fashion careers.
98332 6:00p-10:15p Tu Th Staff SAC T-201 06/16-07/23

FASHION DESIGN MERCHANDISING 105B, INTERMEDIATE SEWING 2.0 UNITS
Follow-up of Fashion Design Merchandising 053 and 105A. Beginning Sewing. Coordination of woven fabrics and pattern fitting in construction of class projects such as pants, dress shirts, and unlined jackets.
98331 6:15p-9:55p M W Staff SAC T-201 06/15-08/05

FIRE TECHNOLOGY

FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION 3.0 UNITS
Survey of career opportunities in fire service and related fields; history of fire protection; fire loss analysis; public, quasi-public and private fire protection services; specific fire protection functions; fire chemistry; and physics.
98635 8:00a-12:15p Tu Th Freeman S SAC W-101 06/16-07/23

FRENCH

FRENCH 101, ELEMENTARY FRENCH 1 5.0 UNITS
A college level French course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation and composition. Supplementary cultural readings. French 101 is equivalent to two years of high school French.
98180 10:15a-12:50p M Tu W Th Colantonio S SAC VL-103 06/15-08/06

GEOGRAPHY

GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY 3.0 UNITS
The study of major world political and natural regions. Course study includes location of the regions on earth, the physical and cultural elements that lend the regions their identities, and ways in which these elements relate to the regions' inhabitants and economies.
98163 2:30p-5:40p M W Conley J SAC VL-110 06/15-08/05

GEOGRAPHY 101, PHYSICAL GEOGRAPHY 3.0 UNITS
Introduction to the physical elements of geography; maps; earth/sun relationships; meteorology and climatology; natural vegetation, soils, and geomorphology.
98164 6:00p-10:15p Tu Th Jones K SAC VL-110 06/16-07/23

GEOLOGY

GEOLOGY 101, INTRODUCTION TO GEOLOGY 3.0 UNITS
Introduces course for students in any major. Study of the internal and external processes that shape the earth (earthquakes, volcanoes, groundwater, streams, landslides). Optional field trip offered. Concurrent enrollment in Geology 101L is recommended.
98515 8:00a-12:15p M W Hughes P SAC R-111 06/15-07/22

GEOLOGY 101L, INTRODUCTION TO GEOLOGY LABORATORY 1.0 UNIT
Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps, and aerial photos.
98516 8:00a-12:15p Tu Th Hughes P SAC R-111 06/16-07/23

GEOLOGY 150, INTRODUCTION TO OCEANOGRAPHY 3.0 UNITS
Introductory study of the ocean and its topography, sediments, circulation, shoreline processes, biological productivity and mineral resources.
98517 12:30p-4:45p Tu Th Hughes P SAC R-111 06/16-07/23

HISTORY

HISTORY 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY 3.0 UNITS
Examines the development of world civilizations and their interrelationships from the earliest beginnings to the sixteenth century. Emphasis on basic ideas, institutions, personalities, religious traditions, and artistic achievements.
98364 12:30p-4:45p M W Ghelfi G SAC I-207 06/15-07/22

HISTORY 102, WORLD CIVILIZATIONS SINCE THE 16TH CENTURY 3.0 UNITS
Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present-day society.
98365 12:30p-4:45p Tu Th Stanley A SAC I-208 06/16-07/23

HISTORY 120, THE UNITED STATES TO 1865 3.0 UNITS
Examines major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through the Civil War.
98366 8:00a-12:15p M W Ghelfi G SAC VL-105 06/15-07/22

HISTORY 121, THE UNITED STATES SINCE 1865 3.0 UNITS
A critical analysis of American history. Includes industrial and technological development, the changing nature of society, cultural developments, domestic politics, and America’s expanded world role.
98368 8:00a-12:15p Tu Th Ghelfi G SAC VL-106 06/15-07/22

HISTORY 127, WOMEN IN U.S. HISTORY 3.0 UNITS
Women of European, African, Native, Hispanic, and Asian backgrounds examined in U.S. 1607-present. Emphasis on individuation, social status, family, reproduction, child care, slavery, jobs, and political activism. Legal impact and theories of patriarchal oppression raised.
98376 8:00a-12:15p Tu Th Veyna A SAC VL-110 06/16-07/23

Online Counseling Now Available!
www.sac.edu/online_counseling

Can’t find the class you need?
It may be waiting for you at Santiago Canyon College!
View SCC’s class schedule at www.sccollege.edu/schedule
Hurry! Class sizes are limited.
HUMAN DEVELOPMENT

HUMAN DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1) 3.0 UNITS
This course examines the major physical, psychosocial, and cognitive/linguistic developmental milestones for children, from conception through adolescence. Using developmental theories and research methodologies, course emphasis will be on the typical and atypical development, maturational processes, and environmental factors. Students will also observe children, evaluate individual differences, and analyze characteristics of development at various stages.

