

# SUMMER @SAC



**FOCUSED ON YOUR FUTURE**

June 14 – August 8, 2021



**SANTA ANA  
COLLEGE**



# 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.*

[sac.edu](http://sac.edu)

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## CALENDAR

Online Registration . . . . .	May 5, 2021
Instruction begins. . . . .	June 14, 2021
Refer to section information in WebAdvisor:	
Last day to add a class with instructor’s signature or add code	
Last day to drop a class with enrollment fee refund and no “W” grade	
Last day to file Pass/No Pass	
Last day to drop a class with “W” grade	
Summer Session ends . . . . .	August 8, 2021

**Online Priority Registration Dates:**

Veterans/DSPS/EOPS/CalWORKs/Foster Youth . . . . .	May 5 - June 13, 2021
Athletes . . . . .	May 6 - June 13, 2021
Continuing Students . . . . .	May 7 - June 13, 2021
New/Returning Students . . . . .	May 24 - June 13, 2021
Loss of Priority Registration Students . . . . .	May 26 - June 13, 2021
Special Admit Students . . . . .	June 1 - June 13, 2021

**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](http://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](http://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](http://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](http://www.cccapply.org/BOG) Waiver/. It is your responsibility to check your account balance and pay the amount owed.

**STUDENT RESPONSIBILITY TO DROP CLASSES**

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

### **WAIT LIST POLICY**

You are not able to wait list more than one section per course. You cannot wait list a course that will conflict with another course. As seats become available, students will be moved into an open seat. You will be notified by email (it is your responsibility to make sure that your e-mail is up-to-date) and will have 3 calendar days to pay for the course or you 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](http://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.

**ONLINE COUNSELING NOW AVAILABLE!**

[sac.edu/StudentServices/Counseling](http://sac.edu/StudentServices/Counseling)

**ACADEMIC PLANNING QUESTIONS?**

[sac.edu/StudentServices/Counseling](http://sac.edu/StudentServices/Counseling)

**REGISTRATION QUESTIONS? Call 714-564-6017**

[sac.edu/admissions](http://sac.edu/admissions)

## 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](https://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](mailto:sac_disted@sac.edu)
- Information regarding online learning, Canvas help and Frequently Asked Questions can be found at our website: [sac.edu/disted](https://sac.edu/disted)


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

**ACCOUNTING (ACCT)****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.

- O** **98414** **McCallick 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](https://rscdd.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.

- R<sup>L</sup>** **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. [rscdd.instructure.com](https://rscdd.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.
- R<sup>L</sup>** **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. [rscdd.instructure.com](https://rscdd.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.
- O** **98415** **Trone 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](https://rscdd.instructure.com) This class will require proctored exams using software. Students must have access to a webcam and a microphone.
- O** **98418** **Hoekstra 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](https://rscdd.instructure.com) This class will require proctored exams using software. Students must have access to a webcam and a microphone.
- O** **98419** **Weinraub 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. [rscdd.instructure.com](https://rscdd.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.*

- R<sup>L</sup>** **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. [rscdd.instructure.com](https://rscdd.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.
- O** **98421** **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. [rscdd.instructure.com](https://rscdd.instructure.com) This class will require proctored exams using software. Students must have access to a webcam and a microphone.

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times


**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

Low cost or  
free textbooks:

 **OER**

 **ZTC**

 **HONORS**

**ACCT 104 – FEDERAL AND CALIFORNIA TAXES**

**4.0 UNITS**

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.

**O 98422**

**Sung 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. [rscgd.instructure.com](https://rscgd.instructure.com)

**AMERICAN SIGN LANGUAGE (ASL)**

**ASL 110 – AMERICAN SIGN LANGUAGE I**

**4.0 UNITS**

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.

**O 97340**

**Collins 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. [rscgd.instructure.com](https://rscgd.instructure.com)

**O 97341**

**Collins 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. [rscgd.instructure.com](https://rscgd.instructure.com)

**O 97342**

**Smith 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. [rscgd.instructure.com](https://rscgd.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.

**ASL 111 – AMERICAN SIGN LANGUAGE II**

**4.0 UNITS**

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.*

**O 97343**

**Smith E**

**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. [rscgd.instructure.com](https://rscgd.instructure.com)

**ANTHROPOLOGY (ANTH)**

**ANTH 100 – INTRODUCTION TO CULTURAL ANTHROPOLOGY**

**3.0 UNITS**

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.

**R<sup>L</sup> 97563**

**9:00a-12:10p**

**Tu Th**

**Robertson M**

**RL**

**06/14-08/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscgd.instructure.com](https://rscgd.instructure.com). There will be no instruction on-campus.

**R<sup>L</sup> 97562**

**6:00p-9:10p**

**Tu Th**

**Plascencia M**

**RL**

**06/14-08/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscgd.instructure.com](https://rscgd.instructure.com). There will be no instruction on-campus.

**ANTH 101 – INTRODUCTION TO PHYSICAL ANTHROPOLOGY**

**3.0 UNITS**

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.

**R<sup>L</sup> 97566**

**9:00a-12:20p**

**M W**

**Robertson M**

**RL**

**06/14-08/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscgd.instructure.com](https://rscgd.instructure.com). There will be no instruction on-campus.

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

**Low cost or free textbooks:**

 **OER**

 **ZTC**

 **HONORS**



**R<sup>L</sup> 97565**      **6:00p-9:20p**      **M W**      **Cundiff W**      **RL**      **06/14-08/08**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.  
[rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.

**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.*

**R<sup>L</sup> 97567**      **1:00p-4:20p**      **M W**      **Robertson M**      **RL**      **06/14-08/08**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.  
[rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.


## ART (ART)


**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.


**R<sup>L</sup> 01001**      **1:00p-4:20p**      **Tu W Th**      **Staff**      **RL**      **06/08-07/08**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.  
[rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.

**R<sup>L</sup> 01030**      **1:00p-4:00p**      **M W F**      **Staff**      **RL**      **06/07-07/16**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.  
[rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.

 **98537**      **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. [rscdd.instructure.com](http://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


 **98538**      **Monroe J**      **ONLINE**      **06/14-07/11**  
 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. [rscdd.instructure.com](http://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






 **98539**      **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. [rscdd.instructure.com](http://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 a \$10 material fee with no additional textbook cost.




 **98540**      **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. [rscdd.instructure.com](http://rscdd.instructure.com)

**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.

 **98541**      **Redfield 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](http://rscdd.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**

**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.*

**O** 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. [rscdd.instructure.com](https://rscdd.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.

**O** 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. [rscdd.instructure.com](https://rscdd.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.

**O** 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. [rscdd.instructure.com](https://rscdd.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.

**O** 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. [rscdd.instructure.com](https://rscdd.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.

**O** 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. [rscdd.instructure.com](https://rscdd.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.

**R<sup>L</sup>** 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. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O** 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. [rscdd.instructure.com](https://rscdd.instructure.com)

- O** ONLINE (O) Time-flexible online lecture and materials with no scheduled meeting times
- H** HYBRID (H) Combination of online and live scheduled web or on-campus meetings
- R<sup>L</sup>** REMOTE LIVE (RL) Live scheduled web meetings during published course times
- R<sup>B</sup>** REMOTE BLENDED (RB) Live scheduled web & on-campus meetings during published dates and times
- F<sup>2</sup>F** FACE TO FACE (F2F) Meetings are on-campus during published course times

Low cost or free textbooks:



OER



ZTC



HONORS

**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. [rsccd.instructure.com](https://rsccd.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. [rsccd.instructure.com](https://rsccd.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. [rsccd.instructure.com](https://rsccd.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.*

**R<sup>L</sup> 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. [rsccd.instructure.com](https://rsccd.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. [rsccd.instructure.com](https://rsccd.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.*


**R<sup>L</sup> 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. [rsccd.instructure.com](https://rsccd.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. [rsccd.instructure.com](https://rsccd.instructure.com)

- O** **ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times
- H** **HYBRID (H)** Combination of online and live scheduled web or on-campus meetings
- R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times
- R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times
- F2F** **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<sup>L</sup> 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.

