

2015 summer schedule of classes

June 15, 2015 - August 16, 2015



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**

CELEBRATED PAST. BOUNDLESS FUTURE.

100
1915-2015
SANTA ANA COLLEGE

HOW TO APPLY AND REGISTER

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. 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** 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 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 nonpayment 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/. 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

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




CALENDAR FOR SUMMER 2015 CLASSES

May 15, 2015	Online registration
June 15, 2015	Instruction begins
Refer to section information in WebAdvisor	}	Last day to add a class with instructor's signature or add code
		Last day to drop a class with enrollment fee refund and no "W" grade
		Last day to file Pass/No Pass
		Last day to drop a class with "W" grade
August 16, 2015	Summer Session ends

OFF-CAMPUS FIELD TRIPS POLICY

Throughout the semester/school year, the District may sponsor voluntary off-campus extracurricular field trips/excursions. If you choose to participate, be advised that pursuant to California Code of Regulations, Subchapter 5, Section 55450, you have agreed to hold the District, its officers, agents and employees harmless from any and all liability or claims which may arise out of or in connection with your participation in the activity.

NOTES

-  Online Classes. For more information go to www.sac.edu/disted
-  Hybrid Classes. For more information go to www.sac.edu/disted
-  Off campus field trips. Read the policy on this page.

Class location CJTC-SD: **Orange County Sheriff's Regional Training Academy**
15991 Armstrong Avenue, Tustin.

JPT-CN: **Joint Powers Training Center-Central Net**

REGISTRATION QUESTIONS?
CALL 714-564-6005

SCHEDULE OF CLASSES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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ACCOUNTING


ACCOUNTING 101, FINANCIAL ACCOUNTING	4.0 UNITS
<i>The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.</i>	
98351	8:00a-12:15p Tu Th Staff SAC A-209 06/16-08/06
98352	6:00p-10:15p M W Erlanson S SAC A-209 06/15-08/05
ACCOUNTING 102, MANAGERIAL ACCOUNTING	4.0 UNITS
<i>Study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.</i>	
Prerequisite: Accounting 101 with a minimum grade of C.	
98350	8:00a-12:15p M W Alvarado J SAC A-209 06/15-08/05
98353	6:00p-10:10p Tu Th Phung T SAC A-209 06/16-08/06

ANTHROPOLOGY

ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY	3.0 UNITS
<i>Across-cultural survey of the major areas of cultural anthropology including subsistence 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 universals.</i>	
97992	8:00a-12:15p M W Wood S SAC VL-301 06/15-07/22
97998	11:00a-2:10p Tu Th Cundiff W SAC VL-301 06/16-08/06
97999	6:00p-9:10p M W Plascencia M SAC VL-304 06/15-08/05
97993	6:00p-10:15p Tu Th Plascencia M SAC VL-301 06/16-07/23
ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY	3.0 UNITS
<i>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.</i>	
98007	7:30a-10:40a M W Robertson M SAC VL-204 06/15-08/05
98008	7:30a-10:40a Tu Th Robertson M SAC VL-204 06/16-08/06
ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY	1.0 UNIT
<i>Laboratory exercises and experiments designed to explore and understand the primary areas of physical anthropology: evolutionary theory, principles of genetics, comparative anatomy, physiology, behavior and ecology of vertebrates with an emphasis on nonhuman primates, analysis of fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes both traditional and virtual laboratory experiences.</i>	
98009	11:00a-2:10p M W Robertson M SAC VL-204 06/15-08/05
98010	11:00a-2:10p Tu Th Robertson M SAC VL-204 06/16-08/06

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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ART

ART 100, INTRODUCTION TO ART CONCEPTS	3.0 UNITS
<i>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.</i>	
 97014	Redfield M SAC WEB 07/13-08/06
Section 97014. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: http://rscdd.blackboard.com	
98626	8:00a-12:15p Tu Th Soriano I SAC A-210 06/16-07/23
98628	10:30a-1:20p M Tu W Hostetter D SAC C-104 06/15-07/22
98627	2:30p-5:40p M Tu W Th Marquez P SAC C-104 07/13-08/06
ART 104, MEXICAN AND CHICANO ART HISTORY	3.0 UNITS
<i>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.</i>	
98629	8:00a-12:15p M W Soriano I SAC A-210 06/15-07/22
ART 105, HISTORY OF MODERN ART	3.0 UNITS
<i>History of painting, sculpture, architecture, prints, and applied arts from the late nineteenth century through the twentieth century. Covers the formal philosophical, spiritual, and historical background of art from Post Impressionism to Post Modernism. For general students and art majors.</i>	
98630	7:30a-10:40a M Tu W Th Solon D SAC A-130 07/13-08/06
ART 130, INTRODUCTION TO DRAWING	3.0 UNITS
<i>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.</i>	
98640	6:00p-7:15p M Tu W Th Hower T SAC C-210 06/15-07/23
	7:25p-10:15p M Tu W Th Hower T SAC C-210
ART 230, INTERMEDIATE DRAWING	3.0 UNITS
<i>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.</i>	
Prerequisite: Art 130 with a minimum grade of C.	
98648	6:00p-7:15p M Tu W Th Hower T SAC C-210 06/15-07/23
	7:25p-10:15p M Tu W Th Hower T SAC C-210
ART 233, ADVANCED DRAWING	3.0 UNITS
<i>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.</i>	
Prerequisite: Art 230 with a minimum grade of C or portfolio review.	
98649	6:00p-7:15p M Tu W Th Hower T SAC C-210 06/15-07/23
	7:25p-10:15p M Tu W Th Hower T SAC C-210
ASTRONOMY	
ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM	3.0 UNITS
<i>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.</i>	
98448	9:15a-11:20a M Tu W Th Staff SAC R-124 06/15-07/23

Academic Planning Questions?
www.sac.edu/online_counseling

ASTRONOMY 140, ASTRONOMY LABORATORY

1.0 UNIT

 Utilizes experimental techniques to explore and comprehend properties and motions of celestial objects. Basic naked-eye, binocular, and small telescope observing techniques will be introduced. Field trips to local planetaria and dark sky locations may be included.

Prerequisite: Astronomy 109 or 110 or 110H with a minimum grade of C or concurrent enrollment.

98446	2:00p-6:15p	Tu Th	Staff	SAC R-328	06/16-07/23
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AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNOLOGY 022, ELECTRONICS FUNDAMENTALS

5.0 UNITS

Introduction to the basic operating principles of electrical and electronic devices used in motor vehicles. Suggested preparation: Automotive Technology 002 or 006. (Same as Diesel 022.)

98201	12:30p-4:50p	M Tu W Th	Hammonds E	SAC J-102	06/15-08/06
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AUTOMOTIVE TECHNOLOGY 081, FUEL INJECTION SYSTEMS

3.0 UNITS

Covers the theory, operation, and diagnosis of import and domestic gasoline fuel injection systems currently used with emphasis on those systems used on domestic and import vehicles. Suggested preparation: Automotive Technology 002 or 006 and 032 or one year tune-up related trade experience.

98202	6:00p-10:15p	M Tu W	Serrano, Jr. M	SAC J-102	06/15-07/08
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AUTOMOTIVE TECHNOLOGY 084, OBD-II

3.0 UNITS


This course will present an overview of the OBD-II (On Board Diagnostics) system used on modern automobiles. Terminology, codes, monitors, and scantool use will be emphasized. Suggested preparation: Automotive Technology 002 or 006.

98203	6:00p-10:15p	M Tu W	English N	SAC J-102	07/13-08/05
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BIOLOGY

BIOLOGY 109, FUNDAMENTALS OF BIOLOGY

3.0 UNITS

 Principles of biology stressing the relationship of all organisms from anatomical, physiological, and ecological points of view. Includes cell machinery, genetics, reproduction, embryology, animal behavior, botany, ecology, evolution, and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.

98482	7:30a-10:40a	M Tu W Th	Corona E	SAC R-128	06/15-07/09
98487	2:30p-5:40p	M W	Staff	SAC R-128	06/15-08/05
98489	6:00p-9:10p	Tu Th	Ou M	SAC R-124	06/16-08/06

BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY

1.0 UNIT

Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and cells, to organisms, populations, communities, and ecosystems. Content complements Biology 109/109H lecture material. Fieldtrip required.

98490	11:00a-2:10p	M W	Chroman L	SAC R-202	06/15-08/05
98494	11:00a-2:10p	Tu Th	Ochoa R	SAC R-202	06/16-08/06
98491	2:30p-5:40p	M W	Staff	SAC R-202	06/15-08/05
98495	2:30p-5:40p	Tu Th	Staff	SAC R-202	06/16-08/06
98493	6:00p-9:10p	M W	Staff	SAC R-202	06/15-08/05
98496	6:00p-9:10p	Tu Th	Staff	SAC R-202	06/16-08/06

BIOLOGY 229, GENERAL MICROBIOLOGY

5.0 UNITS

Introduction to microorganisms, their classification, structure, biochemistry, growth, control, and interactions with other organisms and the environment. Designed for biology, preprofessional, and prenursing (BSN) majors.

Prerequisite: Biology 109/109H and 109L, or 139, or 149, or 211, or 239, or 249, or Chemistry 119 or Chemistry 209 with a minimum grade of C.

Material Fee(s): \$20.00

98497	6:15p-8:20p	M Tu W Th	Morales D	SAC R-126	06/15-07/23
	8:00a-12:15p	M Tu W Th	Morales D	SAC R-226	
98498	6:15p-8:20p	M Tu W Th	Morales D	SAC R-126	06/15-07/23
	12:30p-4:45p	M Tu W Th	Morales D	SAC R-226	

BIOLOGY 239, GENERAL HUMAN ANATOMY

4.0 UNITS

Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides and CD-ROM programs. Laboratory includes the dissection of a cat and periodic demonstrations of a prosected cadaver as available.