98336 7:15a-10:25a Tu  Valdez S SAC WEB 06/15-08/06
Section 98336 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: http://rsccd.blackboard.com

98337 11:00a-2:10p Tu  Valdez S SAC WEB 06/15-08/05
Section 98337 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: http://rsccd.blackboard.com

HUMAN DEVELOPMENT 110, CHILD, FAMILY, AND COMMUNITY (DS2) 3.0 UNITS
This class examines the developing child in a societal context, focusing on the interrelationship of family, school and community, and emphasizes historical and socio-cultural factors. Socialization processes and identity development that support and empower families by showing the importance of respectful, reciprocal relationships will be explored.

98339 6:00p-9:00p W  Valdez S SAC HYBRID 06/17-07/08
Section 98339 combines online instruction plus mandatory on-campus meetings on Wed, 06/17, 06/24, 07/01, 07/08 from 6pm-9pm, SAC-V-151.
Email instructor first week of class (valdez_susanne@sac.edu).

98340 6:00p-9:00p W  Funakova M SAC HYBRID 07/15-08/05
Section 98340 combines online instruction plus mandatory on-campus meetings on Wed, 07/15, 07/22, 07/29, 08/05 from 6pm-9pm, SAC-V-151.
Email instructor first week of class (funakova_mary@Sac.edu).

KINESIOLOGY ACTIVITIES

KINESIOLOGY ACTIVITIES 123, PERSONAL FITNESS TRAINING 1.0 UNIT
Activity course designed to assist students in mastering effective lifestyles, and nutritional, cardiovascular, and resistance training techniques crucial for personal fitness and personal growth. Goal setting and motivation, time management, stress management, as well as development of an individual fitness routine and execution of that routine are the primary topics.

98509 5:00p-7:05p M W  Jones G SAC WEB 06/16-08/04
7:15p-9:25p M W  Staff SAC-V-151 06/16-08/04
Email instructor first week of class. (jones_geoff@sac.edu)

KINESIOLOGY ACTIVITIES 169A, BEGINNING WRESTLING 1.0 UNIT
Fundamentals of wrestling skills and techniques. Take-downs, escape, analysis of opponents strengths and weaknesses will be considered. Student will master rules, regulations, and ethics of the activity.

98652 7:00p-10:00p M Tu Th  Silva V SAC-W-111 06/15-08/06

KINESIOLOGY ACTIVITIES 170A, BEGINNING YOGA 1.0 UNIT
An exercise program involving postures to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness.

98604 7:30a-9:35a M Tu W Th  Anderson R SAC-W-107 06/15-07/23

KINESIOLOGY ACTIVITIES 211A, BEGINNING BASEBALL 1.0 UNIT
Beginning fundamentals of fielding, throwing and hitting. Includes play situations with an emphasis on team offensive and defensive strategy.

98506 2:15p-4:20p M Tu W Th  Harris B SAC-G-115 06/29-08/06

KINESIOLOGY ACTIVITIES 211B, INTERMEDIATE BASEBALL 1.0 UNIT
Intermediate fundamentals designed to help prepare the student for baseball competition. Students will learn offensive skills, defensive skills, and communication under competitive game conditions.
Prerequisite: Kinesiology Activities 211A with a minimum grade of C.

98883 2:15p-4:20p M Tu W Th  Harris B SAC-G-115 06/29-08/06

KINESIOLOGY ACTIVITIES 220A, BEGINNING BASKETBALL 1.0 UNIT
Co-educational team sport activity which provides basic skills and techniques are refined at the beginner level. Rules, game strategies, and competitive activities are included.

98501 2:15p-4:20p M W  Breig D SAC-G-105 06/29-08/06
4:30p-6:35p Tu Th

98521 4:30p-6:35p M W  Lupmani M SAC-G-105 06/29-08/06
2:15p-4:20p Tu Th

KINESIOLOGY ACTIVITIES 220B, INTERMEDIATE BASKETBALL 1.0 UNIT
Co-educational team sport activity which provides intermediate instruction in the techniques, tactics and strategies associated with competitive basketball. Special emphasis placed on individual skills and skills such as catching, dribbling, passing, shooting, offensive and defensive strategies are utilized as well as competitive play situations.
Prerequisite: Kinesiology Activities 220A with a minimum grade of C.

98578 2:15p-4:20p M W  Breig D SAC-G-105 06/29-08/06
4:30p-6:35p Tu Th

98923 4:30p-6:35p M W  Lupmani M SAC-G-105 06/29-08/06
2:15p-4:20p Tu Th

KINESIOLOGY ACTIVITIES 220C, ADVANCED BASKETBALL 1.0 UNIT
Co-educational team sport activity for students with advanced skills. Review of basic fundamental skills and emphasis on advanced development of skills and strategies associated with competitive basketball.
Prerequisite: Kinesiology Activities 220B with a minimum grade of C.

98579 2:15p-4:20p M W  Breig D SAC-G-105 06/29-08/06
4:40p-6:35p Tu Th

98939 4:30p-6:35p M W  Lupmani M SAC-G-105 06/29-08/06
2:15p-4:20p Tu Th

KINESIOLOGY ACTIVITIES 260A, BEGINNING SOCCER 1.0 UNIT
This course is designed to introduce/better acquaint students to the game of outdoor soccer. Emphasis is placed on techniques, safety, and improving performance.

