

# Norco College - Winter 2023 Class Schedule

## Reading the Schedule of Classes

SECT#	COURSE#	Description	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>ANTHROPOLOGY</b>								
47362	ANT-1	Physical Anthropology	3			ON-LINE	M Stockdale	MM/DD - MM/DD/YY
The above section is an online class. Computer with internet access required. See www.opencampus.com								
47367	ANT-1	Physical Anthropology	3	W	06:00PM-08:50PM	HUM-111	S Wakim	MM/DD - MM/DD/YY
47375	ANT-2	Cultural Anthropology	3	TTh	11:10AM-12:35PM	QD-201	P Roberts	MM/DD - MM/DD/YY

**Subject** (points to Description)  
**Section Notes** (points to Description)  
**Section Number** (points to SECT#)  
**Course Number** (points to COURSE#)  
**Shade denotes evening class (after 4:00pm)** (points to Time)  
**Building-Room** (points to Bldg-Room)

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### Credit Classes

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>ACCOUNTING</b>									
ACC-1A	Principles of Accounting I								
Prerequisite: None Advisory: BUS-20 Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture. (Letter grade only)									
30978	ACC-1A	Lecture		3			ON-LINE	D White	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
30979	ACC-1A	Lecture		3			ON-LINE	D White	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ACC-1B	Principles of Accounting II								
Prerequisite: ACC-1A Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. (Letter grade only)									
30980	ACC-1B	Lecture		3			ON-LINE	P Worsham	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ACC-66	Non-Profit and Governmental Accounting								
Prerequisite: ACC-1A Advisory: BUS-20 Description: Principles and practices of non-profit and governmental entities fund accounting. Topics include accounting concepts, types and structure of funds and accounts, and application of generally accepted accounting principles to non-profit and governmental organizations. 54 hours lecture. (Letter grade only)									
30982	ACC-66	Lecture		3			ON-LINE	P Worsham	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

### ADMINISTRATION OF JUSTICE

ADJ-1	Introduction to the Administration of Justice								
Prerequisite: None Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture. (Letter grade only)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
30983	ADJ-1	Lecture		3			ON-LINE	L Doyle	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ADJ-3	Concepts of Criminal Law								
Prerequisite: None Description: Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture. (Letter grade only)									
31190	ADJ-3	Lecture		3			ON-LINE	M Leese	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ADJ-5	Community Relations								
Prerequisite: None Description: Examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. 54 hours lecture. (Letter grade only)									
30984	ADJ-5	Lecture		3			ON-LINE	M Leese	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## ANTHROPOLOGY

ANT-1	Physical Anthropology								
Prerequisite: None Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture. (Letter grade only)									
30985	ANT-1	Lecture		3			ON-LINE	A Gray	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
30986	ANT-1	Lecture		3			ON-LINE	A Gray	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
30987	ANT-1	Lecture		3			ON-LINE	A Gray	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ANT-1L	Physical Anthropology Laboratory								
Prerequisite: None Corequisite: Concurrent enrollment in or prior completion of ANT-1 or 1H required. Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.									
30988	ANT-1L	Lab		1			ON-LINE	A Mejia	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ANT-2	Cultural Anthropology								
Prerequisite: None Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture. (Letter grade only)									
30989	ANT-2	Lecture		3			ON-LINE	A Mejia	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## ART

ART-6	Art Appreciation								
Prerequisite: None Advisory: ENG-1A Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Same as AHS-6) (Letter Grade, or Pass/No Pass option.)									
30993	ART-6	Lecture		3			ON-LINE	R Dzikonski	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
30994	ART-6	Lecture		3			ON-LINE	D Campuzano	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
30995	ART-6	Lecture		3			ON-LINE	L Stone	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ART-17	Beginning Drawing								
Prerequisite: None Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
30991	ART-17	Lecture		3	MTWTh	08:00AM-09:20AM	ATEC-209	T Haerens	01/03 - 02/09/23
		Lab			MTWTh	09:30AM-12:20PM	ATEC-209		01/03 - 02/09/23
ART-22	Basic Design								
Prerequisite: None Description: An introduction to the fundamentals of two-dimensional design. The organization of visual elements according to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill, and presentation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
30992	ART-22	Lecture		3			ON-LINE	M Lindeman	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## ART HISTORY