98500	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-124	06/15-07/23
	9:15a-11:20a	M Tu W Th	Hampton J	SAC R-201	
98502	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-124	06/15-07/23
	1:45p-3:50p	M Tu W Th	Staff	SAC R-201	
98504	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-124	06/15-07/23
	4:00p-6:05p	M Tu W Th	Staff	SAC R-201	
98505	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-124	06/15-07/23
	6:15p-8:20p	M Tu W Th	Staff	SAC R-201	
98507	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-124	06/15-07/23
	8:30p-10:35p	M Tu W Th	Staff	SAC R-201	

BIOLOGY 249, HUMAN PHYSIOLOGY

4.0 UNITS

Microscopic, macroscopic, and dynamic view of the human physiological processes. The lecture portion includes a thorough consideration of both "cell and systems" physiology. Laboratory work includes the use of techniques used in basic research, an introduction to the use of standard medical equipment, and the performance of medical laboratory tests. Non-invasive experiments are performed on students enrolled in the class.

Prerequisite: Biology 239 or similar Human Anatomy course with a minimum grade of C.


98508	2:00p-4:50p	M Tu W	Beltran J	SAC R-126	06/15-07/22
	10:30a-1:20p	M Tu W	Beltran J	SAC R-219	
98512	2:00p-4:50p	M Tu W	Beltran J	SAC R-126	06/15-07/22
	5:30p-8:20p	M Tu W	Beltran J	SAC R-219	

BUSINESS

BUSINESS 100, FUNDAMENTALS OF BUSINESS

3.0 UNITS

An introduction to the basic fundamentals of business. A survey of marketing, management, production, accounting, finance, and economics and how they interrelate in the business environment.

 98531			Damon S	SAC WEB	06/15-08/06
	Section 98531 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.				
98545	6:00p-9:10p	M W	Kowsari A	SAC A-203	06/15-08/06

BUSINESS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL

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

98532	TBA		Molitor M	SAC A-107-5	06/15-08/06
	Section 98532 mandatory orientation meeting Wed., June 17, 12:00p-12:50p or 6:00p-6:50p, SAC A-104. All other meetings by appointment.				

BUSINESS 104, COOPERATIVE WORK EXPERIENCE-GENERAL EDUCATION-GENERAL

1.0-2.0 UNITS

Supervised paid or volunteer experience not related to 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


98533	TBA		Molitor M	SAC A-107-5	06/15-08/06
	Section 98533 mandatory orientation meeting Wed., June 17, 12:00p-12:50p or 6:00p-6:50p, SAC A-104. All other meetings by appointment.				

BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS

3.0 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations.

 98279			Manzano F	SAC WEB	06/15-08/06
	Section 98279 online instruction. No on campus meeting times. Students are required to logon to Blackboard the first day of class: http://rsccd.blackboard.com . Make sure your current email is in personal information.				


 98311			Robinson K	SAC WEB	06/15-08/06
	Section 98311 online instruction. No on campus meeting times. Students are required to logon to Blackboard the first day of class: http://rsccd.blackboard.com . Make sure your current email is in personal information.				

98248	7:30a-10:40a	M W	Robinson K	SAC A-205	06/15-08/05
98268	6:00p-9:10p	M W	Liang M	SAC A-205	06/15-08/05

BUSINESS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS

3.0 UNITS


An introduction to different cultures and their effects on international business. Analysis of cross-cultural attitudes towards management, status, rules, relationships, motivating employees, and negotiation.

 98534			Todaro Vorsheck D	SAC WEB	06/15-08/06
	Section 98534 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.				

BUSINESS 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 (Same as Management 120).

 98536			Shweiri G	SAC WEB	06/15-08/06
	Section 98536 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.				
98546	6:00p-9:10p	Tu Th	Carr B	SAC A-207	06/16-08/06

BUSINESS 125, INTRODUCTION TO INTERNATIONAL BUSINESS

3.0 UNITS

A survey course previewing international marketing, finance, law, and logistics. Includes how a company decides to go global and how products are made, transported, and sold around the world.

 98537			Stewart L	SAC WEB	06/15-08/06
	Section 98537 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.				

BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS

3.0 UNITS

Introduction to computer concepts and management information systems. Application software will be used to solve business problems.

98355	8:00a-12:15p	M W	Harding G	SAC A-208	06/15-07/22
98356	6:00p-10:15p	Tu Th	Dahlen N	SAC A-206	06/16-07/23

BUSINESS 180, FINDING AND EVALUATING PRODUCTS FOR IMPORT

1.0 UNIT

Evaluate the potential of an import business. Contact vendors and source products. Determine import classification, tariffs and taxes and calculate landed costs to import into the U.S.

98551	6:00p-10:00p	Tu Th	Grant M	SAC A-203	06/16-06/25
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BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS

1.0 UNIT

Learn to classify products being imported into the U.S. using the Harmonized Tariff Schedule (HTS). Identify applicable duty rates and quotas for products. Learn how the operations and U.S. Customs programs have changed since 9/11/2001.

98552	6:00p-10:00p	Tu Th	Shweiri G	SAC A-203	06/30-07/09
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SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
BUSINESS 222, BUSINESS WRITING					3.0 UNITS
<i>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.</i>					
Prerequisite: English 101 or 101H with a minimum grade of C.					
98538			Woolgar D	SAC WEB	06/15-08/06
Section 98538 online instruction. No on campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com . Make sure your current email is in personal information.					
98549	6:00p-9:10p	Tu Th	Woolgar D	SAC A-108	06/16-08/06
98542	6:00p-9:10p	M W	Hobbs R	SAC A-108	06/15-08/05

BUSINESS APPLICATIONS

BUSINESS APPLICATIONS 017, BUSINESS WRITING SKILLS					3.0 UNITS
<i>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.</i>					
98486	6:30p-9:40p	Tu Th	Staff	SAC A-228	06/16-08/06
BUSINESS APPLICATIONS 110A, COMPUTER KEYBOARDING SKILLS I					1.0 UNIT
<i>Proficiency based keyboarding skills includes alphabet, speed, and accuracy development.</i>					
Open Entry / Open Exit					
98457	10:55a-2:55p	M W	Montiel-Childress D	SAC A-226	06/15-07/22
BUSINESS APPLICATIONS 110B, COMPUTER KEYBOARDING SKILLS II					1.0 UNIT
<i>Continuation and refinement of proficiency based computer keyboarding skills includes alphabet and numeric keyboard, speed and accuracy development, and basic word processing skills.</i>					
Prerequisite: Business Applications 110A with a minimum grade of C.					
Open Entry / Open Exit					
98483	10:55a-2:55p	M W	Montiel-Childress D	SAC A-226	06/15-07/22
BUSINESS APPLICATIONS 115A, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT I					1.0 UNIT
<i>Intense review of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer. Basic proficiency in typing or keyboarding recommended.</i>					
Open Entry / Open Exit					
98484	10:55a-2:55p	M W	Montiel-Childress D	SAC A-226	06/15-07/22
BUSINESS APPLICATIONS 115B, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT II					1.0 UNIT
<i>Refinement of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer.</i>					
Prerequisite: Business Applications 115A with a minimum grade of C.					
Open Entry / Open Exit					
98485	10:55a-2:55p	M W	Montiel-Childress D	SAC A-226	06/15-07/22

CHEMISTRY

CHEMISTRY 209, INTRODUCTORY CHEMISTRY					4.0 UNITS
<i>Basic concepts of matter: atomic structure, formulas, equation writing, nomenclature, gases and kinetic theory. Emphasizes properties of solutions, and the mole concept in quantitative chemistry. Prepares students for biology and Chemistry 219.</i>					
Prerequisite: Mathematics 080 or 081 with a minimum grade of C.					
98470	9:00a-12:10p	M W	Staff	SAC R-303	06/15-08/06
	9:00a-12:10p	Tu Th	Staff	SAC R-301	
98471	9:00a-12:10p	Tu Th	Staff	SAC R-303	06/15-08/06
	9:00a-12:10p	M W	Staff	SAC R-301	
98476	2:30p-5:40p	Tu Th	Staff	SAC R-303	06/15-08/06
	2:30p-5:40p	M W	Staff	SAC R-309	
98475	6:00p-9:10p	M W	Staff	SAC R-303	06/15-08/06
	6:00p-9:10p	Tu Th	Staff	SAC R-309	
CHEMISTRY 210, GENERAL, ORGANIC AND BIOCHEMISTRY					5.0 UNITS
<i>An introduction to the fundamental concepts of general, organic and biochemistry for majors in nursing and other allied health majors. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons, alcohol, aldehydes, ketones, carboxylic acids, carbohydrates, proteins, lipids, nucleic acids and metabolism.</i>					
Prerequisite: Chemistry 209 with a minimum grade of C OR passing grade on current chemistry placement exam and Mathematics 080 or 081 with a minimum grade of C.					
98472	8:00a-12:15p	M W	Staff	SAC R-318	06/15-08/06
	9:00a-12:10p	Tu Th	Staff	SAC R-302	
CHEMISTRY 219, GENERAL CHEMISTRY					5.0 UNITS
<i>Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.</i>					
Prerequisite: Mathematics 080 or 081 and Chemistry 209 with a minimum grade of C or Mathematics 080 or 081 with a minimum grade of C and a passing score on current chemistry placement test.					
98481	8:45a-10:10a	M Tu W Th	Staff	SAC R-126	06/15-08/06
	10:30a-1:40p	M Tu W Th	Staff	SAC R-309	

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS					5.0 UNITS
<i>Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.</i>					
Prerequisite: Chemistry 219 with a minimum grade of C.					
98477	12:15p-1:40p	M Tu W Th	Staff	SAC R-126	06/15-08/06
	2:00p-5:10p	M Tu W Th	Staff	SAC R-301	
CHEMISTRY 249, ORGANIC CHEMISTRY I					5.0 UNITS
<i>This course is the first semester of a year of organic chemistry. This course will cover: structure and bonding, nomenclature, descriptive chemistry, reaction mechanisms, synthetic methods and IR spectroscopy for different functional groups including alkanes, alkenes, alkynes, alkyl halides, organometallics, alcohols, and ethers. Laboratory will include: separations/purifications identification, and simple syntheses.</i>					
Prerequisite: Chemistry 229 with a minimum grade of C.					
98478	1:00p-2:25p	M Tu W Th	Staff	SAC R-318	06/15-08/06
	2:40p-5:50p	M Tu W Th	Staff	SAC R-302	

