SUMMER @SAC

FOCUSED ON YOUR FUTURE
June 14 – August 8, 2021
SUMMER 2021
June 14 – August 8

PRESIDENT’S MESSAGE

You have made a wise investment in yourself. Your enrollment at Santa Ana College reflects your commitment to complete the requirements to earn one of our many Certificates of Achievement, Associate Degrees, transfer to a four-year university or earn a Bachelor of Science degree in Occupational Studies. This is your first act of many that will transform your life! Your decision to begin an educational journey at Santa Ana College can result in opportunities that will help you live a rich, full life. While you travel on your educational pathway, we are here to guide and help you every step of the way. We understand that you may face personal challenges that can hinder your progress and we are here to help you face and overcome these challenges. Please know that we, faculty, staff, and administrators look forward to celebrating every milestone along your educational path. You will find excellent instruction and supportive tutoring and counseling services to help you achieve your educational goals. Thank you for choosing Santa Ana College as the place to begin your journey in higher education!

– Interim President, Santa Ana College,
Marilyn Flores, Ph.D.

SANTA ANA COLLEGE
MISSION STATEMENT
Santa Ana College inspires, transforms, and empowers a diverse community of learners.
How to Apply and Register

NOTE: Please check that your email address is current in your student profile online in order to receive your username and password.

ADMISSIONS AND RECORDS SUMMER ONLINE HOURS: sac.edu/admissions
Monday–Thursday, 8:00 am–6:45 pm • Friday, 8:00 am–4:30 pm
Subject to change

STEP ONE:
To apply to Santa Ana College, complete an application online at sac.edu. Select “Apply” and “Apply Online Today!”. After submitting all of your information, you will receive an e-mail confirmation from CCCApply. Within 24- 48 business 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).

• Go to sac.edu and click on the “WebAdvisor” link.
• Click on “Log In” from the Main Menu.
• Log in (if you forget your password, go back to the Main Menu and click on the “What’s my password?” link).
• From the Menu, click on the “Student” tab.
• Click on “Register for Classes” from the Registration Menu.
• Follow the instructions to complete your registration.
• Pay immediately to keep your classes.

DROP FOR NON-PAYMENT POLICY
Enrollment fees must be paid IN FULL within 3 calendar days of registration or all of your classes may 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 may 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 may 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 may be dropped for non-payment. The
date that you register counts as the first calendar day.

Pay Online with a credit card at 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.

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: $300.00 per unit ($290.00 tuition + $10.00 capital outlay) in addition to the per
enrollment fee for non-resident students. Refer residency questions to the Admissions office.
Health Fee: $16.00 for intersession is charged to all students whether or not they choose to use health services.
Student Representation Fee: $2.00
Student Life and Leadership Fee: $5.00

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 is available at the Cashier’s Office, room VL-205B at Santa Ana College,
FREE of charge.

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 or not participating in the first course activity designated to account for active
enrollment may be dropped.

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.

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.
Summer Library Hours

Nealley Library Remote Services

Hours: Mon. - Thur. 7:30a to 9:30p • Fri. 9:00a to 1:00p • Sa. 10:00a to 2:00p • Sun. Closed

Circulation (Library Accounts and Textbook Reserves): (714) 564-6700
Reference (Research Assistance): (714) 564-6708

The library provides a variety of services and many useful print and online resources for the academic success of students and the informational needs of all.

- **Access to Library Resources:** The library's research databases remain available for accessing e-articles, e-books, and other online research materials 24/7. We have temporarily doubled our e-books collection due to free publisher access. Online research guides (LibGuides) are also used to point students to free and reliable web content.

- **Research and Informational Assistance:** Nealley librarians and staff are available to respond to information and research assistance requests via chat, email, Zoom, and phone. Details provided on the “Online Research and Informational Help” page.

- **Research Consultations:** Librarians are available to meet remotely with students on an appointment basis for in-depth research consultations, by Zoom or phone.

- **Textbook Reserves:** The eTextbooks@Nealley Library guide offers information on available digital course materials, and library staff are available to assist students remotely with locating eTextbook reserve options.

- **Library Research Workshops:** Students may participate in online library workshops: Finding Articles and Evaluating Online Information. For more information on how to enroll in these workshops via Canvas, visit our Online Workshops website.

- **Faculty Support:** Librarians are available to work with faculty remotely involving collection development, research support, information literacy instruction and IL curricular development needs. The Liaison Librarian list (within the Faculty Guide to Library Resources and Services) outlines librarian liaison assignments for divisions and departments.
CLASS AND INSTRUCTION METHODS

Classes are currently being taught using a variety of methods. Below you will find the different ways classes are being offered to students college-wide. When selecting a class, please take note of the method of instruction through which that class will be offered. For any questions regarding your classes, please contact your instructor or counselor.

Important notes for both Online, Hybrid and Remote Live or Remote Blended classes:

- Access to classes will be available on Canvas, rsccd.instructure.com, the first day of classes.
- Students on wait lists must email the instructor the first week of class to be considered for enrollment.
- Verify that your email address is current on WebAdvisor.
- Please contact the Distance Education Office if you are unable to login to access your Canvas class(es) at 714-564-6725 or by email: sac_disted@sac.edu
- Information regarding online learning, Canvas help and Frequently Asked Questions can be found at our website: sac.edu/disted

On campus required meeting dates, time and place, and instructor contact information can be found on WebAdvisor sac.edu/webadvisor

ONLINE (O) classes are time-flexible distance education classes with no scheduled meeting days. Students will log in to Canvas and complete work regularly throughout the week. Other technologies may be required to complete coursework.

Hybrid (H) classes that combine online learning with required live scheduled meetings. These meetings will be scheduled as Web or on-campus meetings. Location, dates, time and instructor contact information can be found on WebAdvisor sac.edu/webadvisor. Canvas and other technologies will be required to complete coursework.

REMOTE LIVE (RL) classes are distance education classes with scheduled virtual meeting days and times. Students will attend class virtually during the published course times. Canvas and other technologies will be required to complete coursework.

REMOTE BLENDED (RB) classes are distance education classes with both scheduled virtual meeting dates and times and scheduled on-campus meeting days and times. Canvas and other technologies will be required to complete coursework.

FACE TO FACE (F2F) classes are in person and on-campus with weekly scheduled meeting days and times. Students will complete the semester on campus unless the college is ordered to discontinue face to face classes. If face to face courses are discontinued, and the course cannot be completed through distance education, it will be cancelled.

HONORS CLASSES – Look for the Honors class torch symbol in the schedule.

TEXTBOOK AFFORDABILITY

OPEN EDUCATIONAL RESOURCES (OER)

Open Educational Resources (OER) refers to textbooks or online materials that are in the public domain or have a Creative Commons license. Classes listed with an OER symbol use free course materials unless noted in the course schedule comments. A course using Lumen Learning OER will charge a material fee for the online resource.

ZERO TEXTBOOK COST (ZTC)

Zero Textbook Cost (ZTC) refers to courses that eliminate conventional textbook costs by using alternative instructional materials and methodologies, including freely usable Open Educational Resources. Classes listed with a (ZTC) symbol use free course materials.

The college strives to ensure that the OER and ZTC designations are accurate; however, under some circumstances, faculty may have to adjust selection of instructional materials and this can affect course material costs.

It may also be necessary to change instructors. Replacement faculty have academic freedom to choose instructional materials regardless of costs and are not obligated to use free course materials selected by an instructor previously assigned to the class.
ACCT 035 – QUICKBOOKS I 2.0 UNITS
This is an introductory course on using Quickbooks software in the business environment for preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports and customization.

98414 McCallum M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

ACCT 101 – FINANCIAL ACCOUNTING 4.0 UNITS
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.

98416 6:00p-10:30p M W Wilson S RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

98417 6:00p-10:15p Tu Th Wilson S RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

98415 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com This class will require proctored exams using software. Students must have access to a webcam and a microphone.

98418 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com This class will require proctored exams using software. Students must have access to a webcam and a microphone.

98419 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com This class will require proctored exams using software. Students must have access to a webcam and a microphone.

ACCT 102 – MANAGERIAL ACCOUNTING 4.0 UNITS
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. Prerequisite: Accounting 101 with a minimum grade of C.

98420 6:00p-10:15p Tu Th Weinraub J RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

98421 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com This class will require proctored exams using software. Students must have access to a webcam and a microphone.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Meeting Times</th>
<th>Instructor</th>
<th>Type</th>
<th>Start Date</th>
<th>End Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 104</td>
<td>FEDERAL AND CALIFORNIA TAXES</td>
<td>4.0</td>
<td>Learn how to prepare federal and California state income tax returns for the individual. Learn tax theory and rules behind the Form 1040 and the most common IRS Schedules, such as Schedules A, B, C, D, E, and common income adjustments and tax credits. This course is CTEC qualified. This course may be repeatable as continuing education for professional certification.</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
<td>Sung L</td>
<td>ONLINE</td>
<td>06/14/08</td>
<td>08/08/08</td>
<td>AMERICAN SIGN LANGUAGE (ASL)</td>
</tr>
<tr>
<td>ASL 110</td>
<td>AMERICAN SIGN LANGUAGE I</td>
<td>4.0</td>
<td>This entry level 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 through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. Sign Language 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
<td>Collins M</td>
<td>ONLINE</td>
<td>06/14/07</td>
<td>07/25/08</td>
<td>AMERICAN SIGN LANGUAGE (ASL)</td>
</tr>
<tr>
<td>ASL 111</td>
<td>AMERICAN SIGN LANGUAGE II</td>
<td>4.0</td>
<td>The second course in the study of American Sign Language (ASL) focuses on increased vocabulary development, intermediate comprehension and conversational skills, application of grammatical structures and practice in the receptive and expressive aspects of ASL, as well as appreciation of American Deaf culture, and history. Students are required to attend at least one off campus event. Prerequisite: American Sign Language 110 with a minimum grade of C.</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
<td>Smith E</td>
<td>ONLINE</td>
<td>07/12/08</td>
<td>08/08/08</td>
<td>AMERICAN SIGN LANGUAGE (ASL)</td>
</tr>
<tr>
<td>ANTH 100</td>
<td>INTRODUCTION TO CULTURAL ANTHROPOLOGY</td>
<td>3.0</td>
<td>A cross-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. Field trips may be required.</td>
<td>Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
<td>Robertson M</td>
<td>RL</td>
<td>06/14/08</td>
<td>08/08/08</td>
<td>ANTHROPOLOGY (ANTH)</td>
</tr>
<tr>
<td>ANTH 101</td>
<td>INTRODUCTION TO PHYSICAL ANTHROPOLOGY</td>
<td>3.0</td>
<td>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.</td>
<td>Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
<td>Robertson M</td>
<td>RL</td>
<td>06/14/08</td>
<td>08/08/08</td>
<td>ANTHROPOLOGY (ANTH)</td>
</tr>
</tbody>
</table>
ANTH 101L – PHYSICAL ANTHROPOLOGY LABORATORY 1.0 UNIT
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.

Prerequisite: Anthropology 101 with a minimum grade of C or concurrent enrollment.

ART 100 – INTRODUCTION TO ART CONCEPTS 3.0 UNITS
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.

ART 100H – HONORS INTRODUCTION TO ART CONCEPTS 3.0 UNITS
Enriched exposure to a study of the visual arts in relation to personal and cultural expression with an emphasis on critical thinking and writing. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied in a seminar format.
ART 102 – SURVEY OF WESTERN ART HISTORY II: RENAISSANCE THROUGH THE TWENTIETH CENTURY  3.0 UNITS
The study of Western art history from the Renaissance through the 20th century. Art movements and individual painters, sculptors, architects, and printmakers will be presented within the context of the social, political, and intellectual histories of their respective periods. Required for art majors.
Recommended Preparation: English 101 or English 101H is recommended.

98550  Monroe J  ONLINE  06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ART 105 – HISTORY OF MODERN ART  3.0 UNITS
History of painting, sculpture, architecture, prints, and applied arts from the late nineteenth century through the twentieth century. Covers the formal philosophic, spiritual, and historical background of art from Post Impressionism to Post Modernism. For general students and art majors.

98549  Wilson E  ONLINE  06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ART 107 – HISTORY OF ANIMATION  3.0 UNITS
Critical and historical survey of animation as a form of communication and cultural expression, from prehistoric origins to present digital formats. Animation history is studied in relation to the background for its creation in contemporary culture and society including the U.S.A., Europe, and Japan. Students analyze and evaluate a large cross-section of animated works.

98556  Kumar A  ONLINE  06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ART 110 – TWO-DIMENSIONAL DESIGN  3.0 UNITS
Introduction to the principles and elements of two-dimensional design. Provides instruction in the fundamentals of visual communication including color theory, composition, and expression. Application of concepts through creative projects. Required for art majors.

98548  Hostetter D  ONLINE  07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ART 111 – THREE-DIMENSIONAL DESIGN  3.0 UNITS
Fundamentals of visual organization as applied to objects in-the-round. Visual space problems, structure, and dimensional terminology through creative projects in various media. Required for art majors.