AHS-6	Art Appreciation								
Prerequisite: None Advisory: ENG-1A Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both AHS-6 and AHS-6H. 54 hours lecture. (Same as ART-6) (Letter Grade, or Pass/No Pass option.)									
31224	AHS-6	Lecture		3			ON-LINE	R Dzikonski	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
31225	AHS-6	Lecture		3			ON-LINE	D Campuzano	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31226	AHS-6	Lecture		3			ON-LINE	L Stone	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## BIOLOGY

### BIO-1 General Biology

Prerequisite: None. Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

30996	BIO-1	Lecture	ZTC	4			ON-LINE	M Jones	01/03 - 02/09/23
		Lab			MTTh	11:30AM-02:40PM	ST-203		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31125	BIO-1	Lecture	ZTC	4			ON-LINE	M Jones	01/03 - 02/09/23
		Lab			MTTh	08:00AM-11:10AM	ST-203		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### BIO-4 Human Biology (formerly Bio-17)

Prerequisite: None Description: A non-major introductory course in biology which offers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific function and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory. (Letter grade only)

30998	BIO-4	Lecture		4			ON-LINE	F Almasarweh	01/03 - 02/09/23
		Lab			MTW	08:00AM-11:10AM	IT-128		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31124	BIO-4	Lecture		4			ON-LINE	F Almasarweh	01/03 - 02/09/23
		Lab			MTW	11:30AM-02:40PM	IT-128		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### BIO-10 Life Science Principles

Prerequisite: None Description: For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.

30997	BIO-10	Lecture	ZTC	3			ON-LINE	T Friedrich Finnerm	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### BIO-45 Survey of Human Anatomy and Physiology (formerly Amy-10)

Prerequisite: None Description: An introductory and survey course of structural and functional aspects of the human body. Emphasis is placed on cell organization, human tissues, and discussion of each of the human systems. 54 hours lecture. (Letter Grade Only)

31123	BIO-45	Lecture	ZTC	3			ON-LINE	C Breidenbaugh	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### BIO-50A Anatomy and Physiology I (formerly Amy-2a)

Prerequisite: BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal, muscular systems, neurophysiology, and central nervous system. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory. (Letter grade only)

30999	BIO-50A	Lecture		4	MTWTh	08:00AM-09:20AM	ST-211	J Drainville	01/03 - 02/09/23
		Lab			MTWTh	09:35AM-02:10PM	ST-211		01/03 - 02/09/23
31000	BIO-50A	Lecture		4	MTWTh	03:00PM-04:20PM	ST-211	A Tocts	01/03 - 02/09/23
		Lab			MTWTh	04:35PM-09:10PM	ST-211		01/03 - 02/09/23

## BUSINESS ADMINISTRATION

### BUS-10 Introduction to Business

Prerequisite: None. Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

31002	BUS-10	Lecture		3			ON-LINE	P Worsham	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31191	BUS-10	Lecture		3	T	06:00PM-09:20PM	IT-109	V Mixson	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### BUS-18A Business Law I

Prerequisite: None. Description: Covers the fundamental legal principles pertaining to business transactions. Provides and overview of an introduction to the legal process and dispute resolution. Coverage of federal and state court systems and a comprehensive study of contracts under the common law and the Uniform Commercial Code. Additional coverage includes include sources of law, business ethics, constitutional law, tort law, agency, business organizations, and criminal law as applied to business. 54 hours lecture. (Letter grade only)

31003	BUS-18A	Lecture		3			ON-LINE	J Alpay	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31004	BUS-18A	Lecture		3			ON-LINE	J Alpay	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### BUS-20 Business Mathematics

Prerequisite: None Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture. (Letter grade only)

31005	BUS-20	Lecture		3			ON-LINE	E Doucette	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
BUS-24		Business Communication							
Prerequisite: ENG-1A or ENG-1AH Description: Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.									

31006	BUS-24	Lecture		3			ON-LINE	E Doucette	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.

31249	BUS-24	Lecture		3			ON-LINE	E Doucette	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.

BUS-47		Applied Business and Management Ethics							
Prerequisite: None Description: An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option)									