CHICANO STUDIES

CHICANO STUDIES 101, INTRODUCTION TO CHICANO STUDIES					3.0 UNITS
<i>An interdisciplinary survey of Chicano society from a sociological, economic, political, philosophical, and cultural perspective from pre-Columbian civilizations to contemporary society. This course is designed to present a foundation in Chicano history.</i>					
98124	7:30a-10:40a	M W	Briceno G	SAC VL-106	06/15-08/06
98134	6:00p-9:10p	Tu Th	Valles R	SAC I-107	06/16-08/06

COMMUNICATION STUDIES

COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION					3.0 UNITS
<i>Introduction to communication theory, listening, perception, language usage, non-verbal communication, and conflict management. Recommended for students who have completed or are currently enrolled in English 101.</i>					
98378	8:00a-12:15p	M W	Staff	SAC I-103	06/15-07/22
98383	9:15a-11:20a	Tu W Th	Staff	SAC C-213	06/16-08/06
98193	6:00p-10:15p	M W	Holder V	SAC C-202	06/15-07/22
98198	6:00p-10:15p	Tu Th	Holder V	SAC C-202	06/16-07/23
COMMUNICATION STUDIES 102, PUBLIC SPEAKING					3.0 UNITS
<i>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.</i>					
98385	8:00a-12:15p	M W	Pierce C	SAC C-214	06/15-07/22
98386	8:00a-12:15p	Tu Th	Pierce C	SAC C-214	06/16-07/23
98662	11:30a-1:35p	Tu W Th	Staff	SAC C-213	06/16-08/06
98387	6:00p-10:15p	M W	Pierce C	SAC C-214	06/15-07/22
98384	6:00p-10:15p	Tu Th	Fondren S	SAC C-213	06/16-07/23
COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE					3.0 UNITS
<i>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.</i>					
98390	8:00a-12:15p	Tu Th	Lockwood L	SAC C-207	06/16-07/23
98388	8:00a-12:15p	M W	Lockwood L	SAC C-207	06/15-07/22
98389	6:00p-10:15p	M W	Lockwood L	SAC C-207	06/15-07/22

COMMUNICATIONS & MEDIA STUDIES

COMMUNICATIONS & MEDIA STUDIES 298A, DESIGNING FOR PRINT AND DIGITAL MEDIA					3.0 UNITS
<i>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.</i>					
98395	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/15-07/23
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	
COMMUNICATIONS & MEDIA STUDIES 298B, INTERMEDIATE DESIGNING FOR PRINT AND DIGITAL MEDIA					3.0 UNITS
<i>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 CMSD 298A is required.</i>					
Prerequisite: Communications & Media Studies 298A with a minimum grade of C or upon approval of instructor.					
98397	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/15-07/23
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	

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 today's 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

98362	8:00a-12:15p	Tu Th	Dahlen N	SAC A-206	06/16-07/23
98357	12:30p-4:45p	M W	Harding G	SAC A-208	06/15-07/22

COMPUTER SCIENCE 104, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL 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					
98363	TBA		Kushida C	SAC A-108	06/08-08/06

Email instructor before the first week of class at kushida_cherylee@sac.edu. Students must have approval for this course before enrolling.

COUNSELING

COUNSELING 110, UNIVERSITY TRANSFER RESEARCH 2.0 UNITS
Development and enhancement of decision-making strategies for transfer students. Identification of educational/career goals. Analysis, comparison, and evaluation of university entrance, major, and post-graduate requirements, and student services. On-site research/field study at universities.

98032	8:00a-12:00p	Tu W Th F	Vargas M	SAC	06/09-06/12
	12:30p-4:30p	Tu W Th F	Zook R	SAC	

This is a four day field trip to Northern California Universities. Please apply through the University Transfer Center.

99586	8:00a-12:00p	Tu W Th F	Staff	SAC	06/09-06/12
	12:30p-4:30p	Tu W Th F	Staff	SAC	

This is a four day field trip to Northern California Universities. Please apply through the University Transfer Center.

COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3.0 UNITS
This course is designed to assist students in successfully establishing and achieving education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, and career and life plans.

Material Fee(s): \$18.50

98027			Sadler D	SAC WEB	06/15-07/09
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Online instruction plus mandatory orientation meeting: Mon, 6/15 or Tues. 6/16, 6:00-7:00p SAC L-222. Students are required to logon to Blackboard on the first day of classes, Mon, 6/15: <http://rsccd.blackboard.com>

98004	8:00a-12:15p	Tu Th	Gilmour D	SAC I-108	06/16-07/23
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COUNSELING 144, REASONING AND PROBLEM SOLVING 3.0 UNITS
The nature of critical thinking, models and strategies; common fallacies of reasoning, self-regulation in the thinking process; application of critical thinking to complex issues of life. Not open to students who are enrolled or have credit in Philosophy 144.

98047	6:00p-10:15p	Tu Th	Gilmour D	SAC I-108	06/16-07/23
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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.

98320	9:00a-1:15p	M W	Gonis Jr A	SAC H-207	06/15-07/22
98321	9:00a-1:15p	Tu Th	Gonis Jr A	SAC H-207	06/16-07/23
98322	6:00p-9:10p	Tu Th	Gonis Jr A	SAC H-207	06/16-08/06

CRIMINAL JUSTICE ACADEMIES

CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1.0 UNIT
Criminal justice career information will be provided. Emphasis will be on preparing students to successfully complete law enforcement pre-employment testing including oral boards, physical agility, and training academy requirements.

98005	6:00p-10:00p	Tu Th	Staff	CJTC-SD	06/16-07/14
	8:00a-12:00p	Sa	Staff	CJTC-SD	

Class is held at CJTC, 15991 Armstrong Tustin, CA 92782

CRIMINAL JUSTICE ACADEMIES 026A, TRAINING ACADEMY PREPARATION 0.1 - 0.3 UNITS
This course is designed to prepare the student for the Basic Law Enforcement Academy, CJA 100A. It will include drill, ceremony, physical training, reporting, and speeches.

Open Entry / Open Exit					
98003	7:00a-4:00p	Sa	Staff	CJTC-SD	06/20-06/27

enroll in .3 units for both class dates.

DANCE

DANCE 100, DANCE HISTORY AND APPRECIATION 3.0 UNITS
The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21st Century. Emphasizes the contemporary dance heritage of the United States.

98668			Westergard-Dobson C	SAC WEB	06/15-08/06
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Section 98668. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <http://rsccd.blackboard.com>

DANCE 119A, INTRODUCTION TO JAZZ DANCE 1.0 UNIT
Introduction to jazz dance technique emphasizing elementary movement technique, vocabulary, and creative expression. Includes an introduction to composition and cultural context of jazz. For students with little or no dance experience.

99519	5:00p-6:30p	M W	Jensen K	SAC G-108	06/15-08/05
	6:30p-7:00p	M W	Jensen K	SAC G-108	

DANCE 119B, INTRODUCTION TO JAZZ DANCE 1.0 UNIT
A refinement of basic jazz dance, emphasizing movement technique, vocabulary, and creative expression. Includes composition, the cultural context of jazz and contemporary jazz, dance forms. Movement repertoire differs from 119A.

99525	5:00p-6:30p	M W	Jensen K	SAC G-108	06/15-08/05
	6:30p-7:00p	M W	Jensen K	SAC G-108	

DANCE 123, INTRODUCTION TO SALSA DANCE 1.0 UNIT
An introduction to Salsa dance, including musicality, partnering, and patterns. Emphasis is on movement technique, dance vocabulary, and creative expression. Historical and contemporary forms are studied. Content varies each semester.

99527	7:00p-8:30p	Tu Th	Staff	SAC G-108	06/16-08/06
	8:30p-9:00p	Tu Th	Staff	SAC G-108	

DANCE 297, SPECIAL STUDIES IN JAZZ DANCE 1.0 UNIT
An intermediate/advanced level course offering individualized and accelerated instruction in jazz dance techniques.

99526	5:00p-6:30p	M W	Jensen K	SAC G-108	06/15-08/05
	6:30p-7:00p	M W	Jensen K	SAC G-108	

DIESEL

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

98204	6:00p-9:40p	M Tu W Th	Lopez Garcia L	SAC J-101	06/15-07/23
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EARTH SCIENCE

EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE 3.0 UNITS
A study of the processes that shape and form the Earth and define its place in the solar system. Introduction to the sciences of geology, oceanography, meteorology, and astronomy. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101.

98513	7:30a-10:40a	M Tu W Th	Coyne C	SAC A-130	06/15-07/09
98519	8:00a-12:35p	M Tu W Th F Sa Su	Coyne C	SAC UCI	07/24-08/02

Section 98519 This is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center.

98514	6:30p-9:40p	M Tu W Th	Domke K	SAC R-111	07/13-08/06
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EARTH SCIENCE 150, INTRODUCTION TO OCEANOGRAPHY 3.0 UNITS
Introductory study of the ocean and its topography, sediments, circulation, shoreline processes, biological productivity, and mineral resources (Same as Geology 150).

98518	12:30p-4:45p	Tu Th	Hughes P	SAC R-111	06/16-07/23
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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. MATH 080 or 081 is recommended.

98269	8:00a-12:15p	M W	Montes A	SAC I-208	06/15-07/22
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Prerequisite: MATH 060 or MATH 061 with a minimum grade of C.

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. MATH 080 or 081 is recommended.

98275	8:00a-12:15p	Tu Th	Montes A	SAC I-208	06/16-07/23
98271	6:00p-10:15p	M W	Montes A	SAC I-208	06/15-07/22

Prerequisite: MATH 060 or MATH 061 with a minimum grade of C.

EDUCATION

EDUCATION 204, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR SECONDARY TEACHERS 3.0 UNITS

Development of personal proficiency in educational technology to facilitate the teaching process. Training in computer hardware and software terminology; spreadsheets, word processing, publication, and presentation applications; Internet search and retrieval; information literacy; electronic communication and awareness of legal and ethical issues.