99119 12:00p-2:05p M Tu W Th  Baquerio J SAC-G-118 06/29-08/06
98557 5:00p-7:05p M Tu W Th  Vasquez J SAC-G-118 06/29-08/06

KINESIOLOGY ACTIVITIES 260B, INTERMEDIATE SOCCER 1.0 UNIT
This course is designed to review and solidify techniques and tactics associated with the game of outdoor soccer. Instruction focuses on improving performance in all aspects of the game: defense, midfield, attack, and special situations.

99120 12:00p-2:05p M Tu W Th  Baquerio J SAC-G-118 06/29-08/06
98954 5:00p-7:05p M Tu W Th  Vasquez J SAC-G-118 06/29-08/06

KINESIOLOGY ACTIVITIES 290A, BEGINNING VOLLEYBALL 1.0 UNIT
Instruction and practice in fundamental skills techniques, strategies, rules, team offense and defense, and team concepts of Volleyball.

98556 6:45p-9:45p M Tu Th  Abbey T SAC-G-105 06/29-08/06

KINESIOLOGY ACTIVITIES 290B, INTERMEDIATE VOLLEYBALL 1.0 UNIT
An intermediate volleyball activities course. Emphasis will be placed on intermediate technical skill development, offensive and defensive systems analysis, and sport specific physical fitness assessment and conditioning activities.

98577 6:45p-9:45p M Tu Th  Abbey T SAC-G-105 06/29-08/06

KINESIOLOGY AEROBIC FITNESS

KINESIOLOGY AEROBIC FITNESS 144A, BEGINNING CROSS TRAINING 1.0 UNIT
This class will be comprised of aerobic workouts designed to introduce the student to the concept of cross training and trying different work-outs. The class will be divided into sections including walking/jog, step training, cardio boxing, weight training, and flexibility work-outs.

98529 7:30a-9:35a M Tu W Th  Sos B SAC-G-115 06/29-08/06

KINESIOLOGY AEROBIC FITNESS 146A, BEGINNING STABILITY BALL 1.0 UNIT
A core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination.

98499 12:00p-2:05p M Tu W Th  Nutter K SAC-W-107 06/15-07/23

KINESIOLOGY AEROBIC FITNESS 146B, INTERMEDIATE STABILITY BALL TRAINING 1.0 UNIT
An intermediate core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination.
Prerequisite: Kinesiology Aerobic Fitness 146A with a minimum grade of C.

98949 12:00p-2:05p M Tu W Th  Nutter K SAC-W-107 06/15-07/23
KINESIOLOGY AERObic FITнесs 156A, BEGINning CARDIO KICKBaGhING 1.0 UNIT
A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics, and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.

Prerequisite: Kinesiology Aerobic Fitness 156A with a minimum grade of C

98492 9:45a-11:50a M Tu W Th Breig D SAC W-107 06/15-07/23
98561 6:00p-8:05p M Tu W Th Howell A SAC W-107 06/15-07/23

KINESIOLOGY AERObic FITнесs 156B, INTERMEDIATE CARDIO KICKBaGhING 1.0 UNIT
A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increase competence in kicking and punching, calisthenics, and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.

Prerequisite: Kinesiology Aerobic Fitness 156A with a minimum grade of C

98880 9:45a-11:50a M Tu W Th Breig D SAC W-107 06/15-07/23
98922 6:00p-8:05p M Tu W Th Howell A SAC W-107 06/15-07/23

KINESIOLOGY AQUATICS 201A, BEGINning SWIMMING 1.0 UNIT
Instruction and experience in the basic stroke techniques and safety procedures of swimming.

98503 12:00p-2:05p M Tu W Th Harris B SAC G-121 06/15-07/23

KINESIOLOGY AQUATICS 201B, INTERMEDIATE SWIMMING 1.0 UNIT
Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training.

Prerequisite: Kinesiology Aquatics 201A with a minimum grade of C.

98884 12:00p-2:05p M Tu W Th Harris B SAC G-121 06/15-07/23

KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING 3.0 UNITS
A comprehensive look at factors that impact people’s health, longevity and lifetime wellness. Areas covered will be personal fitness, nutrition, drugs, alcohol and tobacco, AIDS and sexually transmitted diseases, and degenerative diseases including cancer, heart disease, strokes and diabetes.

98523 4:30p-6:35p M Tu W Th Nyssen A SAC E-102 06/15-07/23

KINESIOLOGY HEALTH EDUCATION 102, WOMEN’S HEALTH ISSUES 3.0 UNITS
An investigation into traditional and holistic health topics with a special emphasis on women’s issues, considering all aspects and concepts of social and political influences, nutrition and fitness, relationships, sexuality, reproductive issues, and careers. Through analysis of these topics, students apply methods to healthy lifestyle choices.