[rscdd.instructure.com](https://rscdd.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<sup>L</sup> 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.

[rscdd.instructure.com](https://rscdd.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**

**Roper D**      **SAC J-102**

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. [rscdd.instructure.com](https://rscdd.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**

**Rudd J**      **SAC J-101**

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.

Students are required to log on to Canvas on the first day of classes. [rscdd.instructure.com](https://rscdd.instructure.com)

### 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**

**Bittner M**      **SAC J-102**

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. Students are required to log on to Canvas on the first day of classes. [rscdd.instructure.com](https://rscdd.instructure.com)

### 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.*

**O 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. [rscdd.instructure.com](https://rscdd.instructure.com).

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

Low cost or  
free textbooks:



OER



ZTC



HONORS

**AUTO 280 – COMPUTER CONTROL AND OBD-2 FOUNDATIONS**

**3.0 UNITS**

The operation and diagnosis of automotive computer controlled systems. Sensors, actuators, and networks are discussed. The key segments of OBD-2 are also presented. This course assists the student in preparation for the A8 (Engine Performance) and L1 (Advanced Engine Performance) ASE certification exams.

**H 98318** **Gassaway M** **HYBRID** **06/14-08/08**  
**6:00p-9:10p Tu Th** **Gassaway M** **SAC J-101**

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](http://rsccd.instructure.com)


**BIOLOGY (BIOL)**

**BIOL 109 – FUNDAMENTALS OF BIOLOGY**

**3.0 UNITS**

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


**R<sup>L</sup> 98275** **8:00a-11:20a M Tu W Th** **Dinh-Mahavongtrakul M RL** **06/14-07/08**

 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](http://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 Textbook Cost (ZTC) class.


**R<sup>L</sup> 98277** **6:00p-8:10p M Tu W Th** **Chroman L** **RL** **06/14-07/22**

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](http://rsccd.instructure.com). There will be no instruction on-campus.


**O 98278** **Morris 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](http://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.


**O 98281** **Morris 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](http://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.

**O 98294** **Morris 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](http://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.

**O 98295** **Morris 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](http://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.

**BIOL 109L – FUNDAMENTALS OF BIOLOGY LABORATORY**

**1.0 UNIT**

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

*Prerequisite: Biology 109 or Biology 109H with a minimum grade of C or concurrent enrollment.*

**R<sup>L</sup> 98296** **8:00a-11:20a M Tu W Th** **Beltran J** **RL** **06/14-07/08**

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](http://rsccd.instructure.com). There will be no instruction on-campus.

**R<sup>L</sup> 98298** **11:30a-2:50p M Tu W Th** **Beltran J** **RL** **06/14-07/08**

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](http://rsccd.instructure.com). There will be no instruction on-campus.

**R<sup>L</sup> 98299** **6:00p-9:20p M Tu W Th** **Beltran J** **RL** **06/14-07/08**

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](http://rsccd.instructure.com). There will be no instruction on-campus.

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

Low cost or free textbooks:

 **OER**

 **ZTC**

 **HONORS**

**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.*

**R<sup>B</sup> 01202**      **2:00p-4:10p**      **M Tu W Th**      **Smith D**      **RB**      **06/14-07/22**  
 Remote Blended. Students attend both virtually on Canvas and on-campus during the days and times indicated, [rscdd.instructure.com](http://rscdd.instructure.com).

**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.*

Open Entry / Open Exit


**R<sup>L</sup> 00447**      **Takahashi M**      **RL**      **06/14-08/08**  
 This course will be conducted through remote instruction, and requires students to be present in an online forum during the times indicated in the course schedule. Students are required to have a computer with internet access, webcam and microphone. Online proctored exams may be required.

**BUSINESS (BUS)**

**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.


**O 98213**      **Carr 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. [rscdd.instructure.com](http://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.


**BUS 101 – BUSINESS LAW**

**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 Cal State Northridge. All others see Law 105 and Bus 105. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.


**O 98248**      **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. [rscdd.instructure.com](http://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. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)


**O 98250**      **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. [rscdd.instructure.com](http://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. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)


**O 98252**      **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. [rscdd.instructure.com](http://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. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)

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

**Low cost or free textbooks:**

 **OER**

 **ZTC**


 **HONORS**

**BUS 103 – COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL 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


 **98216** **Manzano M** **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.


**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.


 **98253** **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. [rscdd.instructure.com](https://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. BUS 105 is the same as LAW 105 -students can receive credit for only one class BUS 105 OR LAW 105.

 **98254** **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. [rscdd.instructure.com](https://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. BUS 105 is the same as LAW 105 -students can receive credit for only one class BUS 105 OR LAW 105.

 **98255** **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. [rscdd.instructure.com](https://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. BUS 105 is the same as LAW 105 -students can receive credit for only one class BUS 105 OR LAW 105.

**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.

 **98217** **Kowsari 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. [rscdd.instructure.com](https://rscdd.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 specifics of doing business in Latin American and Asian regions and countries including but not limited to Mexico, Vietnam, China, Central America, Brazil, Chile, and Japan.

 **98222** **6:00p-9:10p** **Tu Th** **Silva J** **RL** **06/14-08/08**  
Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.









**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.

 **98221** **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. [rscdd.instructure.com](https://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 a \$20 material fee with no additional textbook cost.

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

**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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.


**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. [rscdd.instructure.com](https://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.


 **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. [rscdd.instructure.com](https://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.

**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 users needing to update business technology knowledge and skills.

 **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. [rscdd.instructure.com](https://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.

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




**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.


**H 00305** **Manzano M** **HYBRID** **06/16-07/14**  
**9:00a-10:00a W** **Manzano M** **CANVAS**

 Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](https://rscdd.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.


**H 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 [rscdd.instructure.com](https://rscdd.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.


**O 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. [rscdd.instructure.com](https://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.

**H 98337** **Manzano M** **HYBRID** **06/14-07/12**  
**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 [rscdd.instructure.com](https://rscdd.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.

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


 Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](https://rscdd.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.

**O 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. [rscdd.instructure.com](https://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.


**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

**O 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. [rscdd.instructure.com](https://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.

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	<b>ONLINE (O)</b> Time-flexible online lecture and materials with no scheduled meeting times	<b>Low cost or free textbooks:</b>  <b>OER</b>  <b>ZTC</b>  <b>HONORS</b>
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**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. [rscdd.instructure.com](https://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.

**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**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](https://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.

**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.instructure.com)



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**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. [rscdd.instructure.com](https://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.

**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. [rscdd.instructure.com](https://rscdd.instructure.com)

**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.instructure.com)

**CHEM 209 – INTRODUCTORY CHEMISTRY**

**4.0 UNITS**

Basic concepts of matter: atomic structure, formulas, equation writing, nomenclature, gases and kinetic theory. Emphasizes properties of solutions, and the mole concept in quantitative chemistry. Prepares students for Biology and Chemistry 219.

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

 **L 97427** **8:30a-11:40a** **M W** **McAdam J** **RL** **06/14-08/05**


**8:30a-11:40a** **Tu Th** **McAdam J** **RL**  
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.


 **L 97429** **8:30a-11:40a** **Tu Th** **Visco L** **RL** **06/14-08/05**


**8:30a-11:40a** **M W** **Visco L** **RL**  
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.


 **L 97428** **6:00p-9:10p** **M W** **Yamada T** **RL** **06/14-08/05**


**6:00p-9:10p** **Tu Th** **Yamada T** **RL**  
Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://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

 **L 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**

<b>R<sup>L</sup> 97430</b>	<b>6:00p-9:10p</b>	<b>Tu Th</b>	<b>McAdam J</b>	<b>RL</b>	<b>06/14-08/05</b>
	<b>6:00p-9:10p</b>	<b>M W</b>	<b>McAdam J</b>	<b>RL</b>	

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**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.*

<b>R<sup>B</sup> 97437</b>	<b>12:00p-1:30p</b>	<b>M Tu W Th</b>	<b>Nguyen W</b>	<b>RB</b>	<b>06/14-08/05</b>
	<b>8:20a-11:35a</b>	<b>M Tu W Th</b>	<b>Nguyen W</b>	<b>SAC R-309</b>	

Remote Blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated, [rscdd.instructure.com](https://rscdd.instructure.com).