98345			Funaoka M	SAC WEB	06/15-08/06
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Section 98345 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

EDUCATION 205, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGY FOR ELEMENTARY TEACHERS 3.0 UNITS

Development of proficiency in educational technology to facilitate the teaching process. Training in computer hardware and software terminology; spreadsheet, word processing, publication, and presentation applications; Internet search and retrieval; information literacy; electronic communication and awareness of legal and ethical issues.

98344			Funaoka M	SAC WEB	06/15-08/06
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Section 98344 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

ENGINEERING

ENGINEERING 100A, INTRODUCTION TO ENGINEERING 2.0 UNITS

Introduction to major fields of engineering (including mechanical, electrical, industrial, biomedical, aerospace, and others). Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, projects, and guest speakers.

98373			Gallegos H	SAC WEB	06/15-08/06
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Section 98373 online instruction. No on campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor the first day of classes (Gallegos_Humberto@sac.edu) Make sure your current email is in personal information.

ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING/CONSTRUCTION (AEC) 2.0 UNITS

Introduction to the Architectural, Civil Engineering, Construction (AEC) fields. Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, and guest speakers.

98374			Strizic M	SAC WEB	06/15-08/06
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Section 98374 online instruction. No on campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor the first day of classes (Strizic_Michael@sac.edu) Make sure your current email is in personal information.

ENGINEERING 103, SOLIDWORKS BASIC SOLID MODELING 3.0 UNITS

Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies (Same as Manufacturing Technology 103). Suggested Preparation: Engineering 011.

98596	6:00p-9:10p	Tu Th	Buechler M	SAC T-203	06/16-08/06
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ENGINEERING 183, AUTOCAD I - COMPUTER AIDED DRAFTING 3.0 UNITS

A first course in computer drafting using AutoCAD software. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, graphic exchange.

Software Utilized: AutoCAD 2014

98372	6:00p-10:00p	M W	Galvez R Galvez R	SAC HYBRID SAC A-225	06/15-08/05
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Section 98372 online instruction plus mandatory on campus meetings every Mon. & Wed., 6:00p- 10:00p, SAC A-225.

ENGINEERING 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(Same as Manufacturing Technology 188).

98577	6:00p-10:15p	M Tu W Th	Kanzler D	SAC T-107	06/15-08/06
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ENGLISH

ENGLISH N60, BASICS OF EFFECTIVE WRITING 3.0 UNITS

Sentence structure and paragraph writing including reading-based modeling and integrated study skills. Not applicable to associate degree.

Prerequisite: English N50 with a minimum grade of C or qualifying profile from English placement process.

98017	8:00a-12:15p	M W	Dongell R	SAC VL-305	06/15-08/05
98109	12:30p-4:45p	M Tu W Th	Dahl A	SAC I-104	06/15-07/09

98019	6:00p-10:15p	Tu Th	Prothoro J	SAC VL-304	06/16-08/06
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ENGLISH 061, INTRODUCTION TO COMPOSITION 3.0 UNITS

Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar.

Prerequisite: English N60 with a minimum grade of C or qualifying profile from English placement process.

98077	7:30a-10:20a	M Tu W Th	Sosta R	SAC VL-310	06/15-07/23
98029	7:30a-10:20a	M Tu W Th	Brandon K	SAC VL-307	06/15-07/23
98024	8:00a-12:15p	Tu Th	Clark C	SAC VL-305	06/16-08/06
98058	10:30a-1:20p	M Tu W Th	Brandon K	SAC VL-307	06/15-07/23
98111	12:30p-4:45p	M Tu W Th	Rocke B	SAC VL-302	06/15-07/09

Section 98111 is an Express to Success course. Recommend enrollment second four week in section 98115.

98114 12:30p-4:45p M Tu W Th Dahl A SAC I-104 07/13-08/06

Section 98114 is an Express to Success course. Recommend enrollment first four week in section 98109.

98112 6:00p-10:15p M Tu W Th Muniz E SAC VL-207 06/15-07/09

Section 98112 is an Express to Success course. Recommend enrollment second four week in section 98116.

98023 6:00p-10:15p M W Dinh A SAC VL-303 06/15-08/05

ENGLISH 101, FRESHMAN COMPOSITION 4.0 UNITS

Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.

Prerequisite: English 061 or English for Multilingual Students 112 or Adult Basic Education 116 with a minimum grade of C or qualifying profile from English placement process.

98089	4:30p-6:50p	W	Bennett G Bennett G	SAC HYBRID SAC VL-309	06/15-07/23
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Section 98089 requires mandatory on-campus meetings on Wednesdays 6/17, 6/24, 7/8, 7/15 from 4:30-6:50pm in SAC VL-309. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email instructor the first week of class. (bennett_gary@sac.edu).

98125	3:00p-4:50p	M	Ramshaw C Ramshaw C	SAC HYBRID SAC I-107	06/29-08/03
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Section 98125 requires mandatory on-campus meetings on Mondays 6/29, 7/13, 8/3 from 3-4:50pm in SAC I-107. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

98095	7:30a-10:20a	M Tu W Th	Bromberger K	SAC VL-304	06/15-07/23
98096	7:30a-10:20a	M Tu W Th	Munoz J	SAC VL-308	06/15-07/23
98079	7:30a-10:20a	M Tu W Th	Bassett D	SAC VL-309	06/15-07/23
98025	8:00a-12:15p	M W	Cervantes M	SAC VL-303	06/15-08/05
98080	10:30a-1:20p	M Tu W Th	Axtell C	SAC VL-308	06/15-07/23
98084	10:30a-1:20p	M Tu W Th	Martinez Guzman D	SAC VL-306	06/15-07/23
98085	10:30a-1:20p	M Tu W Th	Bassett D	SAC VL-309	06/15-07/23
98115	12:30p-4:45p	M Tu W Th	Rocke B	SAC VL-109	07/13-08/06

Section 98115 is an Express to Success course. Recommend enrollment first four week in section 98111.

98087 1:30p-4:20p M Tu W Th Martinez Guzman D SAC VL-309 06/15-07/23

98081 1:30p-4:20p M Tu W Th Axtell C SAC VL-308 06/15-07/23

98082 4:30p-7:20p M Tu W Th Diller J SAC VL-308 06/15-07/23

98083 4:30p-7:20p M Tu W Th Friedman K SAC VL-307 06/15-07/23

98093 4:30p-7:20p M Tu W Th Kabaji N SAC VL-310 06/15-07/23

98116 6:00p-10:15p M Tu W Th Muniz E SAC I-104 07/13-08/09

Section 98116 is an Express to Success course. Recommend enrollment first four week in section 98112.

98118 6:00p-10:15p M Tu W Th Reid M SAC I-106 07/13-08/09

98113 6:00p-10:15p M Tu W Th Arnold G SAC I-106 06/15-07/09

98026 6:00p-10:15p Tu Th Mitzner R SAC VL-309 06/16-08/06

ENGLISH 102, LITERATURE AND COMPOSITION 4.0 UNITS

A second semester course in composition and literature that uses literature to develop critical thinking skills with extensive readings selected from the four major genres.

Prerequisite: English 101 or English 101H with a minimum grade of C.

98126	5:00p-6:50p	M	Ramshaw C Ramshaw C	SAC HYBRID SAC I-107	06/29-08/03
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Section 98126 requires mandatory on-campus meetings on Mondays 6/29, 7/13, 8/3 from 5-6:50pm in SAC I-107. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

ENGLISH 103, CRITICAL THINKING AND WRITING 4.0 UNITS

This course focuses on developing critical thinking, reading, and writing skills by studying established argumentative methods and models and applying them to contemporary issues. Emphasis will be on logical reasoning and analytical and argumentative skills necessary for critical writing.

Prerequisite: English 101 or 101H with a minimum grade of C.

98108	8:00a-9:50a	M Tu W Th F Sa Su	Beyersdorf M	SAC UCI	06/15-07/23
98102	10:30a-1:20p	M Tu W Th	Patterson K	SAC VL-310	06/15-07/23
98106	1:30p-4:20p	M Tu W Th	Kelley S	SAC VL-306	06/15-07/23
98107	4:30p-7:20p	M Tu W Th	Patterson K	SAC VL-306	06/15-07/23
98105	4:30p-7:20p	M Tu W Th	Pecenovic N	SAC I-102	06/15-07/23
98100	4:30p-7:30p	M Tu W Th	Acevedo C	SAC VL-312	06/15-07/23
98028	6:00p-10:15p	Tu Th	Bradley M	SAC VL-303	06/16-08/06

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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. Revision 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. Revision 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 but often make grammar mistakes when they write. Narrative, descriptive, and expository paragraph practice. Revision and editing. Complex grammar structures. Critical reading.

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 F-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.

98328 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 I 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

Introductory 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 Stanfield 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

98367 8:00a-12:15p Tu Th Booth B SAC I-109 06/16-07/23

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-105 06/16-07/23

98369 6:00p-10:15p Tu Th Deluna D SAC I-109 06/16-07/23

HISTORY 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES 3.0 UNITS

Survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

98370 8:00a-12:15p M W Veyna A SAC VL-110 06/15-07/22

98371 6:00p-10:15p M W Veyna A SAC VL-109 06/15-07/22

98375 6:00p-10:15p Tu Th Fernandez L SAC I-201 06/16-07/23

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

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HUMAN DEVELOPMENT

HUMAN DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1) 3.0 UNITS

This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, from conception through adolescence. Using developmental theories and research methodologies, course emphasis will be on 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			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 classes: http://rscdd.blackboard.com					
98337			Hardy M	SAC WEB	06/15-08/06
Section 98337 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com					
98338	11:00a-2:10p	M W	Naman T	SAC V-150	06/15-08/05

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	Funaoka 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 (funaoka_mary@sac.edu).					

HUMAN DEVELOPMENT 200, COMPUTER LITERACY FOR EARLY CHILDHOOD EDUCATORS 3.0 UNITS

An introduction to computer concepts and digital camera use strategies for child development teachers that will allow them to understand and evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Basic knowledge and practice in computer operation, word processing, internet operation and research, e-mail, and selecting software applications will be included.

98341	2:30p-5:40p	M W	Naman T	SAC T-203-1	06/15-08/05
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HUMAN DEVELOPMENT 205, EXCEPTIONALITY AND SPECIAL NEEDS IN HUMAN DEVELOPMENT 3.0 UNITS

Study of diseases and disorders found in children resulting in exceptionalities, including intellectual disability; visual, speech, and hearing impairments; behavior disorders, learning disabilities and physical and health impairments.