98540 Nutter K SAC WEB 06/15-08/06
Section 98540 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (nutter_kim@sac.edu)

98544 Nutter K SAC WEB 06/29-08/06
Section 98544 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (nutter_kim@sac.edu)

KINESIOLOGY HEALTH EDUCATION 112B, BEGINNING CIRCUIT TRAINING 1.0 UNIT
An introduction to fundamental principles and practices of circuit training including: safety, using cardiovascular and resistance machines, and components of exercise. This course provides the basis of a comprehensive exercise program that combines cardiovascular exercises with strength training.

99124 7:30a-9:35a M Tu W Th Luppani M SAC E-102 06/15-07/23
99132 9:45a-11:50a M Tu W Th Nynssen A SAC E-102 06/15-07/23
98488 12:00p-2:05p M Tu W Th Breig D SAC E-102 06/15-07/23
99137 4:40p-6:35p M Tu W Th Staff SAC E-102 06/15-07/23

KINESIOLOGY HEALTH EDUCATION 112B, INTERMEDIATE CIRCUIT TRAINING 1.0 UNIT
A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistance strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment.

Prerequisite: Kinesiology Fitness 112A with a minimum grade of C or Kinesiology Fitness 110A with a minimum grade of P.

99126 7:30a-9:35a M Tu W Th Luppani M SAC E-102 06/15-07/23
99134 9:45a-11:50a M Tu W Th Nynssen A SAC E-102 06/15-07/23
98881 12:00p-2:05p M Tu W Th Breig D SAC E-102 06/15-07/23
99137 4:40p-6:35p M Tu W Th Staff SAC E-102 06/15-07/23

KINESIOLOGY HEALTH EDUCATION 112C, ADVANCED CIRCUIT TRAINING 1.0 UNIT
An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc.), and resistance machines. This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body’s adaptation to exercise.

Prerequisite: Kinesiology Fitness 112B with a minimum grade of C or Kinesiology Fitness 110B with a minimum grade of P.

99128 7:30a-9:35a M Tu W Th Luppani M SAC E-102 06/15-07/23
99135 9:45a-11:50a M Tu W Th Nynssen A SAC E-102 06/15-07/23
98882 12:00p-2:05p M Tu W Th Breig D SAC E-102 06/15-07/23
99140 4:30p-6:35p M Tu W Th Staff SAC E-102 06/15-07/23

KINESIOLOGY PROFESSIONAL 125, SPORT PSYCHOLOGY 3.0 UNITS
An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.

98522 Luppani M SAC WEB 06/15-08/06
Section 98522 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (luppani_flo@sac.edu)

98526 Nyssen A SAC WEB 06/15-08/06
Section 98526 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (nyssen_adam@sac.edu)

KINESIOLOGY PROFESSIONAL 170, SPORT ETHICS 3.0 UNITS
A class designed to examine ethics, moral questions, and value judgements related to sport. Its approach allows students to follow and analyze ethical arguments, think through philosophical issues, and apply them to the artistic expression of sport as well as everyday life.

98523 Luppani M SAC WEB 06/15-08/06
Section 98523 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (luppani_flo@sac.edu)

98524 Luppani M SAC WEB 06/29-08/06
Section 98524 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.
Email instructor first week of class. (luppani_flo@sac.edu)
**MANAGEMENT**

**MANAGEMENT 120, PRINCIPLES OF MANAGEMENT** 3.0 UNITS

Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling, and the application of managerial skills.

98539  Shweiri G SAC WEB 06/15-08/06

Section 98539 online instruction. No on campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.

Make sure your current email is in personal information.

**MANAGEMENT 122, BUSINESS COMMUNICATIONS** 3.0 UNITS

Overview of oral and written communication skills used in business; emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today’s high-tech, international business environment. Suggested preparation: English 061 or English for Multi-lingual Students 112 or American College English 116.

98547 6:00p-9:10p Tu Th Carr B SAC A-207 06/15-08/06

**MANUFACTURING TECHNOLOGY**

**MANUFACTURING TECHNOLOGY 011, BASIC MECHANICAL BLUEPRINT READING** 2.0 UNITS

Reading and interpreting blueprints for manufacturing technologies.

98574 4:00p-6:05p Tu Th Bright T SAC A-130 06/16-08/06

**MANUFACTURING TECHNOLOGY 058, BASIC MACHINING CONCEPTS AND OPERATIONS** 3.0 UNITS

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equip students with skills and theory necessary to enter or upgrade within the machinist trade. Concurrent enrollment in Manufacturing Technology 011 recommended.

98576 6:00p-10:15p M Tu W Th Kan德尔 Z SAC T-107 06/15-08/06

**MANUFACTURING TECHNOLOGY 069, JOB SHOP SKILLS** 0.5 - 9.0 UNITS

Experience in planning, setup and machining of a wide variety of projects using all machine tools. Students will build upon the skills and theory gained in beginning and advanced Manufacturing Technology classes or by on-the-job experience.