**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.*

<b>R<sup>B</sup> 97438</b>	<b>10:25a-11:55a</b>	<b>M Tu W Th</b>	<b>Mandir J</b>	<b>RB</b>	<b>06/14-08/05</b>
	<b>12:30p-3:45p</b>	<b>M Tu W Th</b>	<b>Mandir J</b>	<b>SAC R-301</b>	

Remote Blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated, [rscdd.instructure.com](https://rscdd.instructure.com).

**CHICANO STUDIES (CHST)**

**CHST 101 – INTRODUCTION TO CHICANA/O STUDIES** **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/@s/xs/es have sought to maintain their culture. This course is designed to present a foundation in Chicana/o/@/x/e Studies.

<b>97558</b>	<b>Valles R</b>	<b>ONLINE</b>	<b>06/14-07/11</b>
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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. [rscdd.instructure.com](https://rscdd.instructure.com)

<b>97559</b>	<b>Valles R</b>	<b>ONLINE</b>	<b>06/14-07/11</b>
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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. [rscdd.instructure.com](https://rscdd.instructure.com)

**CHILD DEVELOPMENT (CDEV)**

**CDEV 107 – CHILD GROWTH AND DEVELOPMENT (DS1)** **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.)


<b>R<sup>L</sup> 98475</b>	<b>9:00a-12:10p</b>	<b>Tu Th</b>	<b>Lamourelle C</b>	<b>RL</b>	<b>06/14-08/08</b>
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Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.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.


<b>98469</b>	<b>Hardy M</b>	<b>ONLINE</b>	<b>06/14-07/23</b>
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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](https://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.


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

 **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](https://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.

 **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](https://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.

 **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](https://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](https://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](https://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.

**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.*


 **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](https://rscdd.instructure.com). There will be no instruction on-campus.


**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.

 **98477** **Staff** **HYBRID** **06/14-07/11**  
**9:00a-12:00p Th Staff CANVAS**  
 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](https://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](https://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](https://rscdd.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**

**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.

**O** **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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O** **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. [rscdd.instructure.com](https://rscdd.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.

**O** **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. [rscdd.instructure.com](https://rscdd.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.

**O** **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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O** **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. [rscdd.instructure.com](https://rscdd.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.

**H** **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 [rscdd.instructure.com](https://rscdd.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.

**H** **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 [rscdd.instructure.com](https://rscdd.instructure.com).

**O** **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. [rscdd.instructure.com](https://rscdd.instructure.com)

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

Low cost or free textbooks:



OER



ZTC




HONORS

**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** **Lamourelle 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. [rscdd.instructure.com](https://rscdd.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** **Staff** **CANVAS**  
 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 [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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

 **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. [rscdd.instructure.com](https://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

 **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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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**

-  **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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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
-  **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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.instructure.com)



**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.*


-  **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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.instructure.com)

**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.

-  **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. [rscdd.instructure.com](https://rscdd.instructure.com)




**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

-  **00800** **Sim 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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



**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

**RL 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](http://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

**RL 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](http://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.

**H 98246**      **6:00p-9:10p**      **W**      **Sim J**      **HYBRID**      **06/14-08/08**  
**Sim J**      **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](http://rsccd.instructure.com). There will be no instruction on-campus.


**COUNSELING (CNLS)**


**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

**F2F 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.


**F2F 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**

**F2F 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.

**F2F 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.

**F2F 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.

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

**F2F 97135 9:00a-1:50p M W Pastrana L 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.

**F2F 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.

**O 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. [rsccd.instructure.com](https://rsccd.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.

**O 97131 Brown A 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](https://rsccd.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.

**F2F 97139 5:25p-10:15p M W Gonzalez Santillan R I-108 06/14-07/25**

**O 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. [rsccd.instructure.com](https://rsccd.instructure.com)

**O 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. [rsccd.instructure.com](https://rsccd.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.

**O 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. [rsccd.instructure.com](https://rsccd.instructure.com)

**CRIMINAL JUSTICE (CJ)**

**CJ 101 – INTRODUCTION TO CRIMINAL JUSTICE 3.0 UNITS**

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.

**R<sup>L</sup> 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. [rsccd.instructure.com](https://rsccd.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.

**R<sup>L</sup> 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. [rsccd.instructure.com](https://rsccd.instructure.com). There will be no instruction on-campus

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

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

**R<sup>L</sup> REMOTE LIVE (RL)** Live scheduled web meetings during published course times


**R<sup>B</sup> REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**F2F 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.*

<b>F2F</b>	<b>99987</b>	<b>4:00p-8:00p</b>	<b>Sa</b>	<b>Staff</b>	<b>OCS</b>	<b>06/12-06/12</b>
<b>F2F</b>	<b>99988</b>	<b>4:00p-8:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/17-06/17</b>
<b>F2F</b>	<b>99989</b>	<b>4:00p-8:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/24-06/24</b>

**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.

<b>F2F</b>	<b>99887</b>	<b>8:00a-12:00p</b>	<b>Sa</b>	<b>Stevens H</b>	<b>CJTC-SD</b>	<b>07/06-07/31</b>
		<b>5:30p-9:30p</b>	<b>Tu Th</b>	<b>Staff</b>	<b>CJTC-SD</b>	

**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

<b>F2F</b>	<b>99883</b>	<b>7:00a-4:00p</b>	<b>Sa</b>	<b>Stevens H</b>	<b>CJTC-SD</b>	<b>06/19-06/26</b>
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**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 training is not a guarantee state regulatory or licensing agencies will also grant equivalency.*

<b>F2F</b>	<b>00148</b>	<b>7:00a-8:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/11-06/11</b>
<b>F2F</b>	<b>00151</b>	<b>7:00a-8:00p</b>	<b>W</b>	<b>Staff</b>	<b>OCS</b>	<b>06/16-06/16</b>
<b>F2F</b>	<b>00153</b>	<b>7:00a-8:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/25-06/25</b>
<b>F2F</b>	<b>00205</b>	<b>7:00a-11:00a</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/10-06/10</b>
<b>F2F</b>	<b>00207</b>	<b>7:00a-11:00a</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/18-06/18</b>
<b>F2F</b>	<b>00211</b>			<b>Staff</b>		<b>06/23-06/23</b>

**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*

<b>F2F</b>	<b>00018</b>	<b>7:00a-4:00p</b>	<b>Sa</b>	<b>Staff</b>	<b>OCS</b>	<b>06/12-06/12</b>
<b>F2F</b>	<b>00019</b>	<b>7:00a-4:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/17-06/17</b>
<b>F2F</b>	<b>00020</b>	<b>7:00a-4:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/24-06/24</b>
<b>F2F</b>	<b>00270</b>	<b>8:00a-5:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>07/16-07/16</b>
<b>F2F</b>	<b>00271</b>	<b>8:00a-5:00p</b>	<b>Sa</b>	<b>Staff</b>	<b>OCS</b>	<b>07/17-07/17</b>
<b>F2F</b>	<b>01482</b>	<b>4:00p-8:00p</b>	<b>M</b>	<b>Staff</b>	<b>OCS</b>	<b>06/07-06/07</b>
<b>F2F</b>	<b>01483</b>	<b>4:00p-8:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/11-06/11</b>
<b>F2F</b>	<b>01485</b>	<b>4:00p-8:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/17-06/17</b>
<b>F2F</b>	<b>01486</b>	<b>4:00p-8:00p</b>	<b>Tu</b>	<b>Staff</b>	<b>OCS</b>	<b>06/22-06/22</b>
<b>F2F</b>	<b>00311</b>	<b>6:00p-10:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/24-06/24</b>