31007	BUS-47	Lecture		3			ON-LINE	D White	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.

## CARPENTRY

CRP-421A		Orientation-Hand Tools Safety							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Overview of the construction industry, safety overview, with a focus on tool identification and use. Upon successful completion, students will receive OSHA 10 Hour and Powder Actuated Tool Certifications. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31261	CRP-421A	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	A Martinez	01/23 - 01/26/23
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		01/23 - 01/26/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-421C		Basic Wall Framing							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Wall construction theory, methods, and procedures required to frame basic residential walls. Practical experience using proper tool techniques and appropriate materials will provide students with fundamental skill development. An introduction to print reading will prepare students to locate measurements for determining wall lengths and size of openings. Students will perform basic wall layout tasks, use plating procedures, and assemble and brace framing before aligning and completing the selected wall construction project to industry standards. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31265	CRP-421C	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	02/06 - 02/09/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		02/06 - 02/09/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-422A		Commercial Floor Framing							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Floor joist construction and the various installation techniques used in the commercial industry. Students will interpret floor plans for job planning, identify floor joist system, and calculate material take offs. Integration of wall plating, joist layout, and floor sheathing methods will be included. Instruction will incorporate measuring skills, use of math operations, specialty hardware applications, and identification of appropriate building codes. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31254	CRP-422A	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	A Martinez	01/03 - 01/06/23
		Lab			TWThF	12:45PM-05:00PM	RSWC-CLAS		01/03 - 01/06/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

31260	CRP-422A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	01/16 - 01/19/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/16 - 01/19/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-422B		Basic Stairs							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Introduction to stair framing theory, terminology, and construction techniques. Students will interpret floor plans and drawing elevations for job planning, and to layout and detail stair stringers. Methods for calculating the number of stairs, landing height, stair threads, and riser dimensions will be presented and practiced. Instruction will include measuring skills, mathematical principles, stair and handrail fabrication, assembly and installation. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31255	CRP-422B	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	J Huggins	01/03 - 01/06/23
		Lab			TWThF	12:45PM-05:00PM	RSWC-CLAS		01/03 - 01/06/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

31259	CRP-422B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	01/16 - 01/19/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/16 - 01/19/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-426B		Wall Forming							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Skills and procedures for forming reinforced concrete walls using single and double waler systems. Students will identify the characteristics and application of built-in-place, per-fabricated, and specialty forms. Practical exercises will prepare students for locating wall forming information on project plans, calculating layout dimensions, and for estimating material requirements. Basic wall panel forming and reinforcement methods, material preparation, and hardware installation are included in training. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31264	CRP-426B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	02/06 - 02/09/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		02/06 - 02/09/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-427D		Stairs and Ramp Forming							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Provides related and supplemental instruction for apprentice carpenters in the areas of the various techniques to form stairs and ramp structures; related safety, mathematics, and blueprint reading. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

31257	CRP-427D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	01/09 - 01/12/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/09 - 01/12/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

31263	CRP-427D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	01/23 - 01/26/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/23 - 01/26/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
CRP-471A		Orientation-Power Tools Safety							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Overview of the construction industry, safety overview, with a focus on tool identification and use. Upon successful completion, students will receive OSHA 10 Hour and Powder Actuated Tool Certifications. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31258	CRP-471A	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	C Espinoza	01/16 - 01/19/23
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		01/16 - 01/19/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-486A		Exterior Insulation Finish Systems (EIFS)							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: An introduction to exterior insulation finish systems including terminology, definitions, specifications, and properties. It will deal with reinforcing mesh installation and the application of insulation board. Application methods and techniques for primers and finishes will be presented. Students will use the skills presented to complete an EIFS installation project as part of this course. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31256	CRP-486A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	01/09 - 01/12/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/09 - 01/12/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-489		Freeform Lathing							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: A comprehensive study of the theory and techniques used for the development of freeform lathing projects. Enables students to interpret gridline drawings; layout and build lath cage work and apply the appropriate lath(s) to achieve the desired or designed form or structure. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31262	CRP-489	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	01/23 - 01/26/23
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		01/23 - 01/26/23

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

## CHEMISTRY

CHE-2A		Introductory Chemistry, I							
Prerequisite: MAT-52 Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31008	CHE-2A	Lecture		4	MTTh	08:00AM-11:10AM	IT-101	B Ghosh	01/03 - 02/09/23
		Lab			MTTh	11:30AM-02:40PM	HUM-208		01/03 - 02/09/23
31009	CHE-2A	Lecture		4	MTTh	11:30AM-02:40PM	IT-101	Z Zhu	01/03 - 02/09/23
		Lab			MTTh	03:00PM-06:10PM	HUM-208		01/03 - 02/09/23
31183	CHE-2A	Lecture		4	MTTh	03:00PM-06:10PM	IT-101	S Sati	01/03 - 02/09/23
		Lab			MTTh	06:30PM-09:40PM	HUM-208		01/03 - 02/09/23