Prerequisite: Manufacturing Technology 059 and 068 with a minimum grade of C. Open Entry / Open Exit

98579 6:00p-9:50p M W Kan德尔 Z SAC T-107 06/16-08/06

**MANUFACTURING TECHNOLOGY 073, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS** 3.0 UNITS

Computer assisted numerical control programming of machine tools using Mastercam software. Creation of 2D-part geometry, 2D-part programming including contouring, pocketing, drilling, and tapping. Suggested preparation: Manufacturing Technology 071.

98580 6:00p-9:10p M W Singh N SAC T-203-1 06/15-08/05

**MANUFACTURING TECHNOLOGY 078, MASTERCAM LATHES** 3.0 UNITS

Computer assisted numerical control programming of machine tools using MASTERCAM lathes software. Emphasis placed on lathe toolpath: facing, turning, grooving, boring, and threading.

Prerequisite: Manufacturing Technology 071, 073, and 076 with a minimum grade of C.

98594 6:00p-9:10p Tu Th Singh N SAC T-203-1 06/15-08/06

**MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASICS SOLID MODELING** 3.0 UNITS

Introductory course in parametric solid modeling. This course will include a solid model overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. Suggested preparation: MNGF 011.

98595 6:00p-9:10p Tu Th Buechler M SAC T-203 06/16-08/06

**MANUFACTURING TECHNOLOGY 188, MACHINE TECHNOLOGY SURVEY** 3.0 UNITS

Machine tool setup and operation for students who desire general knowledge of machine tools and processes. All the basic machine tools are used. Not intended for Manufacturing Technology majors.

98578 6:00p-10:15p M Tu W Th Kan德尔 Z SAC T-107 06/15-08/06

**MARKETING**

**MARKETING 113, PRINCIPLES OF MARKETING** 3.0 UNITS

The process of developing products that will satisfy the many needs of consumers and businesses. Includes market research techniques, pricing, distribution, and promotion.

98541  Shweiri G SAC WEB 06/15-08/06

Section 98541 online instruction. No on campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com.

Make sure your current email is in personal information.

---

**FIRST CLASS MEETING**

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.
MATHEMATICS 101, MUSIC APPRECIATION 3.0 UNITS
Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student’s experience of music. Recommended for non-music majors.

MUSIC 102, WORLD MUSIC 3.0 UNITS
Music from the Far East, Southeast Asia, Africa, the Middle East, Europe and the Americas. Students are guided to enjoy and to understand music from diverse cultures. Investigation of the interconnections of culture, aesthetics, and musical styles. Concert attendance and assigned listening required.

MUSIC 103, JAZZ IN AMERICA 3.0 UNITS
A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form.

MUSIC 169, HARMONIZATION AT THE KEYBOARD 1.0 UNIT
Beginning keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in several styles from simple chord progressions. Music 161 or elementary piano ability recommended.

MUSIC 178, MARIACHI 1.0 UNIT
Mixed ensemble for the study, rehearsal, and performance of Mariachi repertoire with an emphasis on this art form.

MUSIC 207, MINOR DISCIPLINES 1.0 UNIT
Prerequisite: 9-12 credits in music. Students must obtain permission of the instructor.

MUSI 210, CONDUCTING 1.0 UNIT
A course in conducting techniques with emphasis on choral groups. Conducts a mixed ensemble in choral literature. Requires an additional performance requirement.

MUSI 213, ORCHESTRAL METHODS AND ENSEMBLE DEVELOPMENT 1.0 UNIT

NURSING-REGISTERED
NURSING-REGISTERED 112, NURSING CONCEPTS 1.5 UNITS
Emphasizes development of the registered nurse including role, communication, nursing process, legal and ethical concepts, test taking strategies, the Santa Ana College Conceptual Framework for Nursing, nursing, and interpersonal/communication. Completion required prior to entry into Nursing-Registered 102/102L.

Prerequisite: English 101/101H, Biology 149 or Biology 249, Biology 139 or 229 with a minimum grade of C.

NURSING-REGISTERED 103, PHARMACOLOGICAL CONCEPTS OF NURSING 3.0 UNITS
Introduction to pharmacology, dosage calculations, drug classifications, and application of nursing process to drug administration. Completion required prior to entry into Nursing-Registered 102/102L.

Prerequisite: English 101 or English 101H, Biology 239, Biology 249, Biology 139 or 229 with a minimum grade of C.

NURSING-REGISTERED 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS 0.5 UNIT
Presentation of California Occupational Safety and Health Act (CalOSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to hepatitis, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

NURSING-REGISTERED 006, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE 3.0 UNITS
An introduction to computer with practical applications for a medical office/clinical setting, including building patient databases, patient scheduling, procedure codes, and diagnostic codes. Generate computerized billing records, posting to accounts, insurance claims forms, and generating reports and electronic data interchange.

MEDICAL ASSISTANT 05A, BEGINNING MEDICAL TERMINOLOGY 3.0 UNITS
Introduction to medical terms including structural analysis of prefixes, combining form/root, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-ureteral, and reproductive systems. Also, terms related to pregnancy and the newborn.