98545  Staff  ONLINE  06/28-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ART 130 – INTRODUCTION TO DRAWING  3.0 UNITS
Introductory course in observational drawing, exploring line, form, proportion, composition, and a variety of media. Drawing from man-made and natural objects. Required for art majors.

98552  9:00a-11:10a  M Tu W Th  Lierly M  RL  06/14-07/08
11:20a-3:50p  M Tu W Th  Lierly M  RL
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

98542  Synicky C  ONLINE  07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com
ART 162 – DIGITAL ILLUSTRATION I 3.0 UNITS
Explores the essentials of Adobe design software and production tools for graphic designers. Focuses on professional studio techniques to master this essential design tool for the creation of sophisticated graphics. Emphasizes efficient workflow, technical proficiency and aesthetic judgment. Students produce portfolio-ready projects using a broad range of imaging skills. Primary software used includes Adobe Photoshop, supplemented with Adobe Illustrator and some time-based media software.
Prerequisite: Art 195 with a minimum grade of C or portfolio approval.

Material Fee(s): $15.00

98557  Fitch A  ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

ART 168 – GRAPHIC DESIGN II: BRANDING & IDENTITY 2.0 UNITS
A comprehensive design course serving as the capstone for all Digital Media Arts & Graphic Design programs. Students develop a career/transfer-ready digital portfolio through team-based branding and identity design development for multiple media applications. Focus is on both business and personal branding. Career goals, resumes, online portfolios, interviewing skills and customer service needs are addressed. 6 units of digital media oriented coursework recommended.
Prerequisite: Art 195 with a minimum grade of C.

Material Fee(s): $25.00

98559  McMillan J  ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

ART 195 – INTRODUCTION TO DIGITAL MEDIA ARTS 3.0 UNITS
Foundation-level course designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. This course includes an overview of industry-standard software, including Adobe Creative Cloud for digital design in montage, vector, layout and time-based media.

Material Fee(s): $15.00

98561  Clark S  06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

ART 230 – INTERMEDIATE DRAWING 3.0 UNITS
An intermediate course in the study of drawing designed to give students who have completed an introductory drawing course additional opportunity in graphic expression. Further exploration of materials including a wide variety of both drawing and mixed media. Students continue the development of composition and more intermediate concepts. The class emphasizes individual expression.
Prerequisite: Art 130 with a minimum grade of C.

98554
9:00a-11:10a M Tu W Th  Lierly M  RL 06/14-07/08
11:20a-3:50p M Tu W Th  Lierly M  RL
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rscssd.instructure.com. There will be no instruction on-campus.

98543  Synicky C  ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

ART 233 – ADVANCED DRAWING 3.0 UNITS
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.
Prerequisite: Art 230 with a minimum grade of C or portfolio review.

98555
9:00a-11:10a M Tu W Th  Lierly M  RL 06/14-07/08
11:20a-3:50p M Tu W Th  Lierly M  RL
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rscssd.instructure.com. There will be no instruction on-campus.

98544  Synicky C  ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
ASTRONOMY (ASTR)

ASTR 109 – INTRODUCTION TO THE SOLAR SYSTEM 3.0 UNITS
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.

R 98301 11:45a-1:55p M Tu W Th Gramada A RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

ASTR 110 – INTRODUCTION TO STARS AND GALAXIES 3.0 UNITS
Surveys the development of astronomy, current research and observations of stars, galaxies, and large-scaled structures in the universe. Exploration of light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies, and the universe’s structures and changes.

R 00244 9:00a-11:10a M Tu W Th Gramada A RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

AUTOMOTIVE TECHNOLOGY (AUTO)

AUTO 102 – AUTO ESSENTIALS 3.0 UNITS
Introduction to the primary automotive systems used on modern vehicles. Theory, parts nomenclature, and description of system operation are emphasized.

H 97966 8:00a-11:10a W Roper D HYBRID 06/14-08/08
Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. rsccd.instructure.com

AUTO 132 – ENGINE PERFORMANCE 5.0 UNITS
Engine performance procedures including fuel, ignition, oscilloscope, emission control, and computer systems. Hands-on testing and diagnosis is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A8 (Engine Performance) ASE certification exam.

H 97978 8:00a-12:15p Tu Th Rudd J HYBRID 06/14-08/08
The lecture portion for this class will be online with no on-campus meetings required. A portion of labs will be conducted in person on Tues and Thurs from 8am-12:15pm, SAC J-101. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed.

AUTO 176 – ENGINE REPAIR 4.5 UNITS
This course deals with teardown, assembly, and repair of modern automotive engines. Accurate engine measurement is highlighted. Hands-on practice of engine repair skills is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam.

H 98316 6:00p-9:35p M Tu W Th Bittner M HYBRID 06/14-07/22
The lecture portion for this class will be online with no on-campus meetings required. A portion of labs will be conducted in person on Mon, Tues, Wed, Thurs, 6p-9:35p, SAC J-102. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed.

AUTO 202 – AUTOMOTIVE INDEPENDENT SHOP OWNERSHIP 3.0 UNITS
This course will cover the business, logistics, equipment needs, hiring process, and customer service requirements to own and operate an independent automotive service and repair facility. Operating a safe working environment and maintaining a productive facility will be emphasized.

Recommended Preparation: Business 100 with a minimum grade of C.

C 98320 Sosebee M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
The lecture portion for this class will be online with no on-campus meetings required. A portion of labs will be conducted in person on Tues and Thurs, 6p-9:10p, SAC J-101. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

BIOLOGY (BIOL)

BIOL 109 – FUNDAMENTALS OF BIOLOGY 3.0 UNITS

BIOL 109L – FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT
Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.

BIOL 109 – FUNDAMENTALS OF BIOLOGY 3.0 UNITS

BIOL 109L – FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT
Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.

BIOLOGY (BIOL)

BIOL 109 – FUNDAMENTALS OF BIOLOGY 3.0 UNITS

BIOL 109L – FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT
Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.
BUS 101 – BUSINESS LAW 3.0 UNITS
Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of
governmental regulations. Intended for transfer to Cal State Northridge. All others see Law 105 and Bus 105.

Prerequisite: Successful completion of 10 units from Biotech course series.

BIOL 190L – INTRODUCTORY BIOTECH LAB 1.0 UNIT
This laboratory is a general examination of biology as it relates to the field of biotechnology. The laboratory
addresses basic skills and techniques common to the biotechnology industry. Topics include the measurement of
activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods.
This course is intended as a laboratory class for students majoring in applied biology and as a general education
laboratory option for all students.

Prerequisite: Biology 190 with a minimum grade of C or Concurrent enrollment in Biology 190.

BUS 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.

BIOL 197 – STEM INTERNSHIP/WORK EXPERIENCE 1.0 - 4.0 UNITS
Supervised paid or volunteer experience in student’s major including new or expanded responsibilities. 75 hours
of paid work or 60 hours of unpaid work equals one unit. Course may be taken 4 times for a maximum of 16 units
of occupational cooperative work experience credit.

Prerequisite: Successful completion of 10 units from Biotech course series.

BUSINESS (BUS)

BUS 101 – BUSINESS LAW 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.

BIOV 197 – STEM INTERNSHIP/WORK EXPERIENCE 1.0 - 4.0 UNITS
Supervised paid or volunteer experience in student’s major including new or expanded responsibilities. 75 hours
of paid work or 60 hours of unpaid work equals one unit. Course may be taken 4 times for a maximum of 16 units
of occupational cooperative work experience credit.

Prerequisite: Successful completion of 10 units from Biotech course series.

BUS 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.
SANTA ANA COLLEGE – SUMMER 2021

BUS 103 – COOPERATIVE WORK EXPERIENCE-OCUPATIONAL EDUCATION-OCUPATIONAL
1.0 - 4.0 UNITS

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

Open Entry / Open Exit

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<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>98216</td>
<td>Manzano M</td>
<td>ONLINE</td>
<td>06/14-08/08</td>
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Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

BUS 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. Intended for transfer to most Cal State including Cal State Fullerton. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.

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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 -students can receive credit for only one class BUS 105 OR LAW 105.

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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 -students can receive credit for only one class BUS 105 OR LAW 105.

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BUS 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.

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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

BUS 119 – DOING BUSINESS IN LATIN AMERICA AND ASIA
3.0 UNITS

Learn about the advantages of growing your business by doing business in other regions around the world. Learn about the cultural, linguistic, structural and legal differences in order to be successful in these countries. Learn about the advantages of growing your business by doing business in other regions around the world.

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<tr>
<td>98222</td>
<td>6:00p-9:10p</td>
<td>RL</td>
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Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.

BUS 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.

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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a $20 material fee with no additional textbook cost.

98216 Online (O) Time-flexible online lecture and materials with no scheduled meeting times

98253 Hybrid (H) Combination of online and live scheduled web or on-campus meetings

98254 Remote Live (RL) Live scheduled web meetings during published course times

98255 Remote Blended (RB) Live scheduled web & on-campus meetings during published dates and times

98222 Face to Face (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:

OER

ZTC

HONORS
BUS 130 – PERSONAL FINANCE 3.0 UNITS
This course is designed to empower individuals with various tools to manage their money and make sound lifelong financial decisions. Topics include financial planning, income and expense management, investment analysis, retirement planning, consumerism, insurance, estate planning, home ownership and credit management. This course uses financial, tax, and mathematical calculations. Students will take a hands-on approach to such learning and skill development with problem-solving assignments and projects that require them to explain information presented in tax forms and financial statements. They will also obtain the knowledge and skills required to convert financial information into portrayals that contribute to an understanding of present and future personal and family financial needs. Students will also be provided with opportunities to analyze and synthesize on documents and reports. They will develop the logical reasoning skills needed by informed and productive citizens. Moreover, instructors will (a) provide student-centered activity-based instruction, (b) emphasize the conceptual understanding and skills of mathematics and quantitative reasoning, and (c) facilitate the development of competence and confidence in problem-solving abilities.
Prerequisite: Mathematics N48 with a minimum grade of C or placement into Mathematics 083 according to the Santa Ana College Mathematics Department’s placement standards.

98423 Strong J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

BUS 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.

98241 Hester B ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BUS 222 – BUSINESS WRITING 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.
Prerequisite: English 101 or 101H with a minimum grade of C.

98223 Ursuy C ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98224 Wasserman J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BUSINESS APPLICATIONS (BA)

BA 035 – COMPUTER FUNDAMENTALS 1.5 UNITS
Learn current computer technology, understand hardware components, and software applications using current industry standards. Topics also include Internet, virus protection, networking, cloud computing, and WiFi. Helpful tips to make using the computer easier, faster and more efficient. Course is designed for beginner and experienced industry standards. Topics also include Internet, virus protection, networking, cloud computing, and WiFi. Helpful tips to make using the computer easier, faster and more efficient. Course is designed for beginner and experienced

98186 Morgan A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**Notes:**
- ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
- HYBRID (H) Combination of online and live scheduled web or on-campus meetings
- REMOTE LIVE (RL) Live scheduled web meetings during published course times
- REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
- FACE TO FACE (F2F) Meetings are on-campus during published course times
- Low cost or free textbooks:
  - OER
  - ZTC
  - HONORS
BA 110 – COMPUTER KEYBOARDING SKILLS 0.5 UNIT
This course is the first step in learning proper keyboarding techniques with accuracy using correct hand and finger positioning. Students will follow step-by-step instructions for all alphabet, punctuation, enter/return, and capitalization using shift keys. Typing correctly without errors will provide the skills necessary to develop speed with accuracy.

**00305**
Manzano M HYBRID 06/17-07/15
9:00a-10:00a  Th
Manzano M CANVAS

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**00308**
Manzano M HYBRID 06/17-07/15
9:00a-10:00a  Th
Manzano M CANVAS

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**98336**
Skaggs T ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**98337**
Manzano M HYBRID 06/14-08/08
9:00a-10:00a  M
Manzano M CANVAS

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**98356**
Manzano M HYBRID 06/15-07/13
9:00a-10:00a  Th
Manzano M CANVAS

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 115 – COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT 0.5 UNIT
After the basic keyboarding skills have been mastered, the most important next step is to take this course to develop and increase speed with accuracy. Students will use drills and timed writing tests to develop speed and accuracy to meet current business employment typing requirements and make the use of business technology faster and easier. Typing skills with a minimum 20 words per minute (WPM) using proper techniques or completion of BA 110 recommended.

**98357**
Skaggs T ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 147 – INTRODUCTION TO WINDOWS 1.5 UNITS
This course is designed for beginning and experienced computer users needing to update business technology skills in using Windows. Customize the Windows environment using the latest features including Start menu tiles, settings, task bar, pin apps, Cortana, Microsoft Edge browser, and OneNote. Learn File Explorer to manage files and folders more efficiently and use OneDrive for Cloud storage.

Software Utilized: Windows 10

**98358**
Morgan A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

OEF (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
BA 153 – SOCIAL MEDIA APPS FOR EMPLOYMENT AND BUSINESS 1.5 UNITS
Boost your career opportunities by learning the latest trends in using social media applications. Learn how to use all the features in the leading social media apps to find employment, promote a business, and network with professionals. Tips on how to improve the quality and effectiveness of your social media presence. Learn proactive and professional techniques in handling reviewer comments. Live stream videos on social media including from drones. Hands-on instruction in social media apps including LinkedIn, Facebook, Instagram, Twitter, YouTube, Yelp, Google, Pinterest, and Snapchat. This course is designed for beginner and experienced social media users.