98342	6:00p-9:10p	M W	Maertzeiler Laney M	SAC V-150	06/15-08/05
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HUMAN DEVELOPMENT 214, CREATIVE ART EXPERIENCES FOR CHILDREN 1.5 UNITS

Emphasizes the child's (ages 2 through 8 years) ability to represent and expressively use art media. Includes theoretical as well as practical application and the role of adult in fostering creativity.

98343	5:00p-7:05p	Tu	Staff	SAC V-151	06/16-08/04
	7:15p-10:25p	Tu	Staff	SAC V-151	

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			Jones G	SAC WEB	06/15-08/06
Section 98509 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com . 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	06/29-08/06
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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
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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
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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
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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		SAC G-105	
98521	4:30p-6:35p	M W	Luppani M	SAC G-105	06/29-08/06
	2:15p-4:20p	Tu Th		SAC G-105	

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 drills 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.

98878	2:15p-4:20p	M W	Breig D	SAC G-105	06/29-08/06
	4:30p-6:35p	Tu Th		SAC G-105	
98923	4:30p-6:35p	M W	Luppani M	SAC G-105	06/29-08/06
	2:15p-4:20p	Tu Th		SAC G-105	

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.

98879	2:15p-4:20p	M W	Breig D	SAC G-105	06/29-08/06
	4:40p-6:35p	Tu Th		SAC G-105	
98939	4:30p-6:35p	M W	Luppani M	SAC G-105	06/29-08/06
	2:15p-4:20p	Tu Th		SAC G-105	

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 rules, techniques, safety, and improving performance.

99119	12:00p-2:05p	M Tu W Th	Baquero 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	Baquero 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, basic 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
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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.

98877	6:45p-9:45p	M Tu Th	Abbey T	SAC G-105	06/29-08/06
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KINESIOLOGY ADAPTED ACTIVITIES

KINESIOLOGY ADAPTED ACTIVITIES 201A, BEGINNING ADAPTED SWIMMING 1.0 UNIT

The class is designed for students with disabilities and chronic conditions to experience the benefits of swimming. Individualized exercise programs are designed to teach students adaptive strategies and beginning level techniques for pool entry/exit, breathing, and swim strokes to meet their individual needs.

98530	9:45a-11:50a	M Tu W Th	Sos B	SAC G-121	06/15-07/23
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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 walk/jog, step training, cardio boxing, weight training, and flexibility work-outs.

98529	7:30a-9:35a	M Tu W Th	Sos B	SAC G-105	06/15-07/23
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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
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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
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KINESIOLOGY AEROBIC FITNESS 156A, BEGINNING CARDIO KICKBOXING					1.0 UNIT
<i>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.</i>					
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 FITNESS 156B, INTERMEDIATE CARDIO KICKBOXING					1.0 UNIT
<i>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.</i>					
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

KINESIOLOGY AQUATICS 201A, BEGINNING SWIMMING					1.0 UNIT
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming.</i>					
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
<i>Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training.</i>					
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 FITNESS

KINESIOLOGY FITNESS 112A, BEGINNING CIRCUIT TRAINING					1.0 UNIT
<i>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 basics of a comprehensive exercise program that combines cardiovascular exercises with strength training.</i>					
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	Nyssen 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 FITNESS 112B, INTERMEDIATE CIRCUIT TRAINING					1.0 UNIT
<i>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 resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment.</i>					
Prerequisite: Kinesiology Fitness 112A with a minimum grade of C/P 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	Nyssen 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
99139	4:30p-6:35p	M Tu W Th	Staff	SAC E-102	06/15-07/23

KINESIOLOGY FITNESS 112C, ADVANCED CIRCUIT TRAINING					1.0 UNIT
<i>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.</i>					
Prerequisite: Kinesiology Fitness 112B with a minimum grade of C/P 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	Nyssen 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 HEALTH EDUCATION

KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING					3.0 UNITS
<i>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.</i>					
98527			Siddons A	SAC WEB	06/15-08/06
Section 98527 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. (siddons_al@sac.edu)					
98528			Sos B	SAC WEB	06/15-08/06
Section 98528 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. (sos_brian@sac.edu)					
98525			Nyssen A	SAC WEB	06/29-08/06
Section 98525 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 HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES					3.0 UNITS
<i>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.</i>					
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 104, NUTRITION AND FITNESS					2.0 UNITS
<i>An applied nutrition course to improve the nutrition and health of active individuals. The course will focus on lifestyle, disease prevention, fitness, weight control, and the basic concepts of good nutrition.</i>					
98548			Abbey T	SAC WEB	06/15-08/06
Section 98548 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. (abbey_troy@sac.edu)					
98553			Abbey T	SAC WEB	06/29-08/06
Section 98553 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. (abbey_troy@sac.edu)					

KINESIOLOGY INTERCOLLEGIATE ATHLETICS

KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES					1.0 UNIT
<i>An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.</i>					
98474	7:30a-9:35a	M Tu W Th	Baquero J	SAC G-103	06/29-08/06
98559	7:30a-9:35a	M Tu W Th	Vasquez J	SAC G-103	06/29-08/06
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 227, OFF SEASON WATER POLO					1.0 UNIT
<i>Instruction and experience in the fundamentals and strategies of the sport of water polo.</i>					
98560	5:45a-7:50a	M Tu W Th	Reyes A	SAC G-121	06/29-08/06
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 232, FOOTBALL					1.0 UNIT
<i>Basic elements of the game including fundamental skills in stance, footwork, tackling and blocking techniques will be presented. Offensive and defensive formations and strategies will be practiced.</i>					
Material Fee(s): \$5.00					
98520	3:00p-5:00p	Tu W Th	Jones G	SAC G-103	06/30-07/30
	5:10p-7:25p	Tu W Th	Nyssen A	SAC G-113	

KINESIOLOGY INTERCOLLEGIATE ATHLETICS 261, SOCCER-WOMEN					1.0 UNIT
<i>A high-level, competitive conditioning and skills program in soccer for women athletes with exceptional athletic talent.</i>					
98480	2:30p-4:35p	M Tu W Th	Baquero J	SAC G-118	06/29-08/06
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 281, TRACK AND FIELD - OFF SEASON					1.0 UNIT
<i>Students learn the principles involved with team ethics and values by working in positive cooperation with coaches and teammates. Students will learn the value of discipline, work ethic, commitment, and loyalty. Participants will work to improve technique, training, and competitive performance in track and field.</i>					
98535	7:30a-9:35a	M Tu W Th	Mitzel M	SAC G-113	06/29-08/06

KINESIOLOGY PROFESSIONAL

KINESIOLOGY PROFESSIONAL 125, SPORT PSYCHOLOGY					3.0 UNITS
<i>An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.</i>					
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)					
KINESIOLOGY PROFESSIONAL 150, SPORT AND SOCIETY					3.0 UNITS
<i>Examines the role of sport in modern society. Looks at how sport influences and shapes global attitudes among nations. Investigates the historical, social, economic, and political impact of sport on society.</i>					
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
<i>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.</i>					
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.

98547 6:00p-9:10p Tu Th Carr B SAC A-207 06/16-08/06

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.

98543 6:00p-9:10p M W Hobbs R SAC A-108 06/15-08/05
 98550 6:00p-9:10p Tu Th Woolgar D SAC A-108 06/16-08/06

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. Equips 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 Kanzler D 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 Kanzler D SAC T-107 06/15-08/05

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 LATHE **3.0 UNITS**
Computer assisted numerical control programming of machine tools using MASTERCAM lathe software. Emphasis placed on lathe toolpaths: 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 06/16-08/06

MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASIC SOLID MODELING **3.0 UNITS**
Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. Suggested preparation: MNFG 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 Kanzler D 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.

MATHEMATICS



MATHEMATICS COURSE ICONS

Graphing Calculators will be required.
 TI-84+ Recommended

All Math Courses 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.

MATHEMATICS N06, ESSENTIAL MATHEMATICS **3.0 UNITS**
Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable to associate degree.

Prerequisite: Must obtain a score of 11 or higher on the Level 1 Math Placement Test.
 98420 7:30a-10:20a M Tu W Th Rogers N SAC L-207 06/15-07/23

MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS **4.0 UNITS**
For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.

Prerequisite: Mathematics N05C with a minimum grade of P or Mathematics N06 with a minimum grade of C or placement into Mathematics N48 on the Math Level 1 Exam and a course equivalent to Mathematics N05 or N06.

98414 7:30a-10:20a M Tu W Th He L SAC R-113 06/15-07/23
 98416 10:30a-1:20p M Tu W Th Rogers N SAC R-113 06/15-07/23
 98417 1:30p-4:20p M Tu W Th Nguyen L SAC R-113 06/15-07/23
 98418 4:30p-7:20p M Tu W Th Galima L SAC R-113 06/15-07/23
 98419 7:30p-10:20p M Tu W Th Margo J SAC R-113 06/15-07/23

MATHEMATICS 060, ELEMENTARY ALGEBRA **4.0 UNITS**
A first course in algebra which includes solutions and applications of first and second degree equations, geometric concepts, graphs, inequalities, exponents, polynomials, and algebraic fractions.

Prerequisite: Mathematics N48 with a minimum grade of C; or placement into mathematics 060 on the mathematics level 1 or 2 placement exam and a course equivalent to Mathematics N48 or N47 (all four units).

98394 7:30a-10:20a M Tu W Th Nguyen K SAC H-104 06/15-07/23
 98396 10:30a-1:20p M Tu W Th Lui R SAC H-104 06/15-07/23
 98398 7:30p-10:20p M Tu W Th Mahoney J SAC H-104 06/15-07/23

MATHEMATICS 080, INTERMEDIATE ALGEBRA **4.0 UNITS**
Systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving.

Prerequisite: Mathematics 060 with a minimum grade of C or better; or placement into Mathematics 080 on the Mathematics Level 2 Placement Exam and a course equivalent to Mathematics 060.