## COMMUNICATION STUDIES

COM-1		Public Speaking							
Prerequisite: None Advisory: COM-51 and qualification for ENG-1A Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. Students may not receive credit for COM 1 and COM 1H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31014	COM-1	Lecture		3			ON-LINE	K Klager	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31015	COM-1	Lecture		3			ON-LINE	B Rihan	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31016	COM-1	Lecture		3			ON-LINE	E Arvilla	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31017	COM-1	Lecture		3			ON-LINE	B Rihan	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31018	COM-1	Lecture	ZTC	3			ON-LINE	N Aceves	01/03 - 02/09/23
The above section is designed with special emphasis on African American culture. See the Umoja counselor ( <a href="mailto:sean.davis@norccollege.edu">sean.davis@norccollege.edu</a> ) prior to enrolling. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31019	COM-1	Lecture	ZTC	3			ON-LINE	N Aceves	01/03 - 02/09/23
The above section is centered on the Men of Color experience and is intended for students in the Men of Color Scholars Program. See the Men of Color Scholar counselor ( <a href="mailto:daniel.grajeda@rccd.edu">daniel.grajeda@rccd.edu</a> ) prior to enrolling. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31134	COM-1	Lecture	ZTC	3	MW	08:00AM-10:10AM	IT-210 ON-LINE	K Rigby	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
31135	COM-1	Lecture		3	TTh	10:35AM-12:45PM	IT-210 ON-LINE	E Arvilla	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

COM-9		Interpersonal Communication							
Prerequisite: None Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31021	COM-9	Lecture		3			ON-LINE	A Olaerts	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31022	COM-9	Lecture		3			ON-LINE	A Olaerts	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31023	COM-9	Lecture		3			ON-LINE	A Olaerts	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31024	COM-9	Lecture		3	MW	10:35AM-12:45PM	IT-210 ON-LINE	K Rigby	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
31025	COM-9	Lecture		3	TTh	01:00PM-03:10PM	IT-210 ON-LINE	E Arvilla	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
31133	COM-9	Lecture		3			ON-LINE	J Vierra	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									

COM-12 Intercultural Communication									
Prerequisite: None Advisory: COM-51 and qualification for ENG-1A Description: Introduction to the factors affecting intercultural communication focusing on culture, language, and social patterns and their influence on how members of groups relate among themselves and with members of different ethnic and cultural groups. Theory and knowledge of effective communication within and between cultures and appreciation and comparison of communication among diverse groups within the larger context of American culture are explored with an emphasis on self-evaluation and skill development. 54 hours lecture. (Letter Grade or Pass/No Pass option)									
31020	COM-12	Lecture		3			ON-LINE	B Rihan	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									

## COMPUTER INFORMATION SYSTEMS

CIS-1A Introduction to Computer Informational Systems									
Prerequisite: None. Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.									
31011	CIS-1A	Lecture		3	TTh	08:00AM-10:50AM	ATEC-118 ON-LINE	D Koch J Coverdale	01/03 - 02/09/23 01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
31151	CIS-1A	Lecture		3			ON-LINE	J Perry	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
31152	CIS-1A	Lecture		3			ON-LINE	J Coverdale	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									

CIS-5 Programming Concepts and Methodology : C++									
Prerequisite: None Advisory: CIS-1A Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory. (Same as CSC-5) (Letter grade)									
31154	CIS-5	Lecture	ZTC	4			ON-LINE	J Perry	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 54-hour laboratory requirement, are completed online.									

CIS-17A Programming Concepts and Methodology : C++									
Prerequisite: CIS/CSC-5 Description: The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)(Same as CSC-17A) (Letter grade only)									
31150	CIS-17A	Lecture		3			ON-LINE	J Ruiz	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
31252	CIS-17A	Lecture		3			ON-LINE	J Ruiz	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									

CIS-78A Introduction to Adobe Photoshop									
Prerequisite: None Description: Introduction to Adobe Photoshop including mastery of digital image editing, selections, photo correction, image improvement, and vector drawing. Additional instruction in these skills: type manipulation, special effects, color correction, and web page illustrations. 54 hours lecture and 18 hours laboratory. (TBA option). (Letter Grade only) (Same as CAT-78A)									
31184	CIS-78A	Lecture		3			ON-LINE	J Clendenning	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									