98360 Andrus E ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 158 – DRONES FOR BUSINESS 1.5 UNITS
An introduction to using drone technology for business applications. Basic hands-on training to learn how to fly drones safely and legally. Topics include types of drones, how different industries use drones, taking photos and videos, FAA regulations (Part 107 remote pilot license), and flight insurance. Learn about starting a drone business and related careers (real estate, public safety, construction, engineering, media, delivery, insurance).

98361 Ostrowski E HYBRID 06/14-08/08
9:00a-10:30a Sa  Ostrowski E SAC A-130
Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 163 – ADOBE ACROBAT 3.0 UNITS
Learn to use Adobe Acrobat Pro DC to create, edit, sign, secure, and optimize PDF documents for print, web, and email. Topics include create fillable PDF forms, combine and arrange multiple files, convert PDF to Microsoft Office file formats, insert multimedia (graphics, video, audio), add security (restrictions with passwords), accessibility compliance, digital signatures, review process (add comments, proofing marks), page links, bookmarks, Bates Numbering, and Redact tool for redacting text for legal and business documents.

98364 Dumon D ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

BA 164 – ADOBE PHOTOSHOP 3.0 UNITS
Learn to use Adobe Photoshop for photo image editing to enhance print and web business and marketing projects based on current industry standards and proper techniques. Topics include graphics terminology, color correction, stock images, photo repair and restoration, proper file setup, export, masking, filters, special effects, and editing video. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry-recognized certification.

Software Utilized: Adobe Photoshop CC

98365 Dumon D ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

BA 179 – INTRODUCTION TO MICROSOFT OFFICE 3.0 UNITS
This course is designed for beginning and experienced computer users needing to build and update business technology skills in using Microsoft Office Word, Excel, and PowerPoint. Learn to use the essential features and proper techniques to create, edit, format, export PDF, and print professional business documents, spreadsheets, and presentations. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification in Word, Excel, and PowerPoint.

Software Utilized: MS Office 2019

98366 Morgan A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

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FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
BA 182 – DOCUMENT SHARING AND COLLABORATION USING THE CLOUD AND GOOGLE APPS  
2.0 UNITS

Learn how to use cloud computing technology to create, edit, and share documents, photos, forms, and videos online with other users using Google Apps, Google Drive, and Google Docs. Integrate Google Docs with Microsoft Office applications. This class is helpful for business professionals, teachers, and students. Google Classroom makes it easy for learning inside and outside of school. Other cloud computing apps will also be discussed in class such as Microsoft OneDrive and Dropbox.

98367  Manzano M    ONLINE    06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com  Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 188 – MICROSOFT EXCEL  
2.0 UNITS

This course is designed for beginning and experienced computer users needing to build and update business technology skills to produce professional Excel worksheets. Learn proper techniques using current business standards to create, edit, format, export PDF, and print worksheets. Topics include insert images, graphics, charts, functions, and formulas. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

Software Utilized: MS Excel 2019

98369  Nguyen T    ONLINE    06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

CHEMISTRY (CHEM)  

CHEM 109 – CHEMISTRY IN THE COMMUNITY  
4.0 UNITS

The non-science major will study practical applications of chemistry and the chemical principles behind them including: the scientific method, atomic structure, molecular models, and chemical reactions. Environmental and community issues will be the focus of student centered laboratories, discussions and field trips. Group work and computer activities will be used in this cooperative learning environment.

97424  Jenkins C    ONLINE    06/14-08/08
Online Degree Pathway course. Registration open to all students. Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com  There is no additional textbook cost for this ZTC class.

97425  Pratt C    ONLINE    06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

CHEM 209 – INTRODUCTORY CHEMISTRY  
4.0 UNITS


Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

97427  McAdam J    RL    06/14-08/05
8:30a-11:40a  8:30a-11:40a  M W  Tu Th
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rscd.instructure.com  There will be no instruction on-campus.

97429  Visco L    RL    06/14-08/05
8:30a-11:40a  8:30a-11:40a  M W  Tu Th
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rscd.instructure.com  There will be no instruction on-campus.

97428  Yamada T    RL    06/14-08/05
6:00p-9:10p  6:00p-9:10p  M W  Tu Th
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rscd.instructure.com  There will be no instruction on-campus.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
CHEM 219 – GENERAL CHEMISTRY 5.0 UNITS
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.
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C and Chemistry 209 with a minimum grade of C or a passing score on current chemistry placement test.

CHEM 229 – GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5.0 UNITS
Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.
Prerequisite: Chemistry 219 with a minimum grade of C.

CHICANO STUDIES (CHST) 3.0 UNITS
This course is an introduction to the field of Chicana/o/@/x/e Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/o/@/x/e experience in the United States. As such, the course is interdisciplinary in nature and critically analyzes the societal context in which Chicanas/os/@/xs/es have sought to maintain their culture. This course is designed to present a foundation in Chicana/o/@/x/e Studies.

CHILD DEVELOPMENT (CDEV) 3.0 UNITS
This course examines the major physical, cognitive, social and emotional developmental milestones for children, from conception through adolescence. Emphasis on interactions between maturational processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (No credit if student has taken Psychology 157.)

CHST 101 – INTRODUCTION TO CHICANA/O STUDIES 3.0 UNITS
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

CDEV 107 – CHILD GROWTH AND DEVELOPMENT (DS1) 3.0 UNITS
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

CDEV 108 – OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT (DS3)
3.0 UNITS
This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.
Prerequisite: Child Development 107 with a minimum grade of C. Negative TB Test (must be completed before observations take place during the semester). By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

CDEV 110 – CHILD, FAMILY, AND COMMUNITY (DS2)
3.0 UNITS
The processes of socialization focusing on interrelationship of family, school, and community. Examines the influence of multiple societal context. Explores the role of collaboration between family, community, and schools in supporting children's development.

98470
Kimmel M
ONLINE
06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additonal textbook cost for this ZTC class.

98471
Kimmel M
ONLINE
06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additonal textbook cost for this ZTC class.

98472
Naman T
ONLINE
06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98473
Hardy M
ONLINE
06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98474
Lamourelle C
HYBRID
06/14-08/08
6:00p-8:00p
Tu
Staff
CANVAS
Hybrid instruction. A combination of online and live streaming during the days and times indicated. Students log in to Canvas rscdd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98476
Deusenberry J
ONLINE
06/14-08/08
5:30p-7:30p
W
Staff
CANVAS
Hybrid instruction. A combination of online and live streaming instruction on Wed, 06/16, 06/23, 06/30, 07/07, 07/14, 07/21, 07/28, 08/04, 5:30p-7:30p. Students log in to Canvas rscdd.instructure.com. There will be no instruction on-campus.

98477
Staff
HYBRID
06/14-07/11
9:00a-12:00p
Th
Hybrid instruction. A combination of online and live streaming instruction on Thurs, 06/17, 06/24, 07/01, 07/08, 9:00a-12:00p. Students log in to Canvas rscdd.instructure.com. There will be no instruction on-campus.

98478
Funaoka M
ONLINE
06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com

98479
Funaoka M
ONLINE
06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com
CDEV 112 – HEALTH, SAFETY, AND NUTRITION FOR CHILDREN 3.0 UNITS
This course examines the regulations, policies, procedures and best practices for early childhood curriculum related to health, safety, food, and nutrition while supporting child development through everyday planning and school programming. The importance of collaboration between families and health and school professionals to ensure physical and mental health of all children, families, and professionals will be explored. Students will have to show proof of negative TB test results by the 4th week of the semester. Observations to local child development centers will be included.

98480  Hardy M  ONLINE 06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98481  Hardy M  ONLINE 06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

CDEV 200 – INTRODUCTION TO TECHNOLOGY IN EARLY CHILDHOOD EDUCATION 2.0 UNITS
This course provides students knowledge about and experience with technological tools used in early childhood settings. Students will have the opportunity to evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Emphasis will be on basic knowledge and practice in a wide variety of current and emerging technologies and how to integrate them in the learning environment.

98482  Naman T  ONLINE 06/14-07/09
Accelerated 4-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. There is no additional textbook cost for this ZTC class.

CDEV 205 – INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS 3.0 UNITS
Introduces the variations in development of children and adolescents with special needs, and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to individuals with special needs, and the identification and referral process.

98483  Kimmel M  ONLINE 06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98484  Kimmel M  ONLINE 06/14-07/23
Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

CDEV 210 – CREATIVE MUSIC EXPERIENCES FOR YOUNG CHILDREN 2.0 UNITS
Explores musical expression through songs and ballads, the elements of music, and diverse types of instruments as used in the early childhood curriculum. Includes the study of musical growth and development in young children and the use of music as a classroom management tool.

98487  Deusenberry J  HYBRID 06/14-07/23
6:00p-8:00p  M  Staff CANVAS
Hybrid instruction. A combination of online and live streaming instruction on Mon, 06/14, 06/21, 06/28, 07/12, 07/19, 6:00p-8:00p. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

CDEV 221 – LIVING AND TEACHING IN A DIVERSE SOCIETY 3.0 UNITS
Examination of the development of social identities in diverse societies, and implications of oppression and privilege, as they apply to young children, families, programs, classrooms, and teaching. Classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches, self-examination, and reflection on issues related to social identity, stereotypes and bias, social and educational access, media, and schooling.

98485  Seneviratne A  HYBRID 06/14-08/08
6:00p-8:00p  W  Staff CANVAS
Hybrid instruction. A combination of online and live streaming during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

98486  Funaoka M  ONLINE 06/14-07/09
Accelerated 4-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com
CDEV 229 – BRAIN DEVELOPMENT AND LEARNING  2.0 UNITS
This class explores the development of the brain for children from birth through adolescence, and how behavior and learning are affected. Brain-based learning strategies will be used to teach new ways of approaching learning including how to understand diverse learning styles. This course is designed for educators, parents, and students who are interested in knowing more about how the brain operates and how environment affects the brain.

98488  Lamoureelle C  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

CDEV 232 – MATH AND SCIENCE METHODS FOR EARLY LEARNING ENVIRONMENTS  2.0 UNITS
Introduces early learning teachers to basic math and science principles and the standards established by the National Council of Teachers of Mathematics, National Science Content Standards for early learning environments and Next Generation Science Standards. This course includes theoretical and practical applications for problem-solving and critical thinking that are common to math and science. Students will develop a personal file of appropriate math/science activities for early learning.

98489  Seneviratne A  HYBRID  06/14-07/23
6:00p-8:30p  Tu
Hybrid instruction. A combination of online and live streaming instruction on Tues, 06/15, 06/22, 06/29, 07/06, 07/13, 07/20, 6:00p-8:30p. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

COMMUNICATION STUDIES (CMST)

CMST 101 – INTRODUCTION TO INTERPERSONAL COMMUNICATION  3.0 UNITS
Introduction to communication theory, rhetoric, listening, perception, language usage, nonverbal communication, and conflict management. Students participate in oral and written exercises and simulations; these activities are designed to enhance communicative awareness and skills in interpersonal contexts. It is designed to assist students in improving their own interpersonal and oral communication skills.
Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H with a minimum grade of C.

98582  Labreau K  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class

98583  Pierce C  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class

98585  Rehm D  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98586  Rehm D  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98587  Saterfield K  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98588  Saterfield K  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

CMST 102 – PUBLIC SPEAKING  3.0 UNITS
Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations.
Recommended Preparation: Communication Studies 097 recommended for non-native speakers of English.

98575  Ayala E  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS

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

COMMUNICATIONS & MEDIA STUDIES (CMSD)

CMSD 105 – MASS MEDIA AND SOCIETY 3.0 UNITS
Exploration of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Examines major media forms, theories and effects in our information-conscious culture.

COMPUTER SCIENCE (CMPR)

CMPR 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 2019/365

98576 Ayala E ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98577 Cummings R ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class

98578 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98579 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98580 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98581 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98584 Pierce C ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98580 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98581 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98582 Lockwood L ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98562 Little C ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98242 Nguyen H ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98243 Quach N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98242 Nguyen H ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98243 Quach N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98243 Quach N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98243 Quach N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98243 Quach N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com
CMPR 105 – VISUAL BASIC PROGRAMMING  3.0 UNITS
Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience required. Students will write programs on PC compatible computers.
Software Utilized: Microsoft Visual Basic.NET

98245 6:00p-9:10p Tu Th Sim J RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.
rsccd.instructure.com. There will be no instruction on-campus.

CMPR 112 – JAVA PROGRAMMING  3.0 UNITS
Study of the Java language, its features and applications.
Software Utilized: Java 2 SDK V 1.4.2

98244 6:00p-9:20p M W Quach N RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.
rsccd.instructure.com. There will be no instruction on-campus.