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**F2F** **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.*

<b>F2F</b>	<b>01427</b>	<b>7:00a-4:00p</b>	<b>Tu</b>	<b>Staff</b>	<b>OCS</b>	<b>06/08-06/08</b>
<b>F2F</b>	<b>01428</b>	<b>7:00a-4:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/11-06/11</b>
<b>F2F</b>	<b>00310</b>	<b>8:00a-5:00p</b>	<b>Sa</b>	<b>Staff</b>	<b>OCS</b>	<b>06/12-06/12</b>
<b>F2F</b>	<b>00233</b>	<b>12:00p-8:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/10-06/10</b>
<b>F2F</b>	<b>00235</b>	<b>12:00p-8:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/18-06/18</b>
<b>F2F</b>	<b>00237</b>	<b>12:00p-8:00p</b>	<b>W</b>	<b>Staff</b>	<b>OCS</b>	<b>06/23-06/23</b>

**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.*

<b>F2F</b>	<b>01548</b>	<b>8:00a-5:00p</b>	<b>M Tu</b>	<b>Staff</b>	<b>OCS</b>	<b>06/14-06/15</b>
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**CJA 059 – LAW ENFORCEMENT SUPERVISORY COURSE**

**3.5 UNITS**

P.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*

<b>F2F</b>	<b>00312</b>	<b>7:00a-4:00p</b>	<b>M Tu W Th F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/21-07/02</b>
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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 055B 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*

<b>F2F</b>	<b>01439</b>	<b>7:00a-11:00a</b>	<b>M</b>	<b>Staff</b>	<b>OCS</b>	<b>06/07-06/07</b>
<b>F2F</b>	<b>01441</b>	<b>7:00a-11:00a</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/17-06/17</b>
<b>F2F</b>	<b>01511</b>	<b>7:00a-8:00p</b>	<b>F</b>	<b>Staff</b>	<b>OCS</b>	<b>06/18-06/18</b>
<b>F2F</b>	<b>01540</b>	<b>7:00a-4:00p</b>	<b>Tu</b>	<b>Staff</b>	<b>OCS</b>	<b>06/22-06/22</b>
<b>F2F</b>	<b>01538</b>	<b>12:00p-8:00p</b>	<b>Th</b>	<b>Staff</b>	<b>OCS</b>	<b>06/10-06/10</b>
<b>F2F</b>	<b>01541</b>	<b>12:00p-8:00p</b>	<b>W</b>	<b>Staff</b>	<b>OCS</b>	<b>06/23-06/23</b>
<b>F2F</b>	<b>01440</b>	<b>4:00p-8:00p</b>	<b>Tu</b>	<b>Staff</b>	<b>OCS</b>	<b>06/08-06/08</b>

**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.

<b>O</b>	<b>97882</b>	<b>Heremans T</b>	<b>ONLINE</b>	<b>07/12-08/06</b>
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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. [rscd.instructure.com](https://rscd.instructure.com)

**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 21th Century. Emphasizes the contemporary dance heritage of the United States.

<b>O</b>	<b>98608</b>	<b>Westergard-Dobson C</b>	<b>ONLINE</b>	<b>06/14-08/08</b>
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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. [rscd.instructure.com](https://rscd.instructure.com)

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

**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.

**R<sup>B</sup> 98321**      **6:00p-10:30p**      **M W**      **Lopez Garcia L**      **RB**      **06/14-08/08**  
    **6:00p-10:15p**      **Tu Th**      **Lopez Garcia L**      **SAC J-109-3**

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. [rscdd.instructure.com](http://rscdd.instructure.com)

**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.

**O 00345**      **Taylor 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](http://rscdd.instructure.com)

**O 98610**      **Taylor 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](http://rscdd.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.

**O 98611**      **Dermody 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](http://rscdd.instructure.com)

**O 98612**      **Dermody 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](http://rscdd.instructure.com)

**O 98617**      **Lunel 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. [rscdd.instructure.com](http://rscdd.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.

**O 00346**      **Lunel 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. [rscdd.instructure.com](http://rscdd.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.

**O 00347**      **Lunel 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. [rscdd.instructure.com](http://rscdd.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.

**O 98618**      **Taylor 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](http://rscdd.instructure.com)

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

**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.

**R<sup>L</sup> 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.  
[rscdd.instructure.com](http://rscdd.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.*

**H 00349**      **11:00a-6:00p**      **Tu Th**      **Staff**      **HYBRID**      **06/14-08/08**  
**Staff**      **SAC DMC-204**  
 Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](http://rscdd.instructure.com).


**EARTH SCIENCES (ERTH)**


**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.

**R<sup>L</sup> 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.  
[rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.

**O 99744**      **Coyne 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. [rscdd.instructure.com](http://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 Textbook Cost (ZTC) class.

**O 99749**      **Coyne 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. [rscdd.instructure.com](http://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 Textbook Cost (ZTC) class.

**ECONOMICS (ECON)**

**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.*

**O 97174**      **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. [rscdd.instructure.com](http://rscdd.instructure.com)

**O 97175**      **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. [rscdd.instructure.com](http://rscdd.instructure.com)

**O 97176**      **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. [rscdd.instructure.com](http://rscdd.instructure.com)

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

**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.*

**O 97177 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97179 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**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.

**O 98490 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](https://rscdd.instructure.com)

**EDUC 205 – PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGY FOR ELEMENTARY TEACHERS**

**3.0 UNITS**

Students will develop personal proficiency in educational technologies to facilitate the teaching process in an elementary 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.

**O 98491 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](https://rscdd.instructure.com)

**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.

*Corequisite: American Heart Association Basic Life Support (BLS) Healthcare Provider Card and concurrent enrollment in Emergency Medical Technician 105.*

**R<sup>B</sup> 97076 8:00a-1:20p Tu W Th Dibb P RB 06/08-08/14**  
**1:20p-3:10p Tu W Th Dibb P RB**

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, [rscdd.instructure.com](https://rscdd.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.

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

Low cost or free textbooks:

-  **OER**
-  **ZTC**
-  **HONORS**

**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.

*Corequisite: American Heart Association Basic Life Support (BLS) Healthcare Provider Card and concurrent enrollment in Emergency Medical Technician 104.*

**R<sup>B</sup> 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, [rscdd.instructure.com](http://rscdd.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.

**H 98231**

**6:00p-9:10p**

**Tu**

**Galvez R**

**HYBRID**

**06/14-08/08**

**Galvez R**

**CANVAS**

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](http://rscdd.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.

**O 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. [rscdd.instructure.com](http://rscdd.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.

**O 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. [rscdd.instructure.com](http://rscdd.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

**H 98232**

**6:00p-8:00p**

**M W**

**Galvez R**

**HYBRID**

**06/14-08/08**

**Galvez R**

**CANVAS**

Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](http://rscdd.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.*

**F2F 97514**

**8:00a-12:30p**

**M Tu W Th**

**Rocke B**

**A-128**

**06/14-07/11**

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

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

**R<sup>L</sup> REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup> REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

**Low cost or free textbooks:**



**OER**



**ZTC**



**HONORS**



**R<sup>B</sup> 97511**      **10:15a-1:20p**      **M W**      **Martinez Guzman D**      **RB**      **06/14-07/22**  
**10:15a-1:20p**      **Tu Th**      **Staff**      **D-105**  
 Remote Blended. Students attend both virtually on Canvas and on-campus during the days and times indicated, [rscdd.instructure.com](https://rscdd.instructure.com).

**97519**      **12:00p-4:30p**      **M W**      **Staff**      **A-210**      **06/14-08/08**

**R<sup>B</sup> 97495**      **1:30p-4:35p**      **M W**      **Martinez Guzman D**      **RB**      **06/14-07/22**  
**1:30p-4:35p**      **Tu Th**      **Staff**      **D-101**  
 Remote Blended. Students attend both virtually on Canvas and on-campus during the days and times indicated, [rscdd.instructure.com](https://rscdd.instructure.com).