98399 7:30a-11:00a M Tu W Th Romero M SAC H-109 06/15-07/23
 98401 11:15a-2:45p M Tu W Th Romero M SAC H-109 06/15-07/23
 98402 11:15a-2:45p M Tu W Th Powers R SAC R-114 06/15-07/23
 98403 3:00p-6:30p M Tu W Th Meyers Giddings J SAC H-109 06/15-07/23
 98400 6:45p-10:15p M Tu W Th Nguyen T SAC H-109 06/15-07/23

MATHEMATICS 083, BEGINNING AND INTERMEDIATE ALGEBRA FOR LIBERAL ARTS AND SOCIAL SCIENCE **6.0 UNITS**

A combined course in algebra that includes systems of equations, inequalities, graphs and functions, radicals, quadratic polynomials, rational expressions, exponential and logarithmic functions, and problem solving aimed specifically at liberal arts and social science majors.

Prerequisite: Mathematics N48 with a minimum grade of C; or a sufficient score on the Mathematics Level 2 Placement Exam and a course equivalent to Mathematics N48 or 060.

98410 8:00a-12:15p M Tu W Th Lechuga J SAC H-105 06/15-07/23

MATHEMATICS 084, BEGINNING AND INTERMEDIATE ALGEBRA **6.0 UNITS**
A combined course in algebra that includes systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, and problem solving.

Prerequisite: Mathematics N48 with a minimum grade of C; or a sufficient score on the Mathematics Level 2 Placement Exam and a course equivalent to Mathematics N48 or 060.

98411 8:00a-12:15p M Tu W Th Everett M SAC H-107 06/15-07/23

MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS **3.0 UNITS**
An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics.

Prerequisite: Mathematics 080 or 081 with a minimum grade of C or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or 081.

98405 4:30p-7:20p M Tu W Th Staff SAC H-104 06/15-07/23

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.

Academic Planning Questions?
www.sac.edu/online_counseling

MATHEMATICS 140, COLLEGE ALGEBRA **4.0 UNITS**

Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.

Prerequisite: Mathematics 080 or 081 with a minimum grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or 081.

98409	6:00p-8:00p	Th	Everett M Everett M	SAC WEB SAC R-114	06/15-07/23
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Section 98409 Available for Online Degree Pathway students. MANDATORY on-campus exam dates are Thurs, 7/02/15 and 7/23/15, 6:00p-8:00p, SAC R-114. Students are required to logon to Blackboard on the first day of class. <http://rscdd.blackboard.com>.

Section 98409 All Math Courses at SAC may include use of Computer Aided Instruction (CAI). Students may be required to submit assignments and/or quiz

98408	7:30a-10:20a	M Tu W Th	Kassman S	SAC R-114	06/15-07/23
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MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES **4.0 UNITS**

Single and multi-variable calculus including limits, derivatives, integrals, exponentials, and logarithmic functions and partial derivatives. Applications are drawn from biology, social science, and business.

Prerequisite: Mathematics 140 or Mathematics 145 with a minimum grade of C; or placement into Mathematics 150 on the Mathematics Level 3 Placement Exam and a course equivalent to Mathematics 140.

98456	3:00p-6:30p	M Tu W Th	Staff	SAC H-107	06/15-07/23
98458	6:45p-10:15p	M Tu W Th	Minasian A	SAC H-107	06/15-07/23

MATHEMATICS 160, TRIGONOMETRY **4.0 UNITS**

Angles and their measurement, trigonometry functions and their applications, including vector problems. Use of trigonometric identities. Graphing the basic functions and variations, solving trigonometric equations. Graphing using polar coordinates, and use of complex numbers.

Prerequisite: Both Mathematics 070 and 080 or 081 with a minimum grade of C; or placement in Mathematics 160 with the Mathematics Level 3 Exam and courses equivalent to Mathematics 070 and 080 or 081.

98467	7:30a-10:20a	M Tu W Th	Camacho O	SAC I-102	06/15-07/23
98449	1:30p-4:20p	M Tu W Th	Ghafoori M	SAC H-104	06/15-07/23
98450	7:00p-9:50p	M Tu W Th	Yi P	SAC H-105	06/15-07/23

MATHEMATICS 170, PRE-CALCULUS MATHEMATICS **4.0 UNITS**

Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.

Prerequisite: Mathematics 160 with a minimum grade of C or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 160.

98463	7:30a-11:00a	M Tu W Th	Le S	SAC I-204	06/15-07/23
98461	11:15a-2:45p	M Tu W Th	Brown Z	SAC I-203	06/15-07/23
98464	6:30p-10:00p	M Tu W Th	Lieu T	SAC I-203	06/15-07/23

MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS I **4.0 UNITS**

Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates, and areas.

Prerequisite: Mathematics 170 or Mathematics 167 with a minimum grade of C; or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 170.

98462	11:15a-2:45p	M Tu W Th	Nguyen H	SAC I-204	06/15-07/23
98465	6:30p-10:00p	M Tu W Th	Staff	SAC I-204	06/15-07/23

MATHEMATICS 185, ANALYTIC GEOMETRY AND CALCULUS II **4.0 UNITS**

Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences, and infinite series.

Prerequisite: Mathematics 180/180H with a minimum grade of C.

98460	7:30a-11:00a	M Tu W Th	Cedeno J	SAC I-203	06/15-07/23
98466	6:30p-10:00p	M Tu W Th	Youssef M	SAC R-318	06/15-07/23

MATHEMATICS 219, STATISTICS AND PROBABILITY **4.0 UNITS**

Beginning 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 Mathematics 081 with a minimum grade of C; or placement into Mathematics 219 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 080 or 081.

98421	7:30a-11:00a	M Tu W Th	Sweeney G	SAC H-108	06/15-07/23
98429	11:00a-2:30p	M Tu W Th	Leeds K	SAC L-207	06/15-07/23
98423	11:15a-2:45p	M Tu W Th	Tran L	SAC H-108	06/15-07/23
98425	3:00p-6:30p	M Tu W Th	Elgindi I	SAC H-108	06/15-07/23
98427	6:45p-10:15p	M Tu W Th	Maiah A	SAC H-108	06/15-07/23
98431	6:45p-10:15p	M Tu W Th	Staff	SAC L-207	06/15-07/23

MEDICAL ASSISTANT

MEDICAL ASSISTANT 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS **0.5 UNIT**

Presentation of California Occupational Safety and Health Act (Cal-OSHA) 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.

98451	8:00a-12:00p	M	Emley C	SAC R-307	07/13-07/13
	1:00p-5:00p	M	Emley C	SAC R-307	

MEDICAL ASSISTANT 051A, BEGINNING MEDICAL TERMINOLOGY **3.0 UNITS**

Introduction to medical terms including structural analysis of prefixes, combining form/roots, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-urinary, and reproductive systems. Also, terms related to pregnancy and the newborn.

98452	8:00a-12:15p	Tu Th	Emley C	SAC R-307	06/16-07/23
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MEDICAL ASSISTANT 056, 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.

98453	12:00p-4:15p	Tu Th	Seitz C	SAC R-303-1	06/16-07/23
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MUSIC

MUSIC 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.

97016			Lopez D	SAC WEB	06/15-08/16
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Available for Online Degree Pathway students. Students are required to logon to Blackboard on the first day of class. <http://rscdd.blackboard.com>.

98207			Jones E	SAC WEB	06/15-07/23
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Section 98207 No on-campus meetings. Enrolled students are required to logon to Blackboard on the first day of classes <http://rscdd.blackboard.com>. Email instructor the first week of class (jones_elliott@sac.edu).

98212	6:00p-10:15p	Tu Th	Jones J	SAC A-210	06/16-07/23
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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.

98214	11:00a-2:10p	M Tu W Th	Marr J	SAC N-117	07/13-08/06
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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.

98217	11:00a-2:10p	M Tu W Th	Kehlenbach E	SAC N-114	06/15-07/09
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MUSIC 161, CLASS PIANO I **1.0 UNIT**

Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

98255	10:00a-10:50a	M W	Jin J	SAC N-106	06/15-08/05
	11:00a-11:50a	M W	Jin J	SAC N-106	

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.

98222	7:30p-8:45p	Tu Th	Nguyen H	SAC N-106	06/16-07/23
	6:00p-7:15p	Tu Th	Nguyen H	SAC N-106	

MUSIC 178, MARIACHI **1.0 UNIT**

Mixed ensemble for the study, rehearsal, and performance of Mariachi repertoire with an emphasis on the music from Jalisco. Each semester requires the performance of different repertoire. Designed for students who have basic performance skills.

98218	6:00p-9:10p	M W	Viramontes E	SAC N-114	06/15-08/05
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NURSING-REGISTERED

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.

98455	12:30p-4:45p	Tu Th	Paunovic M	SAC R-128	06/16-07/23
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NRN-103 is part of the multi-criteria admission process for points. This course no longer requires a letter from Nursing to take the course prior to the first semester of the Nursing Program.

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, nutrition, and medical terminology. Completion required prior to entry into Nursing-Registered 102/102L.

Prerequisite: English 101/101H, Biology 149 or Biology 239, Biology 249, Biology 139 or 229 with a minimum grade of C.

98454	6:00p-9:10p	Tu Th	Haglund B	SAC R-128	06/16-07/09
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NRN-112 is part of the multi-criteria admission process for points. This course no longer requires a letter from Nursing to take the course prior to the first semester of the Nursing Program.

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

NUTRITION AND FOOD

NUTRITION AND FOOD 115, NUTRITION 3.0 UNITS
The function and sources of nutrients and their role in health and disease are assessed within the framework of anatomy, physiology, and chemistry. The course includes utilization of scientific methods to evaluate nutrition information, research, and application of current nutrition issues and controversies. The students will analyze their food intake.

98334			Mathot S	SAC WEB	06/15-08/06
Section 98334 is online instruction. Mandatory orientation meeting on Mon, 06/15, 5pm-7pm, SAC T-212. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com					
98333	11:00a-2:10p	M W	Staff	SAC T-212	06/15-08/05

PARALEGAL

PARALEGAL 101, LAW OFFICE MANAGEMENT 2.0 UNITS
Structure and procedures of the law office. Emphasis on organization of filing systems; litigation management; calendaring; tickler systems; indexing and summarizing documents; timekeeping; fees and billing; job search; and law office layout.