CMPR 134 – MICROSOFT WINDOWS OPERATING SYSTEM  3.0 UNITS
Microsoft Windows operating system. Course topics include installation, configuration, application installation and management, hardware configurations, file and information management, security, managing user accounts, networking, digital media, system maintenance and management, desk top management, and utilization of cloud storage.

98246 Sim J HYBRID 06/14-08/08
Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

COUNSELING (CNSL)

CNSL 100 – LIFELONG UNDERSTANDING AND SELF DEVELOPMENT  2.0 UNITS
Integrates concepts of lifelong understanding pertaining to career choice, educational planning, and self inventory. Skills, values, and interest assessments are utilized. Emphasis is on applying psychological principles to values clarification, goal setting, and decision making. Students analyze social/cultural conditioning and explore successful strategies for living in a diverse society.

00467 7:45a-11:05a Tu Th Ruiz L SEG 06/07-07/09
Dual-Enrollment Segerstrom High School

97128 9:00a-2:05p M W Tharani D I-101 06/28-07/25
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98113 9:00a-11:10a Tu W Th Lopez Ediss C SAHS 06/07-07/09
Dual-Enrollment: Santa Ana High School Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 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): $16.00

00480 7:45a-11:05a Tu W Th Camarena M SEG 06/07-07/09
Dual-Enrollment Segerstrom High School Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97133 8:00a-12:15p Tu Th Huynh J I-108 06/14-07/25
Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97134 9:00a-1:15p Tu Th Pineda M I-109 06/14-07/25
SSSTRIO program only Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
97135 9:00a-1:50p M W Pastrana L I-109 06/14-07/25
SSSTRI program only Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97132 5:25p-10:15p M W Beirne C I-101 06/14-07/25
Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97130 Nguyen T ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 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.

97139 5:25p-10:15p M W Gonzalez Santillan R I-108 06/14-07/25
97137 Macintyre M ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com

97138 Macintyre M ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com

CNSL 150 – INTRODUCTION TO HUMAN SERVICES 3.0 UNITS
The history and philosophy of human services including theoretical frameworks, the function and orientation of human service organizations and the roles and qualifications of human service workers. A study of the target populations served by the human services and the professional, ethical, and cultural issues facing the human service field.

97142 Robledo J ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscdd.instructure.com

CRIMINAL JUSTICE (CJ) 3.0 UNITS

CJ 101 – INTRODUCTION TO CRIMINAL JUSTICE
This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process are examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.

97878 7:00a-10:10a M Tu W Th Gonis Jr A RL 07/12-08/05
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rscdd.instructure.com. There will be no instruction on-campus

CJ 103 – CONCEPTS OF CRIMINAL LAW 3.0 UNITS
Analysis of criminal liability and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. Limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

97879 10:20a-1:30p M Tu W Th Gonis Jr A RL 07/12-08/05
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rscdd.instructure.com. There will be no instruction on-campus

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
Criminal Justice Academies (CJA)

**CJA 006B – ARREST AND CONTROL TRAINING/ACT** 0.1 - 0.5 UNITS
This course builds upon the student’s existing skills and knowledge in the legal, safe, and proper application of arrest and control techniques in the law enforcement environment. Instruction includes safe and proper use of ground fighting techniques, use of chemical weapons, use of non-lethal weapons, use of carotid control technique, and current case law.

Prerequisite: Criminal Justice Academies 099A or Criminal Justice Academies 099D with a minimum grade of C or Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy or equivalent as determined by the Assistant Dean of Criminal Justice Academies. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

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<tr>
<td>99987</td>
<td>Sa</td>
<td>4:00p-8:00p</td>
<td>Staff</td>
<td>OCSD</td>
<td>06/12-06/12</td>
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<td>06/17-06/17</td>
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<tr>
<td>99989</td>
<td>Th</td>
<td>4:00p-8:00p</td>
<td>Staff</td>
<td>OCSD</td>
<td>06/24-06/24</td>
</tr>
</tbody>
</table>

**CJA 010 – PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT** 1.5 UNITS
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.

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<tr>
<th>CRN</th>
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<th>Dates</th>
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<td>99987</td>
<td>Sa</td>
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<td>Stevens H</td>
<td>CJTC-SD</td>
<td>07/06-07/31</td>
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<td></td>
<td>Tu</td>
<td>5:30p-9:30p</td>
<td>Staff</td>
<td>CJTC-SD</td>
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**CJA 026A – TRAINING ACADEMY PREPARATION** 0.3 UNIT
This course is designed to prepare the student for the Basic Law Enforcement Academy. It will include drill, ceremony, physical training, reporting, and speeches.

Open Entry / Open Exit

<table>
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<td>Sa</td>
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<td>Stevens H</td>
<td>CJTC-SD</td>
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</tr>
</tbody>
</table>

**CJA 034C – LAW ENFORCEMENT UPDATE** 0.2 - 0.5 UNITS
Course is designed to provide both sworn and non-sworn law enforcement personnel with training that is mandated for their continued professional certification and employment. All instruction is either POST or STC certified.

Prerequisite: Criminal Justice Academy 099A with a minimum grade of Pass or, POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. Fundamental terms, concepts, laws and procedures basic to California law enforcement will not be taught or explained. NOTE: Approval of equivalent trai

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<tr>
<td>00151</td>
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<td>00205</td>
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<td>06/23-06/23</td>
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</table>

**CJA 038A – TACTICAL/WEAPONS TRAINING** 0.1 - 0.5 UNITS
This course provides students with weapons and law enforcement tactical training to include range qualifications, nomenclature, positioning, trigger pull, and tactics planning. POST required training.

Prerequisite: Criminal Justice Academies 099A with a minimum grade of C or its equivalent and eligible to receive peace officer training as defined in California Government Code Section 1031

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<th>CRN</th>
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**ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times**

**HYBRID (H) Combination of online and live scheduled web or on-campus meetings**

**REMOTE LIVE (RL) Live scheduled web meetings during published course times**

**REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times**

**FACE TO FACE (F2F) Meetings are on-campus during published course times**

**Low cost or free textbooks:**

- **OER**
- **ZTC**
- **HONORS**
CJA 039A – FIRST AID/CPR REFRESHER 0.1 UNIT
Course is designed to refresh first aid and CPR training.
Prerequisite: Criminal Justice Academies 055B or 055D or 069B or 099A, or their equivalent with a grade of Pass.

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<th>Course Code</th>
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CJA 042A – CRISIS INTERVENTION TRAINING I 0.5 UNIT
Student will receive specialty instruction in crisis intervention training for experienced peace officers. This course is offered in partnership with the Orange County Sheriff's Department.
Prerequisite: Criminal Justice Academies 099A with a minimum grade of C.

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<td>8:00a-5:00p</td>
<td>M</td>
<td>Tu W Th F</td>
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</table>

CJA 059 – LAW ENFORCEMENT SUPERVISORY COURSE 3.5 UNITS
R.O.S.T. approved course for law enforcement personnel newly appointed to a first-level supervisory position. Topics focus on understanding the roles of law enforcement personnel, and providing appropriate training and supervision in critical field situations.
Prerequisite: Criminal Justice Academies 099A with a minimum grade of P or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. Fundamental terms, concepts, laws and procedures basic to California law enforcement will not be taught or explained. NOTE: Approval of equivalent traini

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CJA 069A – CONTINUING PROFESSIONAL TRAINING FOR CORRECTIONS 0.2 - 0.5 UNITS
Course covers all aspects of correctional officers training as required by the State of California (STC): Policies, legal update, case law, communication skills, transportation, arrest and control and weapons training.
Prerequisite: Criminal Justice Academies 099A or Criminal Justice Academies 055D or Criminal Justice Academies 055D or Criminal Justice Academies 069B with a minimum grade of P or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. Fundamental terms, concepts, laws and procedures

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<td>OCSD</td>
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CULINARY ARTS (CULN)
CULN 110 – FOOD SAFETY AND SANITATION 2.0 UNITS
Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management.

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<th>Course Code</th>
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<tr>
<td>97882</td>
<td>Heremans T</td>
<td>ONLINE 07/12-08/06</td>
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DANCE (DNCE)
DNCE 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.

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<tr>
<td>98608</td>
<td>Westergard-Dobson C</td>
<td>ONLINE 06/14-08/08</td>
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ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
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FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
**ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times

**HYBRID (H)** Combination of online and live scheduled web or on-campus meetings

**REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**FACE TO FACE (F2F)** Meetings are on-campus during published course times

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**DIESEL (DSL)**

**DSL 165 – TRANSPORT REFRIGERATION**

5.0 UNITS

Theory and operation of truck and trailer refrigeration, electrical, and microprocessor control systems used on current production Carrier and Thermo King units. Service, repair, and troubleshooting procedures used in industry will be covered. Hands-on procedures and safety are emphasized.

**Lopez Garcia L**

**RB**

98321

6:00p-10:30p M W

6:00p-10:15p Tu Th

Remote Blended. Students will attend live streamed lecture meetings on Canvas during the scheduled days and times. Students attend both virtually on Canvas and on-campus for Lab instruction on Tues and Thurs, 6:00p-10:15p, SAC J-109-3. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. rsccd.instructure.com

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**DIGITAL MEDIA (DM)**

**DM 103 – HISTORY OF FILM TO 1945**

3.0 UNITS

A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.

**Taylor M**

**ONLINE**

00345

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**Taylor M**

98610

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**DM 104 – HISTORY OF FILM FROM 1945 TO PRESENT**

3.0 UNITS

A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.

**Dermody M**

**ONLINE**

98611

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**Dermody M**

98612

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**Lunel E**

**ONLINE**

98617

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**DM 112 – INTRODUCTION TO VIDEO EDITING AND POSTPRODUCTION**

3.0 UNITS

Fundamental methods and techniques used to edit video for TV, film, web and multimedia. Hands-on training in basic operation of digital, non-linear editing system and software.

**Lunel E**

**ONLINE**

00346

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**DM 120 – BEGINNING SCREENWRITING FOR DIGITAL MEDIA MEDIA**

3.0 UNITS

Designed to acquaint students with fundamental approaches to writing scripts for television, motion pictures, the web, corporate videos and digital media. Emphasis on the development of outlines, treatments, and scripts for short format programs or segments of feature-length shows.

**Lunel E**

**ONLINE**

00347

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

**DM 125 – COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL**

1.0 - 6.0 UNITS

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students’ major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

**Taylor M**

**ONLINE**

98618

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

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Low cost or free textbooks:

**OER**

**ZTC**

**HONORS**
DM 170 – DRONE PILOT LICENSE TEST PREP 0.5 UNIT
The class preps students to take the FAA Part 107 test, and other knowledge tests required by the FAA. To fly drones commercially, students need to pass an FAA drone pilot knowledge test.

00348 6:00p-6:50p W Nerhus K RL 06/14-08/08
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

DM 240 – AGENCY FILM PRODUCTION 3.0 UNITS
This is a capstone course, where students will build upon skills and concepts developed in previous camera, editing and cinematography courses in order to learn how to produce and direct advertising agency productions. Prior enrollment in Digital Media 112, 115A, and 140 recommended.
Recommended Preparation: Digital Media 112, Digital Media 115A and Digital Media 140 with a minimum grade of C.

00349 11:00a-6:00p Tu Th Staff HYBRID 06/14-08/08
Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DM 240 – AGENCY FILM PRODUCTION 3.0 UNITS
This is a capstone course, where students will build upon skills and concepts developed in previous camera, editing and cinematography courses in order to learn how to produce and direct advertising agency productions. Prior enrollment in Digital Media 112, 115A, and 140 recommended.
Recommended Preparation: Digital Media 112, Digital Media 115A and Digital Media 140 with a minimum grade of C.

ERTH 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. Optional half-day field trip.

99752 2:00p-4:10p M Tu W Th Hughes P RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

ERTH 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. Optional half-day field trip.

99744 2:00p-4:10p M Tu W Th Hughes P RL 06/14-07/22
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC Textbook Cost (ZTC) class.

99749 2:00p-4:10p M Tu W Th Hughes P RL 06/14-07/22
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC Textbook Cost (ZTC) class.