MEDICAL ASSISTANT 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS 0.5 UNIT
Presentation of California Occupational Safety and Health Act (CalOSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to hepatitis, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

MEDICAL ASSISTANT 006, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE 3.0 UNITS
An introduction to the computer with practical applications for a medical office/clinical setting, including building patient databases, patient scheduling, procedure codes, and diagnostic codes. Generate computerized billing records, posting to accounts, insurance claims forms, and generating reports and electronic data interchange.

Online Counseling Now Available!  
www.sac.edu/online_counseling
PHARMACY TECHNOLOGY

PHARMACY TECHNOLOGY 048, INTRODUCTION TO PHARMACY TECHNOLOGY 2.0 UNITS
Overview of the SAC Pharmacy Technician training program. Definition of the roles and prevue of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.

98562
7:15p-9:20p M W Ross Jr J SAC H-210 06/15-08/05

PHARMACY TECHNOLOGY 051, BODY SYSTEMS I 3.5 UNITS
Anatomy, physiology, pathology, and pharmacology of the musculoskeletal, respiratory, renal, and cardiovascular systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic names and indications for each body system.

98565
6:00p-9:35p Tu Th Nguyen H SAC H-210 06/16-08/06

PHARMACY TECHNOLOGY 054, PHARMACY CALCULATIONS 2.0 UNITS
Calculations related to drug dosage, measurements of strength, and preparation of medications. Includes interconversion of units in the metric and common systems of measurement. Emphasis on unit-cancellation for solving pharmacy situation problems.

98563
5:00p-7:05p M W Ross Jr J SAC H-210 06/15-08/05

PHARMACY TECHNOLOGY 072, PHARMACY TECHNOLOGY EXTERNSHIP 0.5 - 6.0 UNITS
On-site training in three pharmacy practice settings. Students must complete the related lab course prior to placement in a specific rotation. PHAR 058 for outgoing, PHAR 057 and PHAR 056 for ingoing. PHAR 060 for sterile products. Students must pass the trade-generic test prior to placement. Some sites require additional screening. Completion of all three rotations (320 hours) required for the advanced certificate. Preceptors may assign NP grade for incomplete or failing competencies. Students requiring NP grades must repeat the rotation hours (40 hours increments).

98564
5:00p-7:05p M W Ross Jr J SAC H-210 06/15-08/05

PHILOSOPHY

PHILOSOPHY 106, INTRODUCTION TO PHILOSOPHY 3.0 UNITS
A survey of historical and contemporary ideas on how to live the good life.

98286
8:00a-12:15p M W Shigematsu T SAC I-109 06/15-07/22

98291
2:30p-6:40p M Tu W Th Page J SAC I-109 06/15-07/09

98289
6:00p-10:15p Tu Th Blake H SAC I-208 06/16-07/23

PHILOSOPHY 108, ETHICS 3.0 UNITS
Introduction to key historical and modern theories of philosophical ethics and the application of these theories to ethical issues facing society today. Assists in clarifying our thinking about morality/ethics. Course increases awareness of values in personal and contemporary issues.

98298
2:30p-5:40p M Tu W Th Fish Z SAC I-109 07/13-08/06

98293
6:00p-10:15p M W Rodriguez A SAC I-207 06/15-07/22

PHILOSOPHY 110, CRITICAL THINKING 4.0 UNITS
College-level critical thinking and writing. Promotes self-awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, and democratic society. Preerequisite: English 110/110H with a minimum grade of C.

98303
8:00a-12:15p M Tu W Th Fish Z SAC I-104 06/15-07/09

98300
6:00p-10:15p Tu Th Redoutey M SAC I-207 06/15-08/06

PHILOSOPHY 111, INTRODUCTORY LOGIC 4.0 UNITS
Beginning course in formal and applied logic. Covers cognitive language, formal argument, proof, basic propositional and predicate logic, and philosophy of logic. Emphasizes active student involvement and practical application to college life.

98305
8:00a-12:15p M Tu W Th Fish Z SAC I-104 07/13-08/06

98307
11:00a-2:50p M Tu W Th Blake H SAC I-201 06/15-07/22

PHILOSOPHY 112, WORLD RELIGIONS 3.0 UNITS
A philosophical overview of the world's great religions. Includes historical origin and growth of each religion, major doctrines, and influence. Religions dealt with include Primitive, Hinduism, Jainism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam.

98309
6:00p-10:15p M W Shigematsu T SAC I-109 06/15-07/22

PHOTOGRAPHY

PHOTOGRAPHY 150, HISTORY OF PHOTOGRAPHY 3.0 UNITS
A survey of the history, aesthetics, and technical evolution of photography including an in-depth view of artistic styles and individual photographers’ contributions from the 19th century to the present.

98650
6:00p-9:10p M Tu W Th Staff SAC C-104 07/13-08/06

PHYSICS

PHYSICS 227, ENGINEERING PHYSICS II 4.0 UNITS
Introduces the basic principles of electricity and magnetism. The main topics are electricity, magnetism, electro-magnetic induction, and Maxwell's equations. This course is designed for students majoring in physical sciences and engineering.