## DRAFTING

DFT-30 Computer Aided Drafting (CAD)									
Prerequisite: None Advisory: CIS-1A Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawings, which are typical to the various fields of drafting. 27 hours lecture and 81 hours laboratory. Same as ENE-30. (Letter Grade, or Pass/No Pass option)									
31026	DFT-30	Lecture		3			ON-LINE	F Mirzaei	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
DFT-42 Solidworks I									
Prerequisite: None Advisory: PC computer experience recommended Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory. (Same as ENE-42)									
31212	DFT-42	Lecture		3			ON-LINE	F Mirzaei	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
DFT-51		Print Reading							
Prerequisite: None Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory.(Letter Grade, or Pass/No Pass option.) (same As Ene-51)									
31217	DFT-51	Lecture		2			ON-LINE	M Dowlatabadi	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## EARLY CHILDHOOD EDUCATION

EAR-20		Child Growth and Development							
Prerequisite: None Description: This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. Emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences, and analyze characteristics of development at various stages, and the importance of play. Child observations required. 54 hours lecture. (Letter grade only)									
31029	EAR-20	Lecture		3			ON-LINE	S Sumiati	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

EAR-26		Health, Safety and Nutrition							
Prerequisite: None. Description: An introduction to the laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Covering the mental health, and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Includes the teacher and classroom staff's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. 54 hours lecture. (Letter grade only)									
31195	EAR-26	Lecture		3			ON-LINE	L Vazquez	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

EAR-28		Principles and Practices of Teaching Young Children							
Prerequisite: None Description: Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight, emphasizing the key role of relationships, and constructive adult-child interactions. Explores the professional identity, typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, promoting advocacy, professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children, including how play contributes to children's learning, growth, and development. 54 hours lecture. (Letter grade only)									
31031	EAR-28	Lecture		3			ON-LINE	R Carreon-Bailey	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

EAR-41		Practicum in Early Intervention/Special Education							
Prerequisite: EAR-20 and EAR-24 and EAR-28 and EAR-42 Advisory: EAR-40 or EAR-46 Description: Provides hands-on experience working with infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained special day and fully-included early childhood classrooms. Reflective practice is emphasized as student teachers design, implement, and evaluate approaches, strategies and techniques that promote development and learning. 36 hours lecture and 108 hours laboratory. (TBA option) (Letter Grade)									
31196	EAR-41	Lecture		4	TTh	02:30PM-03:45PM	IT-209	M Adams	01/03 - 02/09/23
		Lab			MTWTh	08:30AM-12:55PM	HSSP-CLASS		01/03 - 02/09/23

Practicum in Early Intervention/Special Education The above section is a hybrid class that has 108 lab hours that must be completed and a face to face class session that meets twice a week TTh. Lec hours TTh 2:30-3:45PM IT-209 from 1/3/2023 to 2/9/2023. The first day of the practicum begins at Norco College in IT 209. Lab hours MTWTh 08:30AM-012:55PM will be completed at 555 Maple Street Head Start (HSSP) in Ontario from 01/4 - 02/9/23 Students currently working with early childhood aged children (0-5) with disabilities should contact Ms. Adams to determine if Lab hours can be conducted at their work site. Pursuant to California Law SB792 all students enrolled in this class must have proof of current immunization against measles, pertussis (TDap), and tuberculosis (TB), and proof of 2 shots of COVID 19 . By the first-class meeting students must have a completed Child Development Course Clearance Checklist showing immunization clearance. Copies of the clearance form can be obtained at the health clinic on campus or emailing [maria.adams@norcocollege.edu](mailto:maria.adams@norcocollege.edu) . Take this blank form with your evidence of immunization to the Norco Health Center for clearance and bring a copy on the first day of the practicum. Prior to attending lab hours, students need to complete the San Bernardino County Intern Application. Background fingerprint checks must also be completed prior to the first day of the practicum for participation at this Head Start site. Contact Ms. Adams directly for access to required documents.