**R<sup>L</sup> 97510**      **6:00p-10:15p**      **M Tu W Th**      **Isbell J**      **RL**      **07/12-08/05**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 97482**      **Bootman 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97492**      **Staff**      **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](https://rscdd.instructure.com)

**O 97493**      **Bassett 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97509**      **Axtell 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97512**      **Bootman A**      **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](https://rscdd.instructure.com)

**O 97515**      **Simmerman S**      **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. [rscdd.instructure.com](https://rscdd.instructure.com)


**O 97516**      **Ramshaw 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97520**      **Ramshaw 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. [rscdd.instructure.com](https://rscdd.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.*

**R<sup>L</sup> 97521**      **10:20a-1:25p**      **M Tu W Th**      **Bassett D**      **RL**      **06/14-07/22**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.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.*

**F2F 97527**      **10:30a-2:45p**      **M Tu W Th**      **Dongell R**      **A-130**      **07/12-08/08**

**R<sup>L</sup> 97526**      **4:30p-7:35p**      **M Tu W Th**      **Patterson K**      **RL**      **06/14-08/08**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 97523**      **Carey 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. [rscdd.instructure.com](https://rscdd.instructure.com)

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times


**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**F2F** **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*

**RL 97528 4:30p-7:35p M Tu W Th Patterson K RL 06/14-07/22**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**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.*

**O 97530 Beyersdorf M 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 97553 Villa B ONLINE 06/14-07/11**

**O 97554 Beyersdorf 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](https://rscdd.instructure.com)


**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*

**RL 97555 9:00a-1:30p M Tu W Th Patterson K RL 06/14-07/08**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**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.*

**O 97556 Axtell 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**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.

**O 98411 Bonsall 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**H 98412 Bonsall L HYBRID 06/14-08/08**

**9:00a-12:10p F Bonsall L RL**  
**1:00p-4:10p F Bonsall L 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 indicated. Students log in to Canvas [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

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

**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.

**O** **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. [rscgd.instructure.com](https://rscgd.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.

**O** **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. [rscgd.instructure.com](https://rscgd.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 indicated. Students log in to Canvas [rscgd.instructure.com](https://rscgd.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.

**O** **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. [rscgd.instructure.com](https://rscgd.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 indicated. Students log in to Canvas [rscgd.instructure.com](https://rscgd.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. [rscgd.instructure.com](https://rscgd.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<sup>L</sup>** **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. [rscgd.instructure.com](https://rscgd.instructure.com). There will be no instruction on-campus.

- O** **ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times
- H** **HYBRID (H)** Combination of online and live scheduled web or on-campus meetings
- R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times
- R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times
- F<sup>2</sup>F** **FACE TO FACE (F2F)** Meetings are on-campus during published course times

**Low cost or free textbooks:**

-  **OER**
-  **ZTC**
-  **HONORS**

**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** **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. [rscdd.instructure.com](https://rscdd.instructure.com). Email instructor on the first week of class. (lunde\_ty@sac.edu)

**01656** **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. [rscdd.instructure.com](https://rscdd.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.

**01657** **Horner 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. [rscdd.instructure.com](https://rscdd.instructure.com). Email instructor on the first week of class. (horner\_stephen@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** **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. [rscdd.instructure.com](https://rscdd.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** **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. [rscdd.instructure.com](https://rscdd.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** **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. [rscdd.instructure.com](https://rscdd.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.*

**RL 99761** **9:00a-1:50p** **M W** **Hughes P** **RL** **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.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.*

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

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

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

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

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

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

Low cost or free textbooks:






 **OER**

 **ZTC**


 **HONORS**


## HISTORY (HIST)


- 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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.
- 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. [rscdd.instructure.com](https://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.
-  **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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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**

## 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. [rscdd.instructure.com](https://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.

 **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. [rscdd.instructure.com](https://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. 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.

<b>F2F 99023</b>	<b>4:55p-7:05p</b>	<b>M W</b>	<b>Luppani M</b>	<b>G-105</b>	<b>06/28-08/05</b>
	<b>2:45p-4:55p</b>	<b>Tu Th</b>	<b>Staff</b>	<b>SAC G-105</b>	

**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.*

<b>F2F 99028</b>	<b>4:55p-7:05p</b>	<b>M W</b>	<b>Luppani M</b>	<b>G-105</b>	<b>06/28-08/05</b>
	<b>2:45p-4:55p</b>	<b>Tu Th</b>	<b>Staff</b>	<b>SAC G-105</b>	

**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.*

<b>F2F 99035</b>	<b>4:55p-7:05p</b>	<b>M W</b>	<b>Luppani M</b>	<b>G-105</b>	<b>06/28-08/05</b>
	<b>2:45p-4:55p</b>	<b>Tu Th</b>	<b>Staff</b>	<b>SAC G-105</b>	

**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.

<b>F2F 98996</b>	<b>10:30a-12:40p</b>	<b>M Tu W Th</b>	<b>Vasquez J</b>	<b>G-118</b>	<b>06/28-08/05</b>
<b>F2F 98992</b>	<b>1:30p-3:40p</b>	<b>M Tu W Th</b>	<b>Baquero J</b>	<b>G-118</b>	<b>06/28-08/05</b>

**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.*

<b>F2F 98997</b>	<b>10:30a-12:40p</b>	<b>M Tu W Th</b>	<b>Vasquez J</b>	<b>G-118</b>	<b>06/28-08/05</b>
<b>F2F 98993</b>	<b>1:30p-3:40p</b>	<b>M Tu W Th</b>	<b>Baquero J</b>	<b>G-118</b>	<b>06/28-08/05</b>

**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 as 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.*

<b>F2F 98998</b>	<b>10:30a-12:40p</b>	<b>M Tu W Th</b>	<b>Vasquez J</b>	<b>G-118</b>	<b>06/28-08/05</b>
<b>F2F 98994</b>	<b>1:30p-3:40p</b>	<b>M Tu W Th</b>	<b>Baquero J</b>	<b>G-118</b>	<b>06/28-08/05</b>

**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.

<b>F2F 99591</b>	<b>7:05p-8:35p</b>	<b>M Tu W Th</b>	<b>Abbey T</b>	<b>G-105</b>	<b>06/14-08/05</b>
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**KNAC 290B – INTERMEDIATE VOLLEYBALL**

**1.0 UNIT**

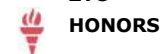
An intermediate volleyball activities course. Emphasis will be placed on intermediate technical skill development, offensive and defensive systems analysis, and sport specific physical fitness assessment and conditioning activities. This course will be offered as a half-unit or one-unit class and may not be repeated.

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

<b>F2F 99592</b>	<b>7:05p-8:35p</b>	<b>M Tu W Th</b>	<b>Abbey T</b>	<b>G-105</b>	<b>06/14-08/05</b>
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- O** **ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times
- H** **HYBRID (H)** Combination of online and live scheduled web or on-campus meetings
- R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times
- R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times
- F2F** **FACE TO FACE (F2F)** Meetings are on-campus during published course times

**Low cost or free textbooks:**





## 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. [rscdd.instructure.com](https://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.

 **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. [rscdd.instructure.com](https://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.

### 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. [rscdd.instructure.com](https://rscdd.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 masculinity 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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.