98217
6:00p-10:15p M W Shigematsu T SAC I-109 06/15-07/22

98218
7:30a-11:45p M W Daniel B SAC I-109 06/15-07/22

98223
8:00a-12:15p M W Daniel B SAC I-109 06/15-07/22

98224
11:00a-3:15p M W Daniel B SAC I-109 06/15-07/22

98225
6:00p-10:15p M W Daniel B SAC I-109 06/15-07/22

POLITICAL SCIENCE

POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS 3.0 UNITS
Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government.

98179
7:30a-10:10a M Tu W Th Petri M SAC I-207 06/15-07/23

98169
8:00a-12:45p M W Andrade P SAC V-205 06/15-07/22

98176
8:00a-12:15p M Th Kehlenbach E SAC I-207 06/16-07/23

98174
8:00a-12:15p M Tu Th Valenzuela E SAC V-209 06/30-08/06

98171
9:15a-11:20a M Tu W Th Murphy T SAC V-208 06/29-08/06

98168
11:30a-1:35p M Tu W Th Murphy T SAC V-208 06/29-08/06

98172
12:30p-4:45p M W Andrade P SAC V-205 06/15-07/22

98175
12:30p-4:45p M W Petri M SAC V-209 06/16-07/23

98178
12:30p-4:45p M W Valenzuela E SAC V-209 06/30-08/06

98167
6:00p-10:15p M W Becker C SAC V-208 06/29-08/05

98177
6:00p-10:15p M W Petri M SAC V-209 06/16-07/23

98170
6:00p-10:15p M W Becker C SAC V-311 06/30-08/06

PSYCHOLOGY

PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY 3.0 UNITS
An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.

98236
7:30a-10:40a M W Shigematsu T SAC I-109 06/15-07/22

98242
7:30a-10:40a M W Staff SAC V-207 06/15-07/23

98240
8:00a-12:15p M Tu Th Staff SAC V-207 06/16-07/23

98239
9:15a-11:20a M Tu W Th Pedroza J SAC I-107 06/15-07/23

98243
11:00a-2:15p M W Staff SAC V-208 06/29-08/05

98244
11:00a-2:10p M W Staff SAC I-207 06/16-08/06

98237
6:30p-9:40p M Tu W Th Castillo R SAC V-207 07/13-08/06

98235
6:30p-9:40p M Tu W Th Castillo R SAC I-109 06/15-07/22
SOCIAL SCIENCE

The Social Science 219 Course at Santa Ana College may include use of Computer Aided Instruction (CAI). Students may be required to submit assignments and/or quizzes via the Internet.

SOCIAL SCIENCE 219, STATISTICS AND PROBABILITY

This introductory course in statistics includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology.

Prerequisite: Mathematics 080 or 081 with a grade of C or better (OR placement into Mathematics 219 on the Mathematics Level 3 Placement Exam and a course equivalent to Mathematics 080 or 081).

98242 7:30a-10:40a M Tu W Th Sweeney G SAC I-206 06/15-07/23
98430 11:00a-2:30p M Tu W Th Leids K SAC I-207 06/15-07/23
98424 11:15a-2:45p M Tu W Th Tram L SAC I-206 06/15-07/23
98426 3:00p-6:30p M Tu W Th Elgidi I SAC I-206 06/15-07/23
98428 6:45p-10:15p M Tu W Th Masah A SAC I-108 06/15-07/23
98433 6:45p-10:15p M Tu W Th Staff SAC L-207 06/07-07/23

SPANISH

SPANISH 101, ELEMENTARY SPANISH I

Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish.

98181 11:00a-1:20p W Galvan J SAC HYBRID 06/15-07/23
98182 11:00a-1:20p W Galvan J SAC VL-207 06/15-07/23
98183 1:00p-3:20p Tu Guerrero-Phlaum M SAC HYBRID 06/15-07/23
98184 1:00p-3:20p Tu Guerrero-Phlaum M SAC VL-207 06/15-07/23
98185 6:00p-8:50p Th Lopez-Jaquequi L SAC HYBRID 06/15-07/23
98186 2:00p-4:50p Th Lopez-Jaquequi L SAC VL-207 06/15-07/23
98187 9:00a-11:50a Th Guerrero-Phlaum M SAC HYBRID 06/15-07/23
98188 10:15a-12:50p Th M Tu W Th Fuentes Sanchez A SAC HYBRID 06/15-07/23
98189 7:00p-9:35p M Tu W Th Quiroz Z SAC I-206 06/15-07/23
### WELDING

**WELDING 025A, INTERMEDIATE ARC WELDING LEVEL I**
3.0 UNITS
This is a course designed to improve the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 (SMAW).
Prerequisite: Welding 008 and Welding 025A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98603 8:00a-11:35a M Tu W Th Moreno G SAC K-101 06/15-08/06

**WELDING 029A, ADVANCED ARC WELDING LEVEL I**
3.0 UNITS
Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bend test required for structural steel certification.
Prerequisite: Welding 008 with a minimum grade of C and concurrent enrollment in Welding 020 or satisfactory completion of proficiency exam in arc welding skills.