EAR-44		Administration I: Programs in Early Childhood Education							
Prerequisite: EAR-20 and EAR-24 and EAR-28 and EAR-42 Description: Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. 54 hours lecture. (Letter Grade only.)									
31222	EAR-44	Lecture		3			ON-LINE	T Oliver	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## ECONOMICS

ECO-7		Principles of Macroeconomics							
Prerequisite: MAT-52. Advisory: Intermediate Algebra or qualifying placement level. Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregate economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture. (Letter grade)									
31033	ECO-7	Lecture	ZTC	3			ON-LINE	T Cummings	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## ENGINEERING

ENE-30		Computer Aided Drafting (CAD)							
Prerequisite: None Advisory: CIS-1A Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawings, which are typical to the various fields of drafting. 27 hours lecture and 81 hours laboratory.Same as DFT-30. (Letter Grade, or Pass/No Pass option)									
31197	ENE-30	Lecture		3			ON-LINE	F Mirzaei	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

ENE-42		SolidWorks I							
Prerequisite: None Advisory: PC computer experience recommended Description: Introduces the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 81 hours laboratory. Same as DFT-42. (Letter grade or Pass/No Pass option)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31214	ENE-42	Lecture		3			ON-LINE	F Mirzaei	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

#### ENE-51 Print Reading

Prerequisite: None Advisory: ENE-21 or MAT-36 Description: A beginning course in the study of blueprints and their interpretation, types of projections, sections, symbols and abbreviations. This course is designed for students interested in engineering blueprint reading for the basic mechanical, electrical and machine trades. 27 hours lecture and 27 hours laboratory. Same as DFT-51. (Letter Grade, or Pass/No Pass option.)

31218	ENE-51	Lecture		2			ON-LINE	M Dowlatabadi	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## ENGLISH

#### ENG-1A English Composition

Prerequisite: ESL-50 or ENG-50 or ENG-80 or qualifying placement Description: Emphasizes skills in critical reading, and writing, including research. Integrated reading and writing assignments respond to various rhetorical situations. Students will produce a minimum of 7500 words of assessed writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade)

31038	ENG-1A	Lecture		4	TTh	04:15PM-06:20PM	IT-108	J Reed	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See <http://www.rccd.edu/de>.

31039	ENG-1A	Lecture	LTC	4	MW	02:00PM-04:05PM	IT-108	M Pelle	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See <http://www.rccd.edu/de>.

31041	ENG-1A	Lecture	LTC	4	MW	10:30AM-12:35PM	IT-108	S Hicks	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See <http://www.rccd.edu/de>.

31157	ENG-1A	Lecture		4			ON-LINE	C Young	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31159	ENG-1A	Lecture	LTC	4			ON-LINE	M Bader	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31161	ENG-1A	Lecture		4			ON-LINE	S Hanson	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31162	ENG-1A	Lecture		4			ON-LINE	T Comstock	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31166	ENG-1A	Lecture	ZTC	4			ON-LINE	N Capps	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

#### ENG-1B Critical Thinking and Writing

Prerequisite: ENG-1A or ENG-1AH Description: Students will critically read diverse literary texts in order to compose inquiry-driven writing. Students will write a minimum of 7500 words of assessed writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option) (Letter grade)

31045	ENG-1B	Lecture	ZTC	4			ON-LINE	L Nelson	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See <http://www.rccd.edu/de>.

31046	ENG-1B	Lecture	ZTC	4			ON-LINE	L Nelson	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See <http://www.rccd.edu/de>.

31047	ENG-1B	Lecture	LTC	4			ON-LINE	K Johnson-Jimenez	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See <http://www.rccd.edu/de>.

31048	ENG-1B	Lecture	ZTC	4			ON-LINE	S Camacho	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See <http://www.rccd.edu/de>.

31172	ENG-1B	Lecture	ZTC	4	MW	09:40AM-11:45AM	IT-110	D Mattson	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See <http://www.rccd.edu/de>.

## ENGLISH AS A SECOND LANGUAGE

#### ESL-73 High Intermediate Reading and Vocabulary

Prerequisite: None Advisory: ESL-72 or ESL-48 or ESL-848. Description: Emphasizes the acquisition of higher level reading skills needed for college level courses, expansion of receptive and productive vocabulary, further development of library skills, and comprehension of both adapted and authentic reading selections of varying lengths. 72 hours lecture and 18 hours laboratory. (Degree credit course. Letter grade, or Pass/No Pass option.)