98312			Manzano F	SAC WEB	06/15-08/06
Section 98312 online instruction. No on campus meeting times. Students are required to login to Blackboard the first day of class: http://rscdd.blackboard.com . Make sure your current email is in personal information.					

PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY 2.0 UNITS
Ethics and professional responsibility for paralegals: fees, client funds, billing, advertising, solicitation, unauthorized practice, deceit, and confidentiality; conflict of interest, suppressing evidence, reporting misconduct and professional practice obligations.

98313			Manzano F	SAC WEB	06/15-08/06
Section 98313 online instruction. No on campus meeting times. Students are required to login to Blackboard the first day of class: http://rscdd.blackboard.com . Make sure your current email is in personal information.					

PARALEGAL 122, ELDER LAW 2.0 UNITS
Law and procedures for the aging population. Interviewing, advance directives, wills, trusts, guardianships, patients' rights in healthcare decisions, entitlement programs, managed care, long-term care insurance, viatical settlements, living facilities, financial planning, social security, and elder abuse.

98273	6:00p-10:15p	Tu	Smith K	SAC A-205	06/16-08/04
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PARALEGAL 132, FAMILY LAW AND PROCEDURE 2.0 UNITS
Study of basic substantive law and procedures in family law area: Court procedures for divorce, annulment, temporary and permanent support, restraining orders, division of community property, and child custody procedures including adoption and paternity actions.

98277	6:00p-10:15p	Th	Tanner W	SAC A-205	06/18-08/06
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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 preview 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
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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
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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. Strong verbal component.

98563	5:00p-7:05p	M W	Ross Jr J	SAC H-210	06/15-08/05
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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 056 for outpatient, PHAR 057 and PHAR 056 for inpatient, 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 receiving NP grades must repeat the rotation hours (40 hours increments).

Prerequisite: Completion of the following classes are pre-requisites for the respective Externship Rotation: Phar 056: Retail Pharmacy Externship Rotation Phar 057 and Phar 056: Inpatient Externship (hospital) and Retail Externship Phar 060: Sterile Products Externship Classes need to be completed with grades of C or better: current TB clearance; Communication Studies 097, 101, 101H or 102.
 Open Entry / Open Exit

98569	TBA		Huynh-Dang K	SAC H-210	06/07-08/16
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PHARMACY TECHNOLOGY 080, PHARMACY CALCULATIONS REVIEW 2.0 UNITS
Review of calculations related to drug dosage, measurements of strength, and preparations of medications. Includes interconversion of units in the metric and common systems of measurements. Emphasis on unit-cancellation for solving pharmacy situation problems.

Prerequisite: Pharmacy Technology 054 with a minimum grade of C.

98564	5:00p-7:05p	M W	Ross Jr J	SAC H-210	06/15-08/05
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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-5:40p	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, work, and democratic society.

Prerequisite: English 101/101H 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	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
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PHOTOGRAPHY

PHOTOGRAPHY 150, HISTORY OF PHOTOGRAPHY 3.0 UNITS
A survey of the history, aesthetics, and technical involvement 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
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PHYSICS

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

Prerequisite: Physics 217 and Mathematics 185 with a minimum grade of C.

98441	9:15a-11:20a	M Tu W Th	Staff	SAC R-328	06/15-07/23
	11:30a-1:35p	M Tu W Th	Staff	SAC R-328	

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 VL-311	07/13-08/06
98169	8:00a-12:45p	M W	Andrade P	SAC VL-205	06/15-07/22
98176	8:00a-12:15p	Tu Th	Kehlenbach E	SAC VL-207	06/16-07/23
98174	8:00a-12:15p	Tu Th	Valenzuela E	SAC VL-209	06/30-08/06
98171	9:15a-11:20a	M Tu W Th	Murphy T	SAC VL-208	06/29-08/06
98168	11:30a-1:35p	M Tu W Th	Murphy T	SAC VL-208	06/29-08/06
98172	12:30p-4:45p	M W	Andrade P	SAC VL-205	06/15-07/22
98175	12:30p-4:45p	Tu Th	Petri M	SAC VL-209	06/16-07/23
98178	12:30p-4:45p	Tu Th	Valenzuela E	SAC VL-105	06/30-08/06
98167	6:00p-10:15p	M W	Becker C	SAC VL-205	06/29-08/05
98177	6:00p-10:15p	Tu Th	Petri M	SAC VL-105	06/16-07/23
98170	6:00p-10:15p	Tu Th	Becker C	SAC VL-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 Tu W Th	Ortiz F	SAC I-207	06/15-07/09
98242	7:30a-10:40a	M W	Staff	SAC VL-107	06/15-08/05
98240	8:00a-12:15p	Tu Th	Staff	SAC VL-107	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-2:10p	M W	Staff	SAC VL-106	06/15-08/05
98244	11:00a-2:10p	Tu Th	Staff	SAC I-207	06/16-08/06
98237	6:30p-9:40p	M Tu W Th	Castillo R	SAC VL-107	07/13-08/06
98235	6:30p-9:40p	M Tu W Th	Castillo R	SAC I-104	06/15-07/09

PSYCHOLOGY 200, INTRODUCTION TO BIOLOGICAL PSYCHOLOGY 3.0 UNITS

Explores relationships between physiological structures of the body and human behavior. Focuses on the organization and function of the brain, spinal cord, peripheral nervous system, glands, sensory and perceptual systems. Relates physiological functioning to motivated behavior, addiction, and psychological disorders.

98238	7:30a-10:40a	M Tu W Th	Ortiz F	SAC I-201	07/13-08/06
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PSYCHOLOGY 210, STATISTICS FOR THE BEHAVIORAL SCIENCES 4.0 UNITS

Introduces psychology and behavioral science majors to descriptive and inferential statistical methods. Knowledge of these methods is essential to the understanding, interpretation, and performance of scientific research. Topics covered include probability theory, hypothesis testing, correlation, analysis of variance, the graphical representation of data, basic research design, and the use of computer software to perform statistical analyses.

Prerequisite: Mathematics 080 or Mathematics 081 with a minimum grade of C; OR placement into Psychology 210 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 080 or 081.

98245	12:30p-4:45p	Tu Th	Ortiz F	SAC VL-107	06/16-08/06
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PSYCHOLOGY 219, INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY 3.0 UNITS

Emphasizes methods of study in psychology including: sound and ethical experimental design, analysis of variables contributing to experimental results, data treatment, and communicating findings.

Prerequisite: Social Science 219 or Mathematics 219 (may be taken concurrently) and Psychology 100 with a minimum grade of C.

98246	11:30a-1:35p	M W	Castillo R	SAC VL-107	06/15-08/05
	1:50p-5:00p	M W	Castillo R	SAC VL-107	

PSYCHOLOGY 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY 3.0 UNITS

Introduction to the commonly diagnosed psychological disorders. Includes psychophysiological disorders, anxiety, depression, substance abuse, sexual dysfunctions, schizophrenia, developmental, cognitive, and personality disorders. Emphasis is on identification, symptomatology, etiology, and methods of therapeutic intervention.

Prerequisite: Psychology 100/100H with a minimum grade of C.

98241	11:30a-1:35p	M Tu W Th	Pedroza J	SAC VL-312	06/15-07/23
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READING

READING N90, COLLEGE READING 3.0 UNITS

Instruction in vocabulary, comprehension, critical evaluation and reading rate.

98247	8:00a-12:15p	Tu Th	Kossler W	SAC VL-109	06/16-07/23
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READING 150, CRITICAL READING 3.0 UNITS

This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading. Completion of or concurrent enrollment in English 101 recommended.

98199	8:00a-12:15p	M W	Gilreath G	SAC VL-109	06/15-07/23
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SIGN LANGUAGE

SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I 3.0 UNITS

This introductory course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension skills, modeling of grammatical structures, and general information about American Deaf culture. Sign Language 110 is equivalent to two years of high school ASL.

98152	7:30a-10:20a	Tu W Th	Yingst S	SAC I-206	06/16-07/23
98156	10:30a-1:20p	Tu W Th	Collins M	SAC I-206	06/16-07/23
98157	1:30p-4:20p	Tu W Th	Collins M	SAC I-206	06/16-07/23

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 4.0 UNITS

Beginning 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).

98422	7:30a-11:00a	M Tu W Th	Sweeney G	SAC H-108	06/15-07/23
98430	11:00a-2:30p	M Tu W Th	Leeds K	SAC L-207	06/15-07/23
98424	11:15a-2:45p	M Tu W Th	Tran L	SAC H-108	06/15-07/23
98426	3:00p-6:30p	M Tu W Th	Egindi I	SAC H-108	06/15-07/23
98428	6:45p-10:15p	M Tu W Th	Maiah A	SAC H-108	06/15-07/23
98433	6:45p-10:15p	M Tu W Th	Staff	SAC L-207	06/15-07/23

SOCIOLOGY

SOCIOLOGY 100, INTRODUCTION TO SOCIOLOGY 3.0 UNITS

The scientific study of human societies and behavior focusing on the process of social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change.

98121	5:30p-6:50p	M	Cicchelli G	SAC HYBRID	06/15-07/27
			Cicchelli G	SAC VL-204	

Section 98121 online instruction plus mandatory on campus meetings: Mondays 6/15, 6/29, 7/13 and 7/27 from 5:30-6:50pm in SAC VL-204. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Email instructor first week of class (cicchelli_giana@sac.edu)

97994	8:00a-12:15p	M W	Campbell A	SAC VL-302	06/15-07/22
97995	8:00a-12:15p	Tu Th	Wood S	SAC VL-302	06/16-07/23
98013	11:00a-2:10p	Tu Th	Jimenez I	SAC VL-304	06/16-08/06
97996	6:00p-10:15p	M W	King Y	SAC VL-302	06/15-07/22
98011	6:00p-9:10p	M W	Gutknecht D	SAC I-201	06/15-08/05
98119	7:30p-10:40p	M W	Staff	SAC VL-301	06/15-08/05

SOCIOLOGY 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS 3.0 UNITS

In-depth examination of the process of developing intimate relationships leading to committed partnerships and marriages with emphasis on effective communication techniques, understanding relationship dynamics, parenting, diverse family systems and overcoming family stressors at each life stage.