ECON 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. Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

97174 11:00a-1:50p W 11:00a-1:50p W Werboff A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

97175 11:00a-1:50p W 11:00a-1:50p W Allen M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

97176 11:00a-1:50p W 11:00a-1:50p W Do H ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

ECON 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. Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

97174 11:00a-1:50p W 11:00a-1:50p W Werboff A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

97175 11:00a-1:50p W 11:00a-1:50p W Allen M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

97176 11:00a-1:50p W 11:00a-1:50p W Do H ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

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ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
**ECON 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.  
Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Type</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Status</th>
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<tr>
<td>97177</td>
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<td>Do H</td>
<td>ONLINE 06/14-08/08</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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<tr>
<td>97179</td>
<td>ONLINE</td>
<td>Do H</td>
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<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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</tr>
</tbody>
</table>

**EDUCATION (EDUC)**

**EDUC 204 – PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR SECONDARY TEACHERS**  
3.0 UNITS  
Students will develop personal proficiency in educational technologies to facilitate the teaching process in a secondary classroom setting. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Type</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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</table>

**EMERGENCY MEDICAL TECHNICIAN (EMT)**

**EMT 104 – EMERGENCY MEDICAL TECHNICIAN**  
10.0 UNITS  
Basic course for the Emergency Medical Technician (EMT). Satisfies requirements for County/State Emergency Medical Services (EMS) Authority. Prepares students to take the Orange County Emergency Medical Services (OCEMS)/National Registry certifying exam for state certification. This course provides depth and breadth of foundational knowledge of the National EMS Education Standards derived from the National Scope of Practice Model for entry-level EMTs.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Type</th>
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<td>Dibb P</td>
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<td>8:00a-1:20p</td>
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<td></td>
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<td>1:20p-3:10p</td>
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</tbody>
</table>

A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day. FAILURE TO SHOW YOUR AMERICAN HEALTH ASSOCIATION CPR CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 104 section 97076 required to register for EMT 105 section 97077 hours arranged. Remote blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated, rsccd.instructure.com On-campus meeting dates and times for skills testing are the following: August 12th and 14th with appropriate social distancing and PPE in B-4.
EMT 105 – CLINICAL EMT SKILLS LABORATORY 1.0 UNIT
Supervised use of skills lab through supplemental learning to assist the student in development of clinical competency and mastery of psychomotor skills as addressed in course EMT 104. Hours verified by instructor.

97077  Dibb P  RB  06/08-08/14
A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day. FAILURE TO SHOW YOUR AMERICAN HEALTH ASSOCIATION CPR CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 104 section 97076 required to register for EMT 105 section 97077 hours arranged. Remote blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated. rsccd.instructure.com On-campus meeting dates and times for skills testing are the following: August 12th and 14th with appropriate social distancing and PPE in B-4.

ENGINEERING (ENGR)

ENGR 100A – INTRODUCTION TO ENGINEERING 3.0 UNITS
The course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession.

98231  Galvez R  HYBRID  06/14-08/08
Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

ENGR 103 – SOLIDWORKS BEGINNING SOLID MODELING 3.0 UNITS
Introductory course in parametric solid modeling using Solidworks, an industry standard engineering design software (CAD). 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.

97949  Buechler M  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

ENGR 114 – GEOMETRIC DIMENSIONING AND TOLERANCING 3.0 UNITS
Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing.

97955  Corley G  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

ENGR 183 – AUTOCAD I 4.0 UNITS
A first course in AutoCAD by Autodesk, an industry standard engineering CAD software, especially in the civil and architectural fields. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, and graphic exchange.
Software Utilized: AutoCAD 2020

98232  Galvez R  HYBRID  06/14-08/08
Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.

ENGLISH (ENGL)

ENGL 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 061X or English for Multilingual Students 112 with a minimum grade of C or qualifying profile from English placement process.

97514  Rocke B  A-128  06/14-07/11

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
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<td>RB</td>
<td>06/14-07/22</td>
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<td></td>
<td>10:15a-1:20p</td>
<td>Tu Th</td>
<td>Staff</td>
<td>D-105</td>
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<td></td>
<td>12:00p-4:30p</td>
<td>M W</td>
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<td>06/14-08/08</td>
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<td>Martinez Guzman D</td>
<td>RB</td>
<td>06/14-07/22</td>
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<tr>
<td></td>
<td>1:30p-4:35p</td>
<td>Tu Th</td>
<td>Staff</td>
<td>D-101</td>
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</table>

Remote Blended. Students attend both virtually on Canvas and on-campus during the days and times indicated, rsccd.instructure.com.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Instructor</th>
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<td>M Tu W Th</td>
<td>Isbell J</td>
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<td>Tu Th</td>
<td>Bootman A</td>
<td>ONLINE</td>
<td>06/14-08/08</td>
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<td></td>
<td>1:30p-4:35p</td>
<td>M W</td>
<td>Staff</td>
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<tr>
<td></td>
<td>10:30a-2:45p</td>
<td>M W</td>
<td>Bassett D</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
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<td></td>
<td>4:30p-7:35p</td>
<td>M W</td>
<td>Axtell C</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
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<td></td>
<td>10:20a-1:25p</td>
<td>M Tu W Th</td>
<td>Bootman A</td>
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<td>Simmerman S</td>
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<td>06/14-07/11</td>
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<td>M W</td>
<td>Ramshaw C</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

**ENGL 101H – HONORS FRESHMAN COMPOSITION**

4.0 UNITS

An enriched exposure to expository and argumentative essays and the research paper, requiring in-depth analysis of issues and substantive treatment of student-selected topics.

Prerequisite: A college GPA or high school GPA for first-term college students of 3.0 or higher AND completion with a grade of "C" or better in EMLS 112, or ENGL 061X, or ENGL 061, or qualifying profile from English placement process.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Dates</th>
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<td>97521</td>
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<td>Bassett D</td>
<td>RL</td>
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</tr>
</tbody>
</table>

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

**ENGL 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
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<td>97526</td>
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<td>Patterson K</td>
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</table>

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

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<td>Carey J</td>
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<td>07/12-08/08</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

**ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times

**HYBRID (H)** Combination of online and live scheduled web or on-campus meetings

**REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**FACE TO FACE (F2F)** Meetings are on-campus during published course times

Low cost or free textbooks:

- **OER**
- **ZTC**
- **HONORS**
**ENGL 102H – HONORS LITERATURE AND COMPOSITION**  
4.0 UNITS  
An enriched approach designed for honors students. 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:** A high school GPA of at least 3.0 if a first-term college student or college cumulative GPA of 3.0 or higher and completion with a grade of “C” or better in ENGL 101, or ENGL 101H

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<th>Course Code</th>
<th>Section</th>
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<th>Days</th>
<th>Instructor</th>
<th>Type</th>
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<td>M Tu W Th</td>
<td>Patterson K</td>
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<td>06/14-07/22</td>
<td>Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
</tr>
</tbody>
</table>

**ENGL 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 English 101H with a minimum grade of C.

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<th>Instructor</th>
<th>Type</th>
<th>Dates</th>
<th>Location</th>
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<td>ONLINE</td>
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<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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<td>Villa B</td>
<td>ONLINE</td>
<td>06/14-07/11</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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<td>06/14-07/25</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
</tr>
</tbody>
</table>

**ENGL 103H – HONORS CRITICAL THINKING AND WRITING**  
4.0 UNITS  
Enriched and intensive exploration of historical and contemporary issues. Application of critical thinking, writing and reading skills to established argumentative methods and models through student-initiated discussion and problem-solving in a seminar setting.  
**Prerequisite:** Cumulative GPA of 3.0 or higher in college work (or high school for first-term students) and completion with a "C" or better of ENGL 101, or ENGL 101H

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<th>Dates</th>
<th>Location</th>
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<td>9:00a-1:30p</td>
<td>M Tu W Th</td>
<td>Patterson K</td>
<td>RL</td>
<td>06/14-07/08</td>
<td>Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
</tr>
</tbody>
</table>

**ENGL 270 – CHILDREN’S LITERATURE**  
3.0 UNITS  
A study of literature for children emphasizing the history, trends, issues, and evaluation of all major genres: picture books, poetry, drama, traditional literature, non-fiction, and fiction, including full-length works.  
**Prerequisite:** English 101 or English 101H with a minimum grade of C.

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<th>Section</th>
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<th>Days</th>
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<th>Type</th>
<th>Dates</th>
<th>Location</th>
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<td>Axtell C</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
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</tbody>
</table>

**FASHION DESIGN MERCHANDISING (FDM)**

**FDM 052 – KNIT AND SWIM SUIT SEWING**  
3.0 UNITS  
Construction techniques to sew lingerie, bathing suits, athletic attire, and knit t-shirts. Emphasis is placed on serger and cover-stitch machine operation, fitting issues, and garment specification measurement techniques as related to knit garments for domestic and offshore production.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Type</th>
<th>Dates</th>
<th>Location</th>
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<tbody>
<tr>
<td>98411</td>
<td></td>
<td></td>
<td></td>
<td>Bonsall L</td>
<td>ONLINE</td>
<td>06/14-08/08</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com</td>
</tr>
<tr>
<td>98412</td>
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<td>F</td>
<td>Bonsall L</td>
<td>HYBRID</td>
<td>06/14-08/08</td>
<td>Hybrid instruction. A combination of online instruction for Lecture and Remote Live Lab. Students attend live streamed Lab meetings on Canvas during the scheduled days and times indicated. Students log in to Canvas rsccd.instructure.com. There will be no instruction on-campus.</td>
</tr>
</tbody>
</table>

| ONLINE (O) | Time-flexible online lecture and materials with no scheduled meeting times |
| HYBRID (H) | Combination of online and live scheduled web or on-campus meetings |
| REMOTE LIVE (RL) | Live scheduled web meetings during published course times |
| REMOTE BLENDED (RB) | Live scheduled web & on-campus meetings during published dates and times |
| FACE TO FACE (F2F) | Meetings are on-campus during published course times |

**Low cost or free textbooks:**

| OER | |
| ZTC | |
| HONORS | |
FDM 103 – FASHION SELECTION 3.0 UNITS
Apparel selection based on historical perspective, culture, and fashion trends. This course will examine the interrelatedness of socio-psychological, economic and political/religious influences on dress. Included is the analysis of color, line, and design as they relate to garment selection and wardrobe planning. Cross-cultural analysis and interpretation of Western and non-Western clothing behavior through written analysis papers. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population.

98465  Benson K  ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com

FDM 105A – BEGINNING SEWING 3.0 UNITS
Apparel garment construction techniques including seam finishes, edge finishes, manipulating garment fullness, and applying closures. Students will construct three full sized garments and a compilation of construction techniques. Students will conduct and document garment fittings, alter patterns, and apply fitting alterations to the sewn projects.

98406  Benson K  ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com

H 98407  Benson K  HYBRID 06/14-08/08
9:00a-12:10p  Tu Th  Benson K  RL
Hybrid instruction. A combination of online instruction for Lecture and Remote Live Lab. Students attend live streamed Lab meetings on Canvas during the scheduled days and times. Students log in to Canvas rscd.instructure.com. There will be no instruction on-campus.

FDM 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.

98408  Benson K  ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com

H 98410  Benson K  HYBRID 06/14-08/08
1:00p-4:10p  Tu Th  Benson K  RL
Hybrid instruction. A combination of online instruction for Lecture and Remote Live Lab. Students attend live streamed Lab meetings on Canvas during the scheduled days and times. Students log in to Canvas rscd.instructure.com. There will be no instruction on-campus.

FDM 299 – COOPERATIVE WORK EXPERIENCE EDUCATION 1.0 - 6.0 UNITS
This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student’s college major. Credit may be accrued at the rate of one to six units per semester. One unit of course credit equals 75 hours of paid work or 60 hours of unpaid work. Student repetition up to 16 units is permissible per Title 5, Section 55253.
Recommended Preparation: 12 units of Fashion Design Merchandising courses completed with C or better.
Open Entry / Open Exit

98466  Benson K  06/14-08/08
No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscd.instructure.com

FIRE TECHNOLOGY (FTC)

FTC 101 – FIRE PROTECTION ORGANIZATION 3.0 UNITS
This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.

R 01651  8:00a-12:15p  Tu Th  Freeman S  RL 06/14-07/22
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rscd.instructure.com. There will be no instruction on-campus.
FTC 102 – FIRE BEHAVIOR AND COMBUSTION 3.0 UNITS
This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

01652 Online (O)
Lunde T ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Email instructor on the first week of class. (lunde_ty@sac.edu)

FTC 103 – PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL 3.0 UNITS
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

01656 Online (O)
Lunde T ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Email instructor on the first week of class. (lunde_ty@sac.edu)

GEOGRAPHY AND THE ENVIRONMENT (GEOG)

GEOG 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.

97319 Online (O)
Courter W ONLINE 06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

GEOG 102 – CULTURAL GEOGRAPHY 3.0 UNITS
An introductory survey of the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.

97172 Online (O)
Conley J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

GEOG 130 – INTRODUCTION TO WEATHER AND CLIMATE 3.0 UNITS
This course examines weather and climate patterns of the earth from a geographic perspective including atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclonic and anticyclonic systems, weather forecasting, adiabatics, climate, and climate change.

97173 Online (O)
Conley J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

GEOLOGY (GEOL)

GEOL 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. Recommended Preparation: Concurrent enrollment in Geology 101L is recommended.

99761 Remote Live (RL)
Hughes P 9:00a-1:15p RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

GEOL 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. Prerequisite: Geology 101 with a minimum grade of C or concurrent enrollment in Geology 101.

99763 Remote Live (RL)
Hughes P 9:00a-1:15p RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.
HIST 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.

97444 Menzing T ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

HIST 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.

97445 Lira S ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

HIST 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.

97446 Hacholski M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

97447 Stanfield A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

HIST 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.

97448 Stanfield A ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97449 Lewis J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

97450 Lira S ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

HIST 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.

97451 Romo V ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

97452 Fernandez L ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

HIST 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.

97453 Lange M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
FACE TO FACE (F2F) Meetings are on-campus during published course times
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
Low cost or free textbooks:
OER
ZTC
HONORS
KINESIOLOGY ACTIVITIES (KNAC)

KNAC 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.