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31202	ESL-73	Lecture Lab		4			ON-LINE ON-LINE	M Shirinian	01/03 - 02/09/23 01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## ENTREPRENEURSHIP

ENP-50 Introduction to Entrepreneurship

Prerequisite: None Description: Designed for those interested in starting their own business, either as their primary income or extra income, including individual contributor businesses such as freelancers, contractors, consultants, and others in the gig economy. The curriculum is centered on three key aspects of entrepreneurship: 1) the individual, their traits, skills, and attributes that make entrepreneurs successful, 2) the business ideas, how to generate them, where to look for them, how to expand them, and 3) how to ensure they are valid business ideas with potential to meet profit goals. These elements, developed in the course, will assist any current or potential entrepreneur develop and grow a business now or in the future. 54 hours lecture. (Letter grade only)

31223	ENP-50	Lecture	ZTC	3			ON-LINE	A Martin	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## ETHNIC STUDIES

ETS-1 Introduction to Ethnic Studies

Prerequisite: None. Description: An introduction to the academic discipline of Ethnic Studies. Ethnic Studies is unique as an educational experience that defines and redefines the lives of people of color from their own perspectives. This course is an intersectional investigation that focuses on the histories, cultures and experiences of African Americans, Latinx peoples, Asian American and Pacific Islander, Indigenous peoples of America, and Middle Eastern and Arab American. Additionally, this course shall explore the work of key theorists of race, ethnicity, de-colonization and futurity whose work and ideas have formed the basis of the discipline. This course is in dialogue with the creative historical work of social movements, cultural and artistic productions, legal and public policy activisms, indigenous and liberationist epistemologies, community and identity formation, and radical social and political thought. This course emphasizes ideologies of resistance, persistence, liberation struggle, and radical knowledge production that both confront and transform oppressive conditions and create new possibilities for social change. (Letter grade only)

31205	ETS-1	Lecture		3			ON-LINE	N Quinones	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31206	ETS-1	Lecture		3			ON-LINE	N Quinones	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## GAME DEVELOPMENT

GAM-1 Business of Video Games

Prerequisite: None Description: An introduction to the field of game development. Students will explore the job market, career paths and business aspects of game development professionals. 54 hours lecture.

31177	GAM-1	Lecture		3			ON-LINE	J Finley	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

GAM-2 History of Video Games (formerly Gam-21)

Prerequisite: None Description: A comprehensive study of the evolution of video games, including their technological and artistic antecedents, with analysis of how video games reflect the beliefs, aspirations and values of the cultures where they flourish. Study includes gameplay experience and analysis of notable game genres, identifying significant artistic and technological innovations. 54 hours lecture. (Letter grade)

31178	GAM-2	Lecture		3			ON-LINE	J Finley	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31250	GAM-2	Lecture		3			ON-LINE	J Finley	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

GAM-3A Game Design

Prerequisite: None Description: An introduction to the fundamental techniques, concepts, vocabulary, and practical application of these skills towards the discipline of game design. 54 hours lecture.

31179	GAM-3A	Lecture		3			ON-LINE	D Capps	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

GAM-4A Game Scripting

Prerequisite: None Description: A first course in programming for games stressing fundamental programming principles. Covers the logic structures and design paradigms that allow for fundamental interactions in digital games. 54 hours lecture.

31181	GAM-4A	Lecture		3			ON-LINE	D Capps	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## GEOGRAPHY

GEG-1 Physical Geography

Prerequisite: None Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture. (Letter Grade)

31054	GEG-1	Lecture		3			ON-LINE	E Ogbuchiekwe	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31055	GEG-1	Lecture		3	MTTh	03:00PM-06:10PM	ATEC-205	E Ogbuchiekwe	01/03 - 02/09/23
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GEG-1L Physical Geography Laboratory

Prerequisite: None Corequisite: GEG-1DE or GEG-1H Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

31056	GEG-1L	Lab		1			ON-LINE	E Peprah	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31187	GEG-1L	Lab		1			ON-LINE	E Peprah	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
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## GUIDANCE

### GUI-47 Career Exploration and Life Planning

Prerequisite: None Description: In depth career and life planning: Topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

31058	GUI-47	Lecture	ZTC	3	MTWTh	10:25AM-12:40PM	ATEC-210	M Jurado-Martinez	01/03 - 02/09/23
31059	GUI-47	Lecture	ZTC	3			ON-LINE	A Moreno	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31060	GUI-47	Lecture	LTC	3			ON-LINE	J Moore	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31131	GUI-47	Lecture	ZTC	3			ON-LINE	A Davis	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GUI-48 College Success Strat

Prerequisite: None Description: This comprehensive course integrates personal growth and values, academic study strategies and critical thinking techniques. Students will obtain skills and personal/interpersonal awareness necessary to succeed in college. 54 hours lecture. (Letter grade only)