98605 5:00p-8:35p M Tu W Th Moore G SAC K-101 06/15-08/06

**WELDING 029B, ADVANCED ARC WELDING LEVEL II**
3.0 UNITS
This is a course designed to advance the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process (SMAW) E-7018 according to the American Welding Society rules and regulations D1.1 Code Book.
Prerequisite: Welding 029A with a minimum grade of C or reasonable completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98606 5:00p-8:35p M Tu W Th Moore G SAC K-101 06/15-08/06

**WELDING 029C, ADVANCED ARC WELDING LEVEL III**
3.0 UNITS
This is a course designed to improve and master the student's previously acquired arc welding skills to an advanced level and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 according to the American Welding Society rules and regulations. Students will take the D1.1 certification test at this level.
Prerequisite: Welding 029B with a minimum grade of C or reasonable completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98607 5:00p-8:35p M Tu W Th Moore G SAC K-101 06/15-08/06

**WELDING 029D, ADVANCED ARC WELDING LEVEL IV**
3.0 UNITS
This course provides level one instruction on the principles, equipment, welding techniques, mode of operations, and safety for (FCAW) wire flux cored arc welding used for structural steel. It is also designed to improve the student's formerly acquired arc welding skills and prepare the student to pass the welding certification test D1.1. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using FCAW 2/32 wire (flux cored arc welding).
Prerequisite: Welding 029C with a minimum grade of C or reasonable completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98608 5:00p-8:35p M Tu W Th Moore G SAC K-101 06/15-08/06

### THEATRE ARTS

**THEATRE ARTS 100, INTRODUCTION TO THEATRE**
3.0 UNITS
An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance at live theatre required.

98391 8:00a-12:15p Tu Th Cannon C SAC P-100 06/16-07/23

**THEATRE ARTS 154, PERFORMANCE ENSEMBLE**
2.0 UNITS
A study of the standards and expectations for an actor in auditions, casting, rehearsal and performance in a departmental production. All students will be cast in one-act plays for public presentation.
Prerequisite: Theatre Arts 110 with a minimum grade of C or audition.

98392 1:30p-3:20p Tu W Th 3:30p-5:20p Tu W Th Cannon C SAC P-105 SAC P-105 06/16-07/23

### VIETNAMESE

**VIETNAMESE 101, ELEMENTARY VIETNAMESE I**
5.0 UNITS
A college level Vietnamese class focusing on pronunciation and grammar, basic vocabulary, common idioms, listening, speaking, reading, and writing techniques to provide avenues for the expression of ideas orally and in writing. Introduction to Vietnamese culture. Some sections designated for native Vietnamese speakers. Vietnamese 101 is equivalent to two years of high school Vietnamese.

98191 6:30p-9:05p M Tu W Th Tran D SAC VL-103 06/15-08/06

### TV/VIDEO COMMUNICATIONS

**TV/VIDEO COMMUNICATIONS 103, HISTORY OF FILM TO 1945**
3.0 UNITS
A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.

98141 2:30p-5:40p M W SAC A-210 06/15-08/06

**TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT**
3.0 UNITS
A lecture/visual aid course exploring film as an art form and developing appreciation of historical, artistic and technical advances.

98144 6:30p-9:40p M W SAC A-210 06/15-08/06

### WELDING

**WELDING 020, WELDING LABORATORY**
0.5 UNIT
Independent practice for advanced knowledge and skills development in specific areas of welding technology. Students furnish own equipment.

98601 1:30p-2:55p Tu Th Moreno G SAC K-101 06/16-08/06

**WELDING 025B, INTERMEDIATE ARC WELDING LEVEL II**
3.0 UNITS
This is a course designed to improve the student’s previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1” steel), using the shielded metal arc welding process E-7018 (SMAW).
Prerequisite: Welding 008 and Welding 025A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98602 8:00a-11:35a M Tu W Th Moreno G SAC K-101 06/15-08/06

**WELDING 025C, ADVANCED ARC WELDING LEVEL III**
3.0 UNITS
Provides advanced manipulative skills and technical knowledge needed to pass a 1” plate guided bend test required for structural steel certification.
Prerequisite: Welding 008 with a minimum grade of C and concurrent enrollment in Welding 020 or satisfactory completion of proficiency exam in arc welding skills.

98603 8:00a-11:35a M Tu W Th Moreno G SAC K-101 06/15-08/06

**WELDING 025D, ADVANCED ARC WELDING LEVEL IV**
3.0 UNITS
This course provides level one instruction on the principles, equipment, welding techniques, mode of operations, and safety for (FCAW) wire flux cored arc welding used for structural steel. It is also designed to improve the student’s formerly acquired arc welding skills and prepare the student to pass the welding certification test D1.1. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using FCAW 2/32 wire (flux cored arc welding).
Prerequisite: Welding 029C with a minimum grade of C or reasonable completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

98608 5:00p-8:35p M Tu W Th Moore G SAC K-101 06/15-08/06