98977  Jones G ONLINE 06/14-08/08
Online Degree Pathway course. Registration open to all students. Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

98982  Jones G ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Location: Century High School

KNAC 150A – BEGINNING HATHA YOGA 1.0 UNIT
This course is designed as an introduction to the practice of Hatha Yoga. Emphasis will be placed on proper breathing techniques and learning basic yoga postures. These postures are designed to improve muscle tone and flexibility, as well as helping with breath control, relaxation, and unity of mind, body, and spirit. This course is offered as a half unit or one unit class and may not be repeated.

99225  11:00a-12:30p  M Tu W Th  Anderson R  W-107 06/14-08/08

KNAC 155A – BEGINNING SELF-DEFENSE 1.0 UNIT
Instruction in personal safety and self-protection including the effective use of hands, knees, elbows, feet, and the mind. Proficiency with everyday objects such as weapons and defense against common street weapons is also stressed. This course is offered as a half unit or one unit class and may not be repeated.

99040  8:35a-10:05a  M Tu W Th  Celis J  W-107 06/14-08/05

KNAC 170A – BEGINNING YOGA 1.0 UNIT
This course is designed to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness through beginning yoga postures. Emphasis will be placed on mind body preparation and the proper technique necessary to perform these postures. This course is offered as a half unit or one unit class and may not be repeated.

99039  7:00a-8:30a  M Tu W Th  Celis J  W-107 06/14-08/05

KNAC 200A – BEGINNING INTRAMURAL-BASKETBALL 1.0 UNIT
This class is designed to introduce/better acquaint students to the game of basketball. Emphasis is placed on rules, techniques, safety, and improving performance. This course is offered as a half unit or one unit class and may not be repeated.

99010  12:30p-3:40p  M Tu W Th  Breig D  G-105 07/12-08/05

KNAC 200B – INTERMEDIATE INTRAMURAL SPORTS- BASKETBALL 1.0 UNIT
This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: defense, offense, strategies, and special situations. This course is offered as a half unit or one unit class and may not be repeated. 
Prerequisite: Kinesiology Activities 200A with a minimum grade of C.

99011  12:30p-3:40p  M Tu W Th  Breig D  G-105 07/12-08/05

KNAC 200C – ADVANCED INTRAMURAL BASKETBALL 1.0 UNIT
This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: advanced defense, advanced offense, advanced strategies, and special situations associated with the game of basketball. This course is offered as a half unit or one unit class and may not be repeated.
Prerequisite: Kinesiology Activities 200B with a minimum grade of C.

99012  12:30p-3:40p  M Tu W Th  Breig D  G-105 07/12-08/05

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
KNAC 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. This course will be offered as a half-unit or one-unit course and may not be repeated.

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<th>Code</th>
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<td>2:45p-4:55p</td>
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KNAC 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. This course will be offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Activities 220A with a minimum grade of C.

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KNAC 220C – ADVANCED BASKETBALL 0.5 - 1.0 UNITS
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. This course will be offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Activities 220B with a minimum grade of C.

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KNAC 260A – BEGINNING SOCCER 1.0 UNIT
This course is an introduction to the beginning skills and rules associated with the sport of soccer. Emphasis will be placed on the proper technique used for these beginning skills as well as FIFA Laws of the Game. This course is offered as a half unit or one unit class and may not be repeated.

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<td>98992</td>
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<td>Baquero J</td>
<td>G-118</td>
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KNAC 260B – INTERMEDIATE SOCCER 1.0 UNIT
This course is designed to review and solidify the proper techniques associated with outdoor soccer and FIFA Laws of the Game. The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer. This course is offered as a half unit or one unit class and may not be repeated.

Prerequisite: Kinesiology Activities 260A with a minimum grade of C.

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KNAC 260C – ADVANCED SOCCER 1.0 UNIT
This course is designed to review and solidify the proper techniques associated with intermediate level outdoor soccer as well at the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated.

Prerequisite: Kinesiology Activities 260B with a minimum grade of C.

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KNAC 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. This course is offered as a half-unit or one-unit class and may not be repeated.

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<th>Code</th>
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KNAC 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. This course will be offered as a half-unit or one-unit class and may not be repeated.

Recommended Preparation: Kinesiology Activities 290A with minimum a grade of C.

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KINESIOLOGY HEALTH EDUCATION (KNHE)

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

98986  Nyssen A  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

99008  Breig D  ONLINE  07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

98989  Nutter K  ONLINE  06/28-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

KNHE 103 – MEN’S HEALTH ISSUES 3.0 UNITS
Examines the societal, economic, cultural, and gender influences that shape men’s health beliefs and practices. Explores specific health issues unique to men such as accessing health care, healthy relationships, domestic abuse, prostate cancer, and alcohol use. Critically examines literature and media to identify interventions within a masculinility framework to improve men’s health outcomes. Identification of positive outcomes of healthy men at home, work, and in society.

99009  Breig D  ONLINE  07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

KNHE 104 – NUTRITION AND FITNESS 2.0 UNITS
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.

99036  Abbey T  ONLINE  07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

KNHE 108 – STRESS MANAGEMENT 3.0 UNITS
This course examines productive and nonproductive stress and the influence of various types of stress on health and wellness. Topics include the physiological aspects of stress and its effects on health, assessments of personal coping style, strategies for coping effectively with stress, relaxation techniques, mindful awareness, and positive self-talk. Emphasis is placed on practical application of stress management techniques in daily life. (CSU) (UC Credit Limitation) (Degree Credit) AA GE, CSU GE

98990  Nutter K  ONLINE  06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)

KNIA 125 – CONDITIONING FOR FOOTBALL 1.0 UNIT
This class is designed to prepare the college football athletes to play offense, defense, and special teams. The focus is on skill development and conditioning through resistance training and field work. This course is offered as a half-unit or one-unit class.

98999  2:30p-3:30p  Tu W Th  Jones G  G-114  06/15-07/08
98999  3:30p-4:50p  Tu W Th  Staff  SAC G-113

99005  2:30p-3:30p  Tu W Th  Nyssen A  G-114  06/15-07/08
99005  3:30p-4:50p  Tu W Th  Staff  SAC G-113

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
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FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
KNIA 128 – CONDITIONING FOR ATHLETES  
1.0 UNIT
An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength. This course is offered as a half-unit or one-unit class.

<table>
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<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>98995</td>
<td>9:00a-10:20a</td>
<td>M Tu W Th</td>
<td>Vasquez J</td>
<td>G-103</td>
<td>06/28-08/05</td>
</tr>
<tr>
<td>98991</td>
<td>12:00p-1:20p</td>
<td>M Tu W Th</td>
<td>Baquero J</td>
<td>G-103</td>
<td>06/28-08/05</td>
</tr>
</tbody>
</table>

KNIA 230 – PRESEASON FOOTBALL  
0.5 UNIT
This is an intensive course designed to prepare student athletes for a season of competition in intercollegiate football. It will include field work, classroom meeting time, and resistance training. The focus is skill development and preparation for a season of competition. It is included as part of the 175 contact hours allowed for student-athlete skill development and conditioning. Students must have a current health screening and doctor clearance to participate.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>99000</td>
<td>2:30p-3:30p</td>
<td>Tu W Th</td>
<td>Jones G</td>
<td>G-103</td>
<td>07/13-08/05</td>
</tr>
<tr>
<td></td>
<td>3:30p-4:50p</td>
<td>Tu W Th</td>
<td>Jones G</td>
<td>SAC G-113</td>
<td></td>
</tr>
</tbody>
</table>

Section 99000 is for designated offensive players

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>99006</td>
<td>2:30p-3:30p</td>
<td>Tu W Th</td>
<td>Nyssen A</td>
<td>G-114</td>
<td>07/13-08/05</td>
</tr>
<tr>
<td></td>
<td>3:30p-4:50p</td>
<td>Tu W Th</td>
<td>Nyssen A</td>
<td>SAC G-113</td>
<td></td>
</tr>
</tbody>
</table>

Section 99006 is for designated defensive players

KNIA 235 – SPEED AND AGILITY  
1.0 UNIT
This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>99041</td>
<td>7:00p-9:10p</td>
<td>M Tu W Th</td>
<td>Silva V</td>
<td>W-111</td>
<td>06/14-07/22</td>
</tr>
</tbody>
</table>

KINESIOLOGY PROFESSIONAL (KNPR)

KNPR 101 – INTRODUCTION TO KINESIOLOGY  
3.0 UNITS
This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Instructor</th>
<th>Mode</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>98683</td>
<td>ONLINE</td>
<td>Sos B</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

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

<table>
<thead>
<tr>
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<th>Time</th>
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<th>Mode</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>99014</td>
<td>ONLINE</td>
<td>Luppani M</td>
<td>ONLINE</td>
<td>06/28-08/08</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNPR 150 – SPORT AND SOCIETY  
3.0 UNITS
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.

<table>
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<tbody>
<tr>
<td>99016</td>
<td>ONLINE</td>
<td>Luppani M</td>
<td>ONLINE</td>
<td>06/28-08/08</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

<table>
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<tbody>
<tr>
<td>99013</td>
<td>ONLINE</td>
<td>Luppani M</td>
<td>ONLINE</td>
<td>06/14-08/08</td>
</tr>
</tbody>
</table>

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times

HYBRID (H) Combination of online and live scheduled web or on-campus meetings

REMOTE LIVE (RL) Live scheduled web meetings during published course times

REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times

FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:

OER

ZTC

HONORS
LAW 100 – LAW AND SOCIETY 3.0 UNITS
Overview of the legal system including the courts, participants and various sources of law in the American legal system. Review of the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory legal research methods. Examination of legal ethics. Introduction to substantive areas of law and the effect the law has in various groups and individuals in our system. Same as PARA 100

98256  Robinson K  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com There is no additional textbook cost for this ZTC class.

LAW 105 – THE 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.

98257  Sauber D  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

98263  Robinson K  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

98265  Robinson K  ONLINE  06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

LAW 299 – COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 4.0 UNITS
This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students’ major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.

Open Entry / Open Exit

98266  Smith K  ONLINE  06/14-08/08
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

LIBRARY & INFORMATION STUDIES LIBI)

LIBI 100 – LIBRARY RESEARCH FUNDAMENTALS 1.0 UNIT
This course is designed to teach students basic college-level research skills for effective use of traditional and electronic library resources. Instruction includes print and non-print information sources such as reference books, scholarly material, online subscription databases, and the Internet.

98620  Pedroza L  ONLINE  06/14-08/08
Online Degree Pathway course. Registration open for all students. Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
MANAGEMENT (MGMT)

MGMT 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.

98225 Shweiri G ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a $20 material fee with no additional textbook cost.

MANUFACTURING TECHNOLOGY (MNFG)

MNFG 103 – SOLIDWORKS BEGINNING SOLID MODELING 3.0 UNITS
Introductory course in parametric solid modeling using Solidworks, an industry standard engineering design software (CAD). 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.

97947 Buechler M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

MNFG 111 – BASIC MECHANICAL BLUEPRINT READING 2.0 UNITS
Reading and interpreting blueprints for manufacturing technologies. (Same as Engineering 111).

97950 Buechler M ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

MNFG 114 – GEOMETRIC DIMENSIONING AND TOLERANCING 3.0 UNITS
Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing.

97951 Corley G ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

MNFG 173 – 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.

97957 Singh N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

MNFG 178 – 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 171 and Manufacturing Technology 173 with a minimum grade of C.

97958 Singh N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas the first day of class for detailed information and required course work. rsccd.instructure.com

MATHEMATICS (MATH)

MATH 019 – SUPPORT FOR MATH 219 PROBABILITY AND STATISTICS 0.5 UNIT
A review of mathematics needed to be successful in Probability and Statistics. Topics are drawn from Pre-Algebra and Algebra. Intended to be taken concurrently with Math 219 for students who did not directly place into Math 219 or for students who would like to supplement their learning with prerequisite skills. Corequisite: Concurrent enrollment in Mathematics 219.

97440 11:15a-12:35p M Tu W Th Corp R RL 06/14-07/22
Section #97440 is linked to Math 219 #97441. Enrollment in both sections is mandatory. Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. There is no additional textbook course for this ZTC class.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
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FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
MATH 040 – SUPPORT FOR COLLEGE ALGEBRA 0.5 UNIT
A review of mathematics topics from Elementary and Intermediate Algebra which are needed to be successful in College Algebra. Intended to be taken concurrently with College Algebra (Math 140) for students who did not directly place into Math 140, or for students who would like to supplement their learning with prerequisite skills. Corequisite: Concurrent enrollment in Mathematics 140.

97477 11:15a-12:35p M Tu W Th Mishal A RL 06/14-07/22
Section #97477 is linked to Math 140 #97478. Enrollment in both sections is mandatory. Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 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.

97479 Bradley K ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 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.

97480 Oh S ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.

MATH 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 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 105 according to the Santa Ana College Mathematics Department’s placement standards.

00898 7:45a-12:00p Tu Th Staff RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

97481 5:30p-7:40p M Tu W Th Hultman J RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97483 Solheid C ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. There is no additional textbook course for this ZTC class.