	<b>98999</b>	2:30p-3:30p 3:30p-4:50p	Tu W Th Tu W Th	Jones G Staff	G-114 SAC G-113	<b>06/15-07/08</b>
	<b>99005</b>	2:30p-3:30p 3:30p-4:50p	Tu W Th Tu W Th	Nyssen A Staff	G-114 SAC G-113	<b>06/15-07/08</b>

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

<b>F2F</b>	<b>98995</b>	<b>9:00a-10:20a</b>	<b>M Tu W Th</b>	<b>Vasquez J</b>	<b>G-103</b>	<b>06/28-08/05</b>
<b>F2F</b>	<b>98991</b>	<b>12:00p-1:20p</b>	<b>M Tu W Th</b>	<b>Baquero J</b>	<b>G-103</b>	<b>06/28-08/05</b>

**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.

<b>F2F</b>	<b>99000</b>	<b>2:30p-3:30p</b>	<b>Tu W Th</b>	<b>Jones G</b>	<b>G-103</b>	<b>07/13-08/05</b>
		<b>3:30p-4:50p</b>	<b>Tu W Th</b>	<b>Jones G</b>	<b>SAC G-113</b>	

Section 99000 is for designated offensive players

<b>F2F</b>	<b>99006</b>	<b>2:30p-3:30p</b>	<b>Tu W Th</b>	<b>Nyssen A</b>	<b>G-114</b>	<b>07/13-08/05</b>
		<b>3:30p-4:50p</b>	<b>Tu W Th</b>	<b>Nyssen A</b>	<b>SAC G-113</b>	

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.

<b>F2F</b>	<b>99041</b>	<b>7:00p-9:10p</b>	<b>M Tu W Th</b>	<b>Silva V</b>	<b>W-111</b>	<b>06/14-07/22</b>
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**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.

	<b>98683</b>			<b>Sos B</b>	<b>ONLINE</b>	<b>06/14-07/25</b>
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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. [rscdd.instructure.com](https://rscdd.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.


	<b>99014</b>			<b>Luppiani M</b>	<b>ONLINE</b>	<b>06/28-08/08</b>
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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. [rscdd.instructure.com](https://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.

**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.

	<b>99016</b>			<b>Luppiani M</b>	<b>ONLINE</b>	<b>06/28-08/08</b>
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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. [rscdd.instructure.com](https://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.






**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.


	<b>99013</b>			<b>Luppiani M</b>	<b>ONLINE</b>	<b>06/14-08/08</b>
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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. [rscdd.instructure.com](https://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.

-  **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 (LAW)

### 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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. 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. [rscdd.instructure.com](https://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. 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. [rscdd.instructure.com](https://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. 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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 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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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
-  **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**

**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.*

**RL 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. [rscdd.instructure.com](https://rscdd.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.

**O 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. [rscdd.instructure.com](https://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.

**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.

**O 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. [rscdd.instructure.com](https://rscdd.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.*

**RL 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. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.


**RL 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. [rscdd.instructure.com](https://rscdd.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.









**O 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. [rscdd.instructure.com](https://rscdd.instructure.com). There is no additional textbook course for this ZTC class.


**O 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. [rscdd.instructure.com](https://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. Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.

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

*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.*

**R<sup>L</sup> 97478**      **8:00a-11:05a**      **M Tu W Th**      **Mishal A**      **RL**      **06/14-07/22**  
 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. [rscdd.instructure.com](https://rscdd.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.

**R<sup>L</sup> 97485**      **6:00p-9:05p**      **M Tu W Th**      **Lechuga J**      **RL**      **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 97486**      **Nguyen 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. [rscdd.instructure.com](https://rscdd.instructure.com).


**O 97487**      **Mishal A**      **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](https://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.

**O 97488**      **Vu D**      **ONLINE**      **06/14-07/25**  
 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. [rscdd.instructure.com](https://rscdd.instructure.com).

**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.*

**R<sup>L</sup> 97489**      **6:00p-9:50p**      **M Tu W Th**      **Nguyen K**      **RL**      **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.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.

**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.*

**R<sup>L</sup> 97490**      **8:00a-11:05a**      **M Tu W Th**      **Lui R**      **RL**      **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 97491**      **McKowan-Bourguignon 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. [rscdd.instructure.com](https://rscdd.instructure.com). 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.

**MATH 180 – SINGLE VARIABLE CALCULUS I**      **4.0 UNITS**

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

*Prerequisite: Mathematics 140 and Mathematics 162 or Mathematics 170 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 180 according to the Santa Ana College Mathematics Department's placement standards.*

**R<sup>L</sup> 97494**      **11:15a-2:20p**      **M Tu W Th**      **Lopez S**      **RL**      **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times


**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times


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


**Low cost or free textbooks:**

 **OER**


 **ZTC**


 **HONORS**


 **97497** **Ro 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. [rscdd.instructure.com](https://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.

 **97498** **Romero 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](https://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.


**MATH 185 – SINGLE VARIABLE CALCULUS II** **4.0 UNITS**  
 Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences, and infinite series.  
*Prerequisite: Mathematics 180 or Mathematics 180H with a minimum grade of C.*

 **97496** **8:00a-11:05a** **M Tu W Th** **Sweeney G** **RL** **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.


 **97499** **Everett 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](https://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.


 **97500** **Sweeney 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. [rscdd.instructure.com](https://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.


**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.*

 **97501** **8:00a-11:05a** **M Tu W Th** **Ghaffari A** **RL** **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.









**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.*










 **97441** **8:00a-11:05a** **M Tu W Th** **Corp R** **RL** **06/14-07/22**  
 Section #97441 is linked to Math 019 #97440. Enrollment in both sections is mandatory. Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.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.

 **97502** **11:15a-2:20p** **M Tu W Th** **Lui R** **RL** **06/14-07/22**  
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

 **97503** **Tolentino 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](https://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.


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

-  **97504** **Lui 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. [rscdd.instructure.com](https://rscdd.instructure.com).
-  **97505** **Corp 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. [rscdd.instructure.com](https://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.
-  **97506** **Romero 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](https://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.
-  **97507** **Smith 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. [rscdd.instructure.com](https://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.
-  **97508** **Smith 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. [rscdd.instructure.com](https://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.

## MEDICAL ASSISTANT (MA)

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


 **97263** **8:00a-12:30p** **F** **Emley C** **RL** **07/12-07/30**


**MA 030 – PHLEBOTOMY** **1.0 UNIT**  
 This phlebotomy course is designed for health care workers and provides a comprehensive introduction to the practice of phlebotomy, with focus on safety procedures, equipment and point-of-care testing.

 **97264** **9:00a-3:00p** **F Sa** **Emley C** **HYBRID** **07/12-08/08**  
**R-307**

Hybrid instruction. This course is a combination of online instruction and on-campus lab meetings during the following dates and times: 8/6 and 8/7 from 9:00am-3:00pm in R-307 Russell Hall. Students log in to Canvas [rscdd.instructure.com](https://rscdd.instructure.com)


**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.






 **97266** **Emley 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. [rscdd.instructure.com](https://rscdd.instructure.com).




 **97267** **Candelario 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. [rscdd.instructure.com](https://rscdd.instructure.com).

**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, musculoskeletal, skin, sensory, and the endocrine systems.

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

 **97268** **Candelario J** **ONLINE** **07/12-08/08**  
[rscdd.instructure.com](https://rscdd.instructure.com) 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**

**O** 97269 **Emley C** **ONLINE** **07/12-08/08**  
[rsccd.instructure.com](https://rsccd.instructure.com) 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.

**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.*


**R<sup>L</sup>** 99481 **9:00a-12:10p** **Tu Th** **Candelario J** **RL** **06/14-08/08**  
 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times.  
[rsccd.instructure.com](https://rsccd.instructure.com). There will be no instruction on-campus.


**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 Assitant 051A and Medical Assistant 053 with a minimum grade of C.*

**H** 97270 **5:00p-9:00p** **Tu** **Seitz C** **HYBRID** **06/14-07/11**  
**Seitz C** **CANVAS**  
 Hybrid instruction. This class will be conducted through remote instruction plus mandatory online live streaming session on July 15th from 5:00-9:00pm. Students are required to have access to the Internet and have a device with a camera and microphone. The instructor will also provide details on other work, assignments, and assessment to be completed remotely. Students are required to logon to Canvas on the first day of classes. [rsccd.instructure.com](https://rsccd.instructure.com)


## MUSIC (MUS)

**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.

**O** 98621 **Jones E** **ONLINE** **06/14-07/11**  
 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](https://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




**O** 98622 **Briones M** **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](https://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 \$10 material fee with no additional textbook cost.