31061	GUI-48	Lecture	LTC	3			ON-LINE	R Chacon	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## HEALTH SCIENCE

### HES-1 Health Science

Prerequisite: None Description: A general education course that offers a basic study of human health and health care as revealed in the anatomy and physiology of the body, nutrition, exercise, stress management, weight management, protection from degenerative and communicable diseases, personal safety, environmental health, wellness, and professional medical care. Students will explore making responsible decisions regarding all aspects of a healthy lifestyle including getting fit, disease prevention and treatments, use and abuse of substances, human sexuality, and selection of health providers. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. 54 hours lecture. (Letter grade only) (Same as BIO-35)

31062	HES-1	Lecture		3			ON-LINE	S Witmer	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31063	HES-1	Lecture		3			ON-LINE	S Witmer	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31064	HES-1	Lecture		3			ON-LINE	T Wallstrom	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## HISTORY

### HIS-6 United States History to 1877

Prerequisite: None Advisory: REA-83 or ENG-50 or ENG-80 or qualification for ENG 1A. Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture. (Letter grade)

31065	HIS-6	Lecture		3			ON-LINE	H Vion	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31066	HIS-6	Lecture		3			ON-LINE	H Vion	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31219	HIS-6	Lecture		3			ON-LINE	B Baca	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### HIS-7 United States History From 1865

Prerequisite: None Advisory: ENG-83 or ENG-50 or ENG-80 or qualification for ENG-1A Description: Political, social and economic development of the United States from 1865 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

31068	HIS-7	Lecture		3			ON-LINE	C Delgado	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31069	HIS-7	Lecture		3			ON-LINE	D Reina	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31070	HIS-7	Lecture		3			ON-LINE	D Reina	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31071	HIS-7	Lecture		3			ON-LINE	D Reina	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31186	HIS-7	Lecture		3	TTh	01:30PM-03:35PM	HUM-103	H Vion	01/03 - 02/09/23
							ON-LINE		01/03 - 02/09/23

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## HUMANITIES

### HUM-4 Arts and Ideas: Ancient World Through the Late Medieval Period

Prerequisite: None Advisory: REA-83 and qualification for ENG-1A Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

31232	HUM-4	Lecture		3			ON-LINE	A Silva	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
HUM-5		Arts and Ideas: Renaissance through the Modern Era							
Prerequisite: None Advisory: REA-83 and qualification for English 1A Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to contemporary thought Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.									
31074	HUM-5	Lecture		3			ON-LINE	G DeAngelis	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
HUM-10		World Religions							
Prerequisite: None Description: An introduction to the methods of the academic study of religion and analysis of the category of "religion." Provides a nonsectarian survey and analysis of the concepts, practices, and historical and cultural influences of major world religious traditions, which may include indigenous religions, such as Native American, African, Afro-Caribbean, and Oceanic religions; Asian-origin religions, such as Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, and Shinto; Middle Eastern-origin religions, such as Judaism, Christianity, Islam, and Zoroastrianism; and New Religious Movements, such as atheism, Scientology, Neopaganism, and New Age. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture. (Letter grade only)									
31073	HUM-10	Lecture		3			ON-LINE	G DeAngelis	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
<b>KINESIOLOGY</b>									
KIN-4		Nutrition							
Prerequisite: None Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.(Letter grade only)									
31078	KIN-4	Lecture		3			ON-LINE	T Wallstrom	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
KIN-10		Introduction to Kinesiology							
Prerequisite: None Description: An introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in Kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions. 54 hours lecture.									
31076	KIN-10	Lecture		3			ON-LINE	R Aguilar	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
KIN-30		First Aid and CPR							
Prerequisite: None. Description: Theory and detailed demonstration of first aid care of the injured by the citizen responder. Students will learn how to assess a victim's condition and incorporate proper treatment. Students who successfully pass all National Safety Council requirements will receive a National Safety Council Advanced First Aid certificate. Students who successfully pass all American Heart Association requirements will receive a Healthcare Professional CPR certificate. 54 hours lecture. A fee of \$25.00 for required certificates will be charged to the student and is not covered by CCPG. (Letter grade only)									
31077	KIN-30	Lecture		3	TTh	08:00AM-10:10AM	WEQ-W3 ON-LINE	S Witmer	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de.									
KIN-A40		Karate, Beginning							
Prerequisite: None Description: Beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, punching, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. 54 hours laboratory.(Letter Grade or Pass/No Pass option.)									
31080	KIN-A40	Lab		1	MTWTh	01:00PM-03:10PM	REG-MEET	D Namekata	01/03 - 02/09/23
This is a HYFLEX section, students will attend class remotely at the listed times along with students who are attending on campus