97484 Lechuga J ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. 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 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 140 according to the Santa Ana College Math Department’s placement standards.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Days</th>
<th>Instructor</th>
<th>Delivery</th>
<th>Section</th>
<th>Start/End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>R 97478</td>
<td>8:00a-11:05a</td>
<td>M Tu W Th</td>
<td>Mishal A</td>
<td>RL</td>
<td>06/14-07/22</td>
<td>Section #97478 is linked to Math 040 #97477. Enrollment in both sections is mandatory. Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</td>
</tr>
<tr>
<td>R 97485</td>
<td>6:00p-9:05p</td>
<td>M Tu W Th</td>
<td>Lechuga J</td>
<td>RL</td>
<td>06/14-07/22</td>
<td>Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
</tr>
<tr>
<td>R 97486</td>
<td>6:00p-9:05p</td>
<td>M Tu W Th</td>
<td>Nguyen K</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.</td>
</tr>
<tr>
<td>R 97487</td>
<td>6:00p-9:05p</td>
<td>M Tu W Th</td>
<td>Mishal A</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</td>
</tr>
<tr>
<td>R 97488</td>
<td>6:00p-9:05p</td>
<td>M Tu W Th</td>
<td>Vu D</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
<td>Online Degree Pathway course. Registration open for all students. Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com.</td>
</tr>
</tbody>
</table>

MATH 150 – CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES 5.0 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 Math 150 according to the Santa Ana College Math Department’s placement standards.

<table>
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<th>Section</th>
<th>Start/End Date</th>
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</thead>
<tbody>
<tr>
<td>R 97489</td>
<td>6:00p-9:50p</td>
<td>M Tu W Th</td>
<td>Nguyen K</td>
<td>RL</td>
<td>06/14-07/22</td>
<td>Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a $10 material fee. There is no additional textbook cost.</td>
</tr>
<tr>
<td>R 97490</td>
<td>8:00a-11:05a</td>
<td>M Tu W Th</td>
<td>Lui R</td>
<td>RL</td>
<td>06/14-07/22</td>
<td>Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
</tr>
<tr>
<td>R 97491</td>
<td>6:00p-9:05p</td>
<td>M Tu W Th</td>
<td>McKowan-Bourguignon L</td>
<td>ONLINE</td>
<td>06/14-07/25</td>
<td>Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials.</td>
</tr>
</tbody>
</table>

MATH 162 – 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: Mathematics 140 with a minimum grade of C or equivalent skills as measured by placement into Math 162 according to the Santa Ana College Math Department’s placement standards.

<table>
<thead>
<tr>
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<th>Start/End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>R 97494</td>
<td>11:15a-2:20p</td>
<td>M Tu W Th</td>
<td>Lopez S</td>
<td>RL</td>
<td>06/14-07/22</td>
<td>Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.</td>
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ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE (RL) Live scheduled web meetings during published course times
REMOTE BLEND (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks:
OER
ZTC
HONORS
MATH 180 – SINGLE VARIABLE CALCULUS I 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 or Mathematics 180H with a minimum grade of C.

MATH 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 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 219 according to the Santa Ana College Math Department’s placement standards.

MATH 204 – MATHEMATICAL CONCEPTS FOR ELEMENTARY SCHOOL TEACHERS 4.0 UNITS
Designed for prospective elementary teachers, the course emphasizes problem solving techniques and mathematical structure associated with numeration, set theory, elementary number theory, real number system, ratio, proportion, and percent. The course includes instructional delivery design and activity-based explorations. Prerequisite: Math 083 or MATH 084 with a minimum grade of C or equivalent skills as measured by placement into Math 204 according to the Santa Ana College Math Department’s placement standards.

MATH 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 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 219 according to the Santa Ana College Math Department’s placement standards.
### MA 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.

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<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Mode</th>
<th>Start Date</th>
<th>End Date</th>
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</thead>
<tbody>
<tr>
<td>97263</td>
<td>Emley C</td>
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<tr>
<td>97264</td>
<td>Emley C</td>
<td>HYBRID</td>
<td>07/12/08/08</td>
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</table>

### MA 051B – ADVANCED MEDICAL TERMINOLOGY 3.0 UNITS

Continuation of Medical Assistant 051A. Includes medical terms related to anatomy, physiology, diagnostic tests and pathology of the nervous, cardiovascular, respiratory, circulatory, muscular-skeletal, skin, sensory, and the endocrine systems.

Prerequisite: Medical Assistant 051A with a minimum grade of C.

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<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Mode</th>
<th>Start Date</th>
<th>End Date</th>
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<tbody>
<tr>
<td>97268</td>
<td>Candelario J</td>
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</tbody>
</table>

### ZTC Classes

Free textbooks: Low cost or OER

- **ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times
- **HYBRID (H)** Combination of online and live scheduled web or on-campus meetings
- **REMOTE LIVE (RL)** Live scheduled web meetings during published course times
- **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times
- **FACE TO FACE (F2F)** Meetings are on-campus during published course times
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FACE TO FACE (F2F) Meetings are on-campus during published course times

MA 054 – MEDICAL INSURANCE AND BILLING FORMS 3.0 UNITS
Instruction in the rules, regulations, and completion of medical insurance forms for Medicare, Medi-Cal, Tricare, MediMedi, State Disability, Worker’s Compensation, and private commercial insurance carriers. Includes legal and ethical guidelines, and instruction in procedure coding using current procedural terminology and ICD-10-CM. Prerequisite: Medical Assistant 051A with a minimum grade of C.

MA 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, generating reports, electronic data interchange and electronic medical records. Prerequisite: Medical Assistant 051A and Medical Assistant 053 with a minimum grade of C.

MUS 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.

MUS 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.
MUS 104 – ROCK MUSIC HISTORY AND APPRECIATION 3.0 UNITS
Historical survey of rock music from its beginnings in the 50’s to the present. Major rock and pop styles will be discussed. Personalities and musical styles will be related to the social, political, and cultural context of the time.

98627 Marr J ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

MUS 141 – INSTRUMENTAL ENSEMBLES 1.0 UNIT
Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended.

98629 Briones M ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

MUS 145 – JAZZ IMPROVISATION AND PERFORMANCE WORKSHOP 1.0 UNIT
Performance and analysis of jazz standards and popular pieces in a practical workshop setting. Elements of improvisation and ensemble playing are stressed. Assumes a rudimentary understanding of chords and scales. Open to all instrumentalists and vocalists.

98630 Briones M ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

MUS 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.

98631 Kim J ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

NUTRITION AND FOOD (NUTR)

NUTR 110 – FOOD SAFETY AND SANITATION 2.0 UNITS
Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management. Also includes study of worker safety.

97883 Heremans T ONLINE 07/12-08/06
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

NUTR 115 – NUTRITION 3.0 UNITS
Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs.

97884 Mathot S ONLINE 07/12-08/06
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97885 Mathot S ONLINE 07/12-08/06
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97886 Mathot S ONLINE 07/12-08/06
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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FACE TO FACE (F2F) Meetings are on-campus during published course times
Low cost or free textbooks: OER ZTC HONORS
SANTA ANA COLLEGE – SUMMER 2021

**OCCUPATIONAL STUDIES (OS)**

**OS 403 – LEADERSHIP FOR THE OCCUPATIONAL THERAPY ASSISTANT (OTA) 2.0 UNITS**
This course will explore leadership roles that are available to the OTA and the skills that are needed to assume them. The focus will be on leadership, advocacy, marketing, quality improvement, supervision, and scholarship. Students will also explore volunteerism and active participation in professional organizations.

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<th>Wang W</th>
<th>ONLINE</th>
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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com

**OCCUPATIONAL THERAPY ASSISTANT (OTA)**

**OTA 202 – LEVEL II FIELDWORK - PART I 6.0 UNITS**
Supervised fieldwork experience in an occupational therapy practice setting that will provide the student appropriate opportunities to apply learned knowledge and skills.
Prerequisite: Occupational Therapy Assistant 103, 103L and 201 with a minimum grade of C.

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<tr>
<th>Padilla J</th>
<th>CANVAS</th>
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No on-campus meeting times. Weekly instructor contact through Canvas. Section 97939 has 40 hours arranged per week. Students are required to logon to Canvas on the first day of classes. rscssd.instructure.com

**PARALEGAL (PARA)**

**PARA 100 – LAW AND SOCIETY 3.0 UNITS**
Overview of the legal system including the courts, participants and various sources of law in the American legal system and how society is affected. Review of the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review and how different segments of society are affected. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory legal research methods. Introduction to substantive areas of law and the effect the law has in various groups and individuals in our system. Review of the role and regulation of legal professionals, legal ethics and consumer protection laws, and their effect on providing legal services to various segments of society.

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<th>Robinson K</th>
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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com There is no additional textbook cost for this ZTC class.

**PARA 101 – LAW OFFICE MANAGEMENT 2.0 UNITS**
Structure and procedures of the law office. Emphasis on time management, the role of paralegals and paralegal administrators in the law office, ethics in the law office, client property regulations, time keeping and billing, and technology management in a law office.

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<th>Smith K</th>
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Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rscssd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

**PARA 105 – COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 4.0 UNITS**
This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student’s college major. A student can earn 1 to 4 units per semester, up to a maximum of 16 units total. Additionally, students must work 75 paid hours or 60 non-paid hours per unit earned.

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Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

**PARA 120 – COMPUTERS IN THE LAW OFFICE 4.0 UNITS**
Exploration of technology utilized in a legal service office environment. Study of legal focused software and applications.

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Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas rscssd.instructure.com. There will be no instruction on-campus. There is no additional textbook cost for this ZTC class.

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**ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times

**HYBRID (H)** Combination of online and live scheduled web or on-campus meetings

**REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**FACE TO FACE (F2F)** Meetings are on-campus during published course times

**Low cost or free textbooks:**

**OER**

**ZTC**

**HONORS**
PARA 121 – LEGAL ETHICAL REASONING 3.0 UNITS
This course provides an introduction to concepts and theories of ethical decision-making, moral conduct, obligation and permission, justice, responsibility, as applied to the Legal Profession. The course will explore the application of the California Rules of Professional Conduct as applied to the legal profession and society in general.

98306 Sauber D ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PARA 299 – COOPERATIVE WORK EXPERIENCE EDUCATION 1.0 - 4.0 UNITS
This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student’s college major. A student can earn 1 to 4 units per semester, up to a maximum of 16 units total. Additionally, students must work 75 paid hours or 60 non-paid hours per unit earned.

98307 Smith K ONLINE 06/14-08/08
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

PHARMACY TECHNOLOGY (PHAR)

PHAR 072A – PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT 0.5 - 1.5 UNITS
On-site training in the outpatient (retail) practice setting. Students must complete PHAR 056 lab class to qualify for the outpatient rotation. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of the outpatient rotation PHAR 072A is required for the Basic Certificate. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments. Prerequisite: Pharmacy Technology 056 and Communication Studies 097 or Communication Studies 101 or Communication Studies 101H or Communication Studies 102 with a minimum grade of C. Background checks, health screenings, current TB clearance and drugs test clearance.

Open Entry / Open Exit

98547 Dombroske L 06/14-08/15
Work Experience. No scheduled on-campus meeting times.

PHAR 072B – PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT 0.5 - 2.5 UNITS
On-site training in the inpatient (hospital) practice setting. Students must complete the following lab courses prior to placement: PHAR 057 and PHAR 056. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments. Prerequisite: Pharmacy Technology 056 and Pharmacy Technology 057 and Communication Studies 097 or Communication Studies 101 or Communication Studies 101H or Communication Studies 102 with a minimum grade of C. Background checks, health screenings, current TB clearance and drugs test clearance.

Open Entry / Open Exit

98551 Dombroske L 06/14-08/15
Work Experience. No scheduled on-campus meeting times.

ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H) Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL) Live scheduled web meetings during published course times
REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:
OER
ZTC
HONORS
PHARMACY TECHNOLOGY EXTERNSHIP STERILE PRODUCTS 0.5 - 2.5 UNITS
On-site training in the home infusion or sterile products pharmacy practice setting. Students must complete the following lab course prior to placement: PHAR 060. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drug tests. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments.
Prerequisite: Pharmacy Technology 060 and Communication Studies 097 or Communication Studies 101 or Communication Studies 101H or Communication Studies 102 with a minimum grade of C. Background checks, health screenings, current TB clearance and drugs test clearance.

Open Entry / Open Exit
98553 Dombroske L 06/14-08/15
Work Experience. No scheduled on-campus meeting times.

PHILOSOPHY (PHIL)

PHIL 106 – INTRODUCTION TO PHILOSOPHY 3.0 UNITS
A survey of historical and contemporary ideas on how to live the good life.
R 97073 5:30p–10:20p M W Blake H RL 06/14-07/25
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

R 97072 Brocatto C ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

PHIL 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.
R 97074 6:00p–10:15p Tu Th Blake H RL 06/14-07/25
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

R 97075 Fish Z ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PHIL 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 or English 101H with a minimum grade of C.
R 97092 Brocatto C ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

R 97093 Brocatto C ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

R 97095 Fish Z ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com
PHIL 110H – HONORS CRITICAL THINKING 4.0 UNITS
An enriched approach designed for honors students in a seminar setting. 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 and a high school or college GPA of 3.0 or above.