**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.

**O** 98623 **Briones M** **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](https://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

**O** 98625 **Kehlenbach 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](https://rsccd.instructure.com)

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


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



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

## 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.

 **97887** **Wang W** **ONLINE** **06/14-07/23**  
 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](https://rscdd.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.*

**97939** **Padilla J** **CANVAS** **06/14-08/08**  
 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. [rscdd.instructure.com](https://rscdd.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.

 **98267** **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. [rscdd.instructure.com](https://rscdd.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.

 **98268** **Smith 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. [rscdd.instructure.com](https://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.


**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.




 **98269** **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.

**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.

 **98305** **Smith K** **HYBRID** **06/14-08/08**  
**6:00p-10:00p Th** **Smith K** **CANVAS**  
 Hybrid instruction. A combination of online and live streaming instruction during the days and times indicated. Students log in to Canvas [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus. There is no additional textbook cost for this ZTC class.

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-  **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. [rscd.instructure.com](http://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.

**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**

**PHAR 072C – 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 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 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.

**RL 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.

[rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 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. [rscdd.instructure.com](https://rscdd.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.

**RL 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.

[rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.

**O 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. [rscdd.instructure.com](https://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.

**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.*

**O 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**O 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. [rscdd.instructure.com](https://rscdd.instructure.com)

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

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

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


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

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

**Low cost or free textbooks:**

 **OER**

 **ZTC**

 **HONORS**


**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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.*

**R<sup>L</sup> 98303** **9:15a-11:25a** **M Tu W Th** **Chakhad M** **RL** **06/14-07/22**  
**11:45a-1:55p** **M Tu W Th** **Chakhad M** **RL**

Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](https://rscdd.instructure.com). There will be no instruction on-campus.


**POLITICAL SCIENCE (POLT)**

**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.

**F2F 97332** **8:00a-11:10a** **Tu Th** **Becker C** **D-101** **06/14-08/08**  
**F2F 97333** **9:15a-11:25a** **M Tu W Th** **Murphy T** **D-106** **06/14-08/08**  
**F2F 97327** **11:30a-1:40p** **M Tu W Th** **Murphy T** **D-106** **06/14-08/08**  
**F2F 97337** **12:30p-5:20p** **M W** **Petri M** **D-101** **06/14-08/08**  
**F2F 97320** **6:00p-9:20p** **M W** **Becker C** **D-106** **06/14-08/08**  
**F2F 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. [rscdd.instructure.com](https://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.

**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. [rscdd.instructure.com](https://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.

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


**PSYCHOLOGY (PSYC)****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.


**R<sup>L</sup> 97397**      **8:00a-10:10a**      **M Tu W Th**      **Pedroza J**      **RL**      **06/14-07/22**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://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.


**R<sup>L</sup> 97403**      **10:30a-12:40p**      **M Tu W Th**      **Pedroza J**      **RL**      **06/14-07/22**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://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.


**O 97404**      **Ortiz 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](https://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.

**O 97406**      **Castillo R**      **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](https://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.


**O 97408**      **Yimenu B**      **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](https://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 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.

**O 97411**      **Ortiz 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](https://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 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.

**O 97412**      **Nardi N**      **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](https://rsccd.instructure.com)

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://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.

**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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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. [rscdd.instructure.com](https://rscdd.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**


## SOCIOLOGY (SOC)

### SOC 100 – INTRODUCTION TO SOCIOLOGY


**3.0 UNITS**

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

**R<sup>L</sup> 97568**      **8:00a-11:10a**      **Tu Th**      **Torres S**      **RL**      **06/14-08/08**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://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.

**R<sup>L</sup> 97574**      **8:00a-12:50p**      **M W**      **Campbell A**      **RL**      **06/14-07/25**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://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.

**R<sup>L</sup> 97570**      **11:00a-2:10p**      **Tu Th**      **Aleman A**      **RL**      **06/14-08/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://rsccd.instructure.com). There will be no instruction on-campus.

**R<sup>L</sup> 97569**      **6:00p-9:20p**      **M W**      **Torres S**      **RL**      **06/14-08/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://rsccd.instructure.com). There will be no instruction on-campus.

**O 97571**      **O'Dell 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](https://rsccd.instructure.com)

### SOC 112 – RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS

**3.0 UNITS**

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

**R<sup>L</sup> 97573**      **8:00a-12:15p**      **Tu Th**      **Campbell A**      **RL**      **06/14-07/25**

 Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rsccd.instructure.com](https://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.

**O 97572**      **O'Dell R**      **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](https://rsccd.instructure.com)


## SPANISH (SPAN)

### SPAN 101 – ELEMENTARY SPANISH I

**5.0 UNITS**

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

**H 00518**      **2:00p-4:30p**      **M**      **Aguilar Hernandez G**      **HYBRID**      **06/14-07/25**

 Online instruction with five mandatory virtual streaming meetings on Mondays, 6/14, 6/21, 6/28, 07/12, and 7/19 from 2:00-4:30 p.m. No on-campus meetings. This section is a Dual Enrollment course open to Segerstrom High School (SHS) 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](https://rsccd.instructure.com)

**O 97331**      **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](https://rsccd.instructure.com)

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times


**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

**F<sup>2</sup>F** **FACE TO FACE (F2F)** Meetings are on-campus during published course times

**Low cost or free textbooks:**

 **OER**

 **ZTC**

 **HONORS**



**O 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**H 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**H 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**O 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**H 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**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.

**O 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**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.*

**O 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. [rscdd.instructure.com](http://rscdd.instructure.com)

**O 97434** 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. [rscdd.instructure.com](http://rscdd.instructure.com)

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

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

**R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times

**R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times

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

Low cost or free textbooks:



OER



ZTC




HONORS

**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 log on to Canvas on the first day of class. [rscdd.instructure.com](http://rscdd.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. [rscdd.instructure.com](http://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.

**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.


 **00999** **10:00a-11:50a** **M Tu W Th** **Staff** **RL** **06/14-07/29**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.









 **01028** **1:00p-4:20p** **Tu W Th** **Staff** **RL** **06/08-07/08**

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. [rscdd.instructure.com](http://rscdd.instructure.com). There will be no instruction on-campus.

 **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. [rscdd.instructure.com](http://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

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

**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.

**O 98635 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**WELDING (WELD)**

**WELD 101 – INTRODUCTION TO WELDING**

**3.0 UNITS**

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).

**R<sup>B</sup> 98345 Diamond Z RB 06/14-08/08**  
**8:00a-12:15p Tu W Th Diamond Z K-115**  
 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. [rscdd.instructure.com](https://rscdd.instructure.com)

**WELD 111 – WELDING LAB SKILLS**

**2.0 UNITS**

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.

*Prerequisite: Welding 240 with a minimum grade of C.*

**F<sup>2</sup>F 99621 6:00p-10:25p M W F Kirby B K-101 06/14-08/08**

**WELD 177 – WELDING METALLURGY**

**3.0 UNITS**

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.