97997	8:00a-12:15p	Tu Th	Campbell A	SAC VL-303	06/16-07/23
98122	6:30p-9:40p	Tu Th	O'Dell R	SAC VL-305	06/16-08/06

SPANISH

SPANISH 101, ELEMENTARY SPANISH I 5.0 UNITS

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
			Galvan J	SAC VL-207	

Section 98181 combines online instruction with 5 mandatory on-campus meetings on Wednesdays 6/17, 6/24, 7/1, 7/15 and 7/22 from 11:00am-1:20pm in SAC room VL-207. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at galvan_javier@sac.edu.

98182	4:30p-6:50p	W	Galvan J	SAC HYBRID	06/15-07/23
			Galvan J	SAC VL-106	

Section 98182 combines online instruction with 5 mandatory on-campus meetings on Wednesdays 6/17, 6/24, 7/1, 7/15 and 7/22 from 4:30-6:50pm in SAC room VL-106. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at galvan_javier@sac.edu.

98183	1:00p-3:20p	Tu	Guerrero-Phlaum M	SAC HYBRID	06/15-07/23
			Guerrero-Phlaum M	SAC VL-207	

Section 98183 combines online instruction with 5 mandatory on-campus meetings on Tuesdays 6/16, 6/23, 6/30, 7/14 and 7/21 from 1:00-3:20pm in SAC room VL-207. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at guerrero_martha@sac.edu.

98186	2:00p-4:50p	Th	Lopez-Jaurequi L	SAC HYBRID	06/15-07/23
			Lopez-Jaurequi L	SAC VL-207	

Section 98186 is designed for Spanish speakers. It combines online instruction with 5 mandatory on-campus meetings on Thursdays 6/18, 6/25, 7/9, 7/16 and 7/23 from 2:00-4:50pm in SAC room VL-207. This class requires the book "Mundo 21" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at lopez_leticia@sac.edu.

98188	10:15a-12:50p	M Tu W Th	Fuentes Sanchez A	SAC VL-104	06/15-08/06
98189	7:00p-9:35p	M Tu W Th	Quezada V	SAC I-206	06/15-08/06

SPANISH 102, ELEMENTARY SPANISH II 5.0 UNITS

A college-level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish.

Prerequisite: Spanish 101/101H or two years of high school Spanish with a minimum grade of C.

98187	6:00p-8:50p	Th	Lopez-Jaurequi L	SAC HYBRID	06/15-07/23
			Lopez-Jaurequi L	SAC VL-209	

Section 98187 is designed for Spanish speakers. It combines online instruction with 5 mandatory on-campus meetings on Thursdays 6/18, 6/25, 7/9, 7/16 and 7/23 from 6:00-8:50pm in SAC room VL-209. This class requires the book "Mundo 21" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at lopez_leticia@sac.edu.

98184	9:00a-11:50a	Tu	Guerrero-Phlaum M	SAC HYBRID	06/15-07/23
			Guerrero-Phlaum M	SAC VL-106	

Section 98184 combines online instruction with 5 mandatory on-campus meetings on Tuesdays 6/16, 6/23, 6/30, 7/14 and 7/21 from 9:00-11:50am in SAC room VL-106. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor at guerrero_martha@sac.edu.

TV/VIDEO COMMUNICATIONS

TV/VIDEO COMMUNICATIONS 103, HISTORY OF FILM TO 1945	3.0 UNITS
<i>A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.</i>	
98141	2:30p-5:40p M W Staff SAC A-210 06/15-08/05
TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT	3.0 UNITS
<i>A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.</i>	
98144	6:30p-9:40p M W Staff SAC A-210 06/15-08/05

THEATRE ARTS

THEATRE ARTS 100, INTRODUCTION TO THEATRE	3.0 UNITS
<i>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.</i>	
98391	8:00a-12:15p Tu Th Cannon C SAC P-100 06/16-07/23
THEATRE ARTS 154, PERFORMANCE ENSEMBLE	2.0 UNITS
<i>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.</i>	
Prerequisite: Theatre Arts 110 with a minimum grade of C or audition.	
98392	1:30p-3:20p Tu W Th Cannon C SAC P-105 06/16-07/23
	3:30p-5:20p Tu W Th Cannon C SAC P-105

VIETNAMESE

VIETNAMESE 101, ELEMENTARY VIETNAMESE I	5.0 UNITS
<i>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.</i>	
98191	6:30p-9:05p M Tu W Th Tran D SAC VL-103 06/15-08/06

WELDING

WELDING 020, WELDING LABORATORY	0.5 UNIT
<i>Independent practice for advanced knowledge and skills development in specific areas of welding technology. Students furnish own equipment.</i>	
98601	1:30p-2:55p Tu Th Moreno G SAC K-101 06/16-08/06
WELDING 025A, INTERMEDIATE ARC WELDING LEVEL I	3.0 UNITS
<i>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).</i>	
Prerequisite: Welding 008 with a minimum grade of C and concurrent enrollment in Welding 020 and satisfactory completion of proficiency exam in arc welding skills.	
98602	8:00a-11:35a M Tu W Th Moreno G SAC K-101 06/15-08/06

WELDING 025B, INTERMEDIATE ARC WELDING LEVEL II	3.0 UNITS
<i>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. Student is introduced to the preparation of the 1" plate. This course will introduce the students to the Licensing Class D1.1. rules and regulations from the Department of Building and Safety with the city of Los Angeles. 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).</i>	
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
<i>Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bended test required for structural steel certification.</i>	
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
<i>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.</i>	
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
<i>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.</i>	
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
<i>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).</i>	
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



CELEBRATED PAST. BOUNDLESS FUTURE.

2015

summer

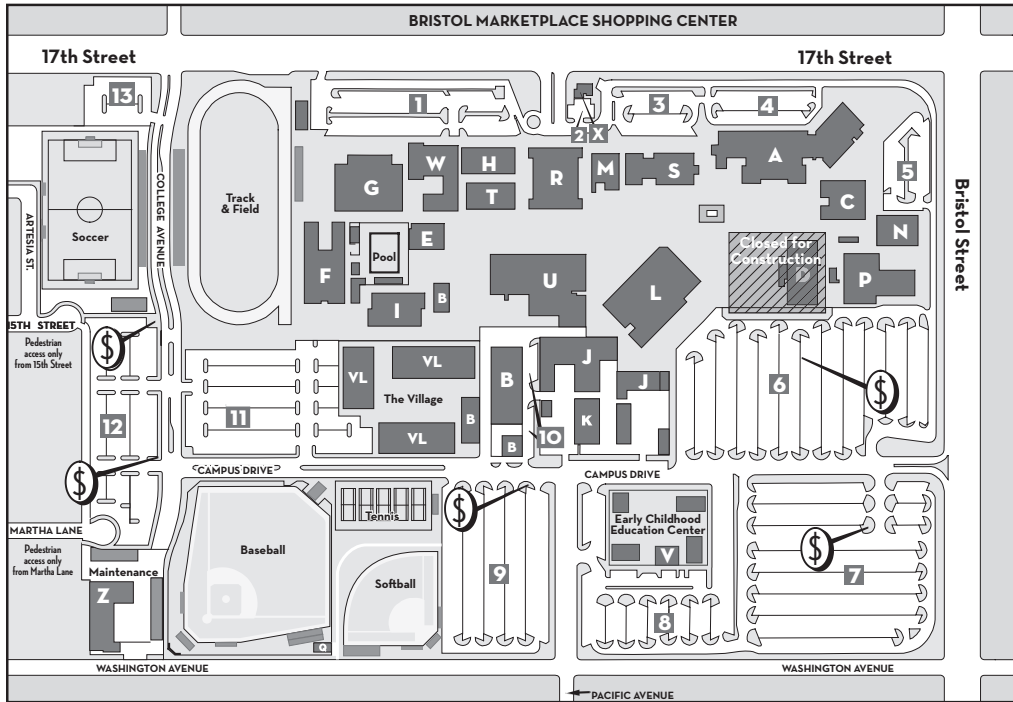
schedule of classes

June 15, 2015 – August 16, 2015



CELEBRATED PAST. BOUNDLESS FUTURE.

A complete list of classes available online: sac.edu



Santa Ana College
 1530 W. 17th Street
 Santa Ana, CA 92706
 714-564-6000

RSCCD Board of Trustees
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SAC Facilities & Locations

- | | | |
|--|--|----------------------------|
| A Cesar Chavez Building / Business / Computer | M Planetarium | W Kinesiology |
| B Middle College High School | N Music Building | X Security / Safety |
| C Fine Arts / Art Gallery | P Phillips Hall Theatre | Z Maintenance |
| D Dunlap Hall / Amphitheatre (west of building) | Q Concession | |
| E Fitness Center | R Russell Hall | |
| F Locker Rooms | S Administration Building / Admissions / Counseling | |
| G Cook Gym | T Technical Arts | |
| H Hammond Hall | U Johnson Center / Student Business Office / Bookstore / Cafeteria / International Students Program | |
| I Classroom Building | V Early Childhood Education Center | |
| J Auto Shop / Quick Center | VL The Village | |
| K Welding / Auto Diesel | | |
| L Nealey Library / Media Services | | |

SAC Parking

- 1** Staff Parking
- 2-3** Visitor Parking
- 4-5** Staff Parking
- 6-12** Student Parking (except as posted)
- \$** Permit Dispenser (\$2.00 for 8 hours)



Class Schedule Subject To Change The Rancho Santiago Community College District has made every reasonable effort to determine that everything stated in this class schedule is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the Rancho Santiago Community College District for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district.

Class Discontinuance Policy Any class in which there is not a minimum of 20 students enrolled by the beginning of instruction may be discontinued. Any class which does not maintain satisfactory attendance may be discontinued.

Nondiscrimination Policy The District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics. Inquiries regarding compliance and/or grievance procedures may be directed to RSCCD Title IX Officer and Section 504/ADA Coordinator: John Didion, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.