97097  Fish Z ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

PHIL 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.

97099  Fish Z ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

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

98632  Marquez P ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

98633  Marquez P ONLINE 07/12-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

PHYSICS (PHYS)
PHYS 237 – ENGINEERING PHYSICS III 4.0 UNITS
Introduces the basic principles of fluids, thermodynamics, sound, light, optics, and modern physics. This course is designed for students majoring in physical sciences and engineering.
Prerequisite: Physics 217 and Mathematics 185 with a minimum grade of C.

98303 9:15a-11:25a M Tu W Th  Chakhad M RL 06/14-07/22
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. rsccd.instructure.com. There will be no instruction on-campus.

POLT 101 – AMERICAN GOVERNMENT AND POLITICS 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.

97332  8:00a-11:10a  Tu Th  Becker C  D-101  06/14-08/08
97333  9:15a-11:25a  M Tu W Th  Murphy T  D-106  06/14-08/08
97327  11:30a-1:40p  M Tu W Th  Murphy T  D-106  06/14-08/08
97337  12:30p-5:20p  M W  Petri M  D-101  06/14-08/08
97320  6:00p-9:20p  M W  Becker C  D-106  06/14-08/08
97330  Andrade P ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97336  Andrade P ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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Low cost or free textbooks:
OER
ZTC
HONORS
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PSYC 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Delivery</th>
<th>Dates</th>
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</thead>
<tbody>
<tr>
<td>97397</td>
<td>8:00a-10:10a</td>
<td>M Tu W Th</td>
<td>Pedroza J</td>
<td>RL</td>
<td>06/14-07/22</td>
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<td>rsccd.instructure.com</td>
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<td>Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.</td>
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<td>There will be no instruction on-campus Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</td>
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<tr>
<td>97403</td>
<td>10:30a-12:40p</td>
<td>M Tu W Th</td>
<td>Pedroza J</td>
<td>RL</td>
<td>06/14-07/22</td>
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<td>Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</td>
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PSYC 160 – INTRODUCTION TO LIFESPAN PSYCHOLOGY 3.0 UNITS
Introduction to human development from a psychological perspective. Explores human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined from classical and contemporary perspectives. Attention will also be given to both normative and non-normative development.

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<th>Course Code</th>
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<td>Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</td>
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PSYC 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.

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<th>Course Code</th>
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Low cost or free textbooks:
- OER
- ZTC
- HONORS
PSYC 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 083 or Mathematics 084 with a minimum grade of C; OR placement into Psychology 210 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 083 or Mathematics 084.

97417 Castillo R ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

97419 Yimenu B ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

PSYC 219 – INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY 3.0 UNITS
Emphasizes methods of study in psychology, experimental design, analysis of variables contributing to experimental results, and data treatment.
Prerequisite: Mathematics 219 or Psychology 210 (may be taken concurrently) and Psychology 100 with a minimum grade of C.

97420 Nardi N ONLINE 06/14-08/08
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

PSYC 240 – INTRODUCTION TO SOCIAL PSYCHOLOGY 3.0 UNITS
An exploration of the interlocking dynamics of psychology and sociology focusing on the impact of social groups on individuals and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics.
Prerequisite: Psychology 100 or Sociology 100 with a minimum grade of C.

97422 Ortiz R ONLINE 06/14-07/25
Online Degree Pathway course. Registration open to all students. Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PSYC 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.

97423 Castillo R ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

READING (READ)

READ 101 – INTRODUCTION TO ACADEMIC READING 3.0 UNITS
Instruction toward students’ mastery of higher-level vocabulary, reading comprehension at the level of proficiency, critical evaluation of college-level text and improvement of reading rate.

97346 Colunga M ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

READ 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.
Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H is recommended.

97345 Gilreath G ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com

| ONLINE (O) | Time-flexible online lecture and materials with no scheduled meeting times |
| HYBRID (H) | Combination of online and live scheduled web or on-campus meetings |
| REMOTE LIVE (RL) | Live scheduled web meetings during published course times |
| REMOTE BLENDED (RB) | Live scheduled web & on-campus meetings during published dates and times |
| FACE TO FACE (F2F) | Meetings are on-campus during published course times |
### SOCIOLOGY (SOC)

**SOC 100 – INTRODUCTION TO SOCIOLOGY**

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.

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<th>Instructor</th>
<th>Delivery Method</th>
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### SPANISH (SPAN)

**SPAN 101 – ELEMENTARY SPANISH I**

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

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**Low cost or free textbooks:**
- **OER**
- **ZTC**
- **HONORS**
ONLINE (O)  Time-flexible online lecture and materials with no scheduled meeting times
HYBRID (H)  Combination of online and live scheduled web or on-campus meetings
REMOTE LIVE (RL)  Live scheduled web meetings during published course times
REMOTE BLENDED (RB)  Live scheduled web & on-campus meetings during published dates and times
FACE TO FACE (F2F)  Meetings are on-campus during published course times

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SPAN 101H – HONORS ELEMENTARY SPANISH I  5.0 UNITS
Enhanced and intensive practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Enriched introduction of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 101H is equivalent to two years of high school Spanish.

97335  Calderon A  ONLINE  06/14-07/25
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

97432  Guerrero-Phlaum M  ONLINE  06/14-07/25
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

97434  Lopez-Jaurequi L  ONLINE  06/14-07/25
Online instruction. No on-campus meetings. This class requires the textbook "Portales 2" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

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SPAN 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 or Spanish 101H with a minimum grade of C or two years of high school Spanish with a passing grade. All Cal State and UC universities Spanish programs require a minimum grade of C in Spanish 101 or two years in high school with a passing grade.

97340  Aguilar Hernandez G  ONLINE  06/14-07/25
Online instruction with five mandatory virtual streaming meetings on Tuesdays, 6/15, 6/22, 6/29, 7/13, and 7/20 from 2:00-4:30 p.m. No on-campus meetings. This section is a Dual Enrollment course open to Godinez High School (GHS) students only. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas for online live streaming on the hours, times, and dates posted. Students are also required to logon to Canvas on the first day of class. rsccd.instructure.com

97414  Quintero E  ONLINE  06/28-08/08
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

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97334  Guerrero-Phlaum M  ONLINE  06/14-07/25
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

97375  Quintero E  HYBRID  06/14-07/25
11:00a-1:30p  Tu
Staff  CANVAS
Online instruction with five mandatory virtual meetings on Tuesdays, 6/15, 6/22, 7/6, 7/13 and 7/20 from 11:00 am - 1:30 p.m. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas for online live streaming on the hours, times, and dates posted. Students are also required to logon to Canvas on the first day of class. rsccd.instructure.com

97402  Fuchs D  HYBRID  06/14-07/25
9:00a-11:30a  W
Staff  CANVAS
Online instruction with five mandatory virtual meetings on Wednesdays, 6/16, 6/23, 7/7, 7/14 and 7/21 from 9:00-11:30 a.m. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas for online live streaming on the hours, times, and dates posted. Students are also required to logon to Canvas on the first day of class. rsccd.instructure.com

97436  Aguilar Hernandez G  HYBRID  06/14-07/25
2:00p-4:30p  Tu
Staff  CANVAS
Online instruction with five mandatory virtual streaming meetings on Tuesdays, 6/15, 6/22, 6/29, 7/13, and 7/20 from 2:00-4:30 p.m. No on-campus meetings. This section is a Dual Enrollment course open to Godinez High School (GHS) students only. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas for online live streaming on the hours, times, and dates posted. Students are also required to logon to Canvas on the first day of class. rsccd.instructure.com

97414  Quintero E  ONLINE  06/28-08/08
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

97432  Guerrero-Phlaum M  ONLINE  06/14-07/25
Online instruction. No on-campus meetings. This class requires the textbook "Puntos de Partida" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com
SPAN 102H – HONORS ELEMENTARY SPANISH II 5.0 UNITS
Further enhanced and intensive training in language skills for the expression of ideas orally and in writing. Additional enriched study of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 102H is equivalent to the third year of high school Spanish.
Prerequisite: Spanish 101 or Spanish 101H with a minimum grade of C or two years of high school Spanish with a passing grade, and a high school or college GPA of 3.0 or above. All Cal State and UC universities have the same prerequisites for Spanish 102H.

97435 Lopez-Jaurequi L ONLINE 06/14-07/25
Online instruction. No on-campus meetings. This section is designed for Spanish speakers. This class requires the textbook "Portales 2" with the digital code for the online lab materials. Students are required to logon to Canvas on the first day of class. rsccd.instructure.com

STUDY SKILLS (STDY)

STDY 101 – COLLEGE STUDY SKILLS 1.0 UNIT
A course designed to teach effective college study skills while also helping students create positive academic and lifelong learning habits. Topics include time management, exam preparation, lecture notetaking, memorization, test taking strategies, stress management, and exam preparation.

98115 1:00p-2:50p M W Gonzalez Santillan R SAHS 06/07-07/09
Dual-Enrollment: Santa Ana High School Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

STDY 109 – COLLEGE LEARNING SKILLS 3.0 UNITS
This course provides effective success strategies to enhance student self-development, academic, and lifelong learning skills for the college student. The techniques include values, goal-setting, dealing with money, stress management, diversity, motivation, health, and time-management. Students learn personal growth methods and develop strategies to effectively deal with issues to ensure personal, educational, and career success.

97394 1:00p-4:20p Tu W Th Huynh J CHS-430 06/14-07/15
Dual-Enrollment (Century High School) Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97398 1:00p-4:20p Tu W Th Vazquez M CHS-430 06/14-07/15
Dual-Enrollment (Century High School) Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

97143 Sanchez-Gutierrez G ONLINE 06/14-07/25
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

THEATRE ARTS (THEA)

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

98634 Cannon C ONLINE 06/14-07/11
Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. rsccd.instructure.com Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
THEA 105 – THEATRE HISTORY 1  
3.0 UNITS
The study of the history of theatre from the origins of theatre through the 17th Century. The history and development of theatre and drama are studied in relationship to cultural, political and social conditions of the time. Plays are read for analysis of structure, plot, character and historical relevance.

**ONLINE (O)**

**HYBRID (H)**

**REMOTE LIVE (RL)**

**REMOTE BLENDED (RB)**

**FACE TO FACE (F2F)**

Low cost or free textbooks:
- OER
- ZTC
- HONORS

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**THEA 105 – THEATRE HISTORY 1**

**ONLINE 06/14-07/11**

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. [rscasd.instructure.com](http://rscasd.instructure.com)

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**WELDING (WELD)**

**WELD 101 – INTRODUCTION TO WELDING**

This is a basic course designed to introduce students to shop safety, the proper use of tools and basic equipment, and basic fundamentals through the introduction of various welding processes currently used in the welding and metal fabrication industry. Processes will include Oxy-fuel cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

**WELD 101 – INTRODUCTION TO WELDING**

**ONLINE 06/14-07/11**

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. [rscasd.instructure.com](http://rscasd.instructure.com)

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**WELD 111 – WELDING LAB SKILLS**

This class is designed for students to enhance their welding skills. Students will be able to practice open root welding, along with preparation for welding practical exams. This lab will focus on material preparation and welding techniques. Students will receive two units for 108 hours of participation.

**WELD 111 – WELDING LAB SKILLS**

**RB 06/14-08/08**

Remote Blended. Students attend both virtually on Canvas and on-campus for Lab instruction during the days and times indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. [rscasd.instructure.com](http://rscasd.instructure.com)

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**WELD 177 – WELDING METALLURGY**

This course is designed to introduce students to the field of metallurgy and familiarize the student with production, use, and testing of metals and other materials. This course reviews the relationships between the properties of metals/ alloys as well as other materials and how they relate to design and manufacturing industries.

**WELD 177 – WELDING METALLURGY**

**ONLINE 06/14-08/08**

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed course work. [rscasd.instructure.com](http://rscasd.instructure.com)

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**WELD 244 – WELDING CERTIFICATION D1.1 CODE CLINIC**

This course is designed for welding students looking to achieve their certification in the written portion of the American Welding Society (AWS) D1.1 Structural Steel code book. Emphasis will be focused on understanding and navigating the D1.1 Structural Steel code book. Students will cover prequalified/qualified design, prequalified base/filler material, procedure/welder qualifications, fabrication essentials, and testing as specified by AWS D1.1 Structural Code specifications leading to Los Angeles City or AWS welding certifications.

**WELD 244 – WELDING CERTIFICATION D1.1 CODE CLINIC**

**ONLINE 06/14-08/08**

Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed course work. [rscasd.instructure.com](http://rscasd.instructure.com)
ONLINE LEARNING AT SAC

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• Distance Education courses give you an opportunity to complete most of your work outside the traditional classroom.
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• An education that works around your schedule
• An alternate to attending regular, on-campus classes
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sac.edu/online

Contact us @ (714) 564–6725 or sac_disted@sac.edu
Distance Education Office - Cesar Chavez Building, Room A-101