**O 98347 Gonzales 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 course work. [rscdd.instructure.com](https://rscdd.instructure.com)




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

**2.0 UNITS**

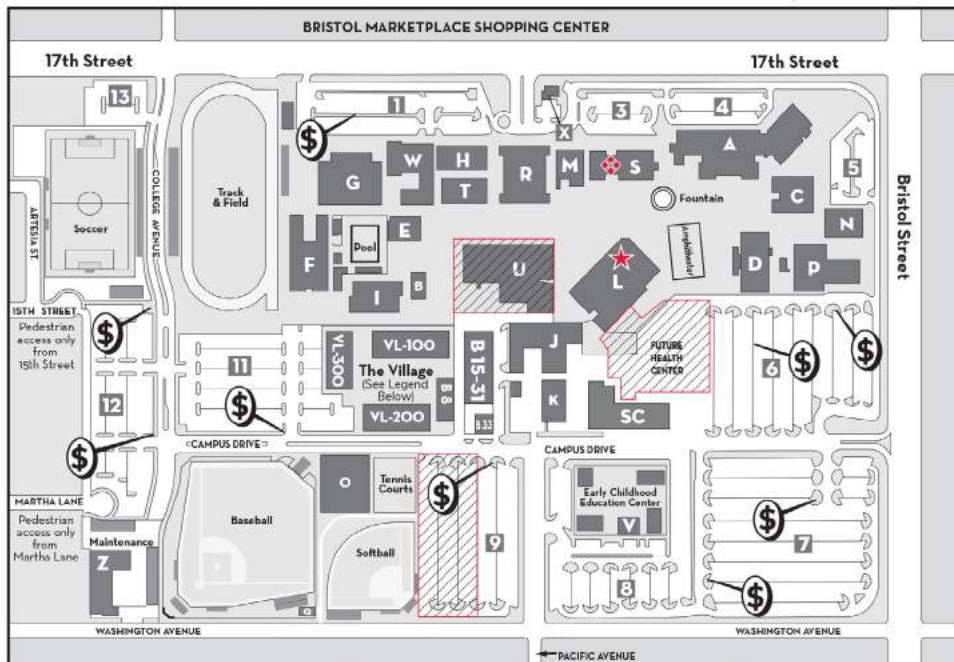
This course is designed for welding students looking to achieve their certification in the written portion of the American Welding Society (AWS) D1.1 Structural Steel code book. Emphasis will be focused on understanding and navigating the D1.1 Structural Steel code book. Students will cover prequalified/qualified 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.

**O 98346 Gonzales 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 course work. [rscdd.instructure.com](https://rscdd.instructure.com)

- O** **ONLINE (O)** Time-flexible online lecture and materials with no scheduled meeting times
- H** **HYBRID (H)** Combination of online and live scheduled web or on-campus meetings
- R<sup>L</sup>** **REMOTE LIVE (RL)** Live scheduled web meetings during published course times
- R<sup>B</sup>** **REMOTE BLENDED (RB)** Live scheduled web & on-campus meetings during published dates and times
- F<sup>2</sup>F** **FACE TO FACE (F2F)** Meetings are on-campus during published course times

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

## CAMPUS MAP



**PARKING**

**\$** Daily Permit Dispenser (\$2.00 for 8 hours)

1	STAFF
2	SECURITY
3	VISITOR
4 - 5	STAFF
6 - 13	STUDENT (except as posted)

**CAUTION!**  
 Parking in Bristol Marketplace, across the street from Santa Ana College, is not allowed. Violations will result in tow-aways. RSCCD requires parking permits for student and staff lots at Santa Ana College and Santiago Canyon College. Semester Parking Permits may be purchased at time of registration for \$30.00 in the Student Business Office (VL-205B) in the Village at Santa Ana College, as well as in the Cashier's Office at Santiago Canyon College. The purchase of your permit funds parking services and vehicle security when parked on campus.

  Denotes "Closed for Construction"  
 ★ Student Help Desk - Inside Nealey Library  
 ❖ Student Resource Desk: S-Building Lobby

**SAC FACILITIES AND LOCATIONS** To see the most recent version of this map, go to [sac.edu/AboutSAC/Maps](http://sac.edu/AboutSAC/Maps)

<b>A</b>	<b>Cesar Chavez Building</b>	
	Academic Computing Center	(A-106)
	Distance Education	(A-101)
<b>B</b>	<b>Middle College High School</b>	
	SAUSD Administration Office	(B-10)
	Classrooms (The Village)	(VL-300)
<b>B B</b>	<b>Adult Education Center Office</b>	
<b>B 15 - 31</b>	<b>Adult Education Classrooms</b>	
<b>B 33</b>	<b>Adult Education Classrooms</b>	
<b>C</b>	<b>Fine Arts / Art Gallery</b>	
<b>D</b>	<b>Dunlap Hall</b>	
	Honors Program	(D-307)
	Learning Center	(D-428)
<b>E</b>	<b>Fitness Center</b>	
<b>F</b>	<b>Locker Rooms</b>	
<b>G</b>	<b>Cook Gym</b>	
<b>H</b>	<b>Hammond Hall</b>	
<b>I</b>	<b>Classroom Building</b>	
<b>J</b>	<b>Auto Shop</b>	
<b>K</b>	<b>Welding / Auto Diesel</b>	
<b>L</b>	<b>Nealey Library - 1st Floor</b>	
	<b>L Building - 2nd Floor:</b>	
	Assessment Center	(L-223)
	Career Center	(L-222)
	Math Study Center	(L-204)
	MESA Program	(L-206)

<b>M</b>	<b>Planetarium</b>	
	Veterans Resource Center	(M-120)
<b>N</b>	<b>Music Building</b>	
<b>O</b>	<b>Central Plant</b>	
<b>P</b>	<b>Phillips Hall Theatre</b>	
<b>Q</b>	<b>Sports Concession</b>	
<b>R</b>	<b>Russell Hall</b>	
	Student Support Services / TRIO	(R-115)
<b>S</b>	<b>Administration Building - First Floor:</b>	
	Admissions / Records	(S-101)
	Counseling	(S-112)
	Graduation Office	(S-104)
	Promise Program	(S-110)
	PUENTE Program	(S-110)
	University Transfer Center & Center for Teacher Education	(S-110)
	<b>Administration Building - 2nd Floor:</b>	
	Community Services Program	(S-203)
	Foundation	(S-201)
	Scholarship Program	(S-201)
	Student Outreach	(S-213)
<b>SC</b>	<b>Science Center</b>	
<b>T</b>	<b>Technical Arts</b>	
<b>U</b>	<b>Johnson Center (Under Construction)</b>	
<b>V</b>	<b>Early Childhood Education Center</b>	
	Classroom	(V-103)

<b>VL</b>	<b>The Village</b>	
	Bookstore	(VL-209)
	Campus Store	(VL-206)
	Classroom	(VL-103)
	Disabled Students Program (DSPS)	(VL-204)
	EOPS/CARE/CalWORKs	(VL-110)
	EOPS/CARE/CalWORKs Resource Center	(VL-109)
	Financial Aid	(VL-105)
	Guardian Scholars	(VL-108)
	Health & Wellness Center	(VL-211)
	International Student Program	(VL-104)
	Middle College High School Classrooms	(VL-300)
	Student Business Office	(VL-205B)
	Student Life (ASG)	(VL-108)
	Student Placement	(VL-106)
	The Spot	(VL-210)
<b>W</b>	<b>Kinesiology</b>	
<b>X</b>	<b>Security / Safety</b>	
<b>Z</b>	<b>Maintenance</b>	



**SAC IS TOBACCO-FREE**  
 Use of tobacco-related products is allowed only in parking lots.



# ONLINE LEARNING AT SAC

## In your space ... in your time

- Distance Education courses give you an opportunity to complete most of your work outside the traditional classroom.
- Earn your degree
- An education that works around your schedule
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- Equivalent to standard classes that meet general education and university transfer requirements
- Convenient and flexible

With over 400 online courses, Santa Ana College will help you to accelerate your education and career goals. Distance Education consultants are available if you would like some helpful advice on finding the right path for you.

[sac.edu/online](http://sac.edu/online)

Contact us @ (714) 564-6725 or [sac\\_disted@sac.edu](mailto:sac_disted@sac.edu)

Distance Education Office - Cesar Chavez Building, Room A-101



## SANTA ANA COLLEGE

1530 West 17th Street • Santa Ana, CA 92706 • [sac.edu](http://sac.edu)

### CENTENNIAL EDUCATION CENTER

2900 West Edinger Avenue  
Santa Ana, CA 92704

[sac.edu/cec](http://sac.edu/cec)

### DIGITAL MEDIA CENTER

1300 South Bristol Street  
Santa Ana, CA 92708

[ranchodmc.com](http://ranchodmc.com)

### ORANGE COUNTY SHERIFF'S REGIONAL TRAINING ACADEMY

15991 Armstrong Avenue  
Tustin, CA 92782

### JOINT POWERS FIRE TRAINING CENTER

18301 Gothard  
Huntington Beach, CA 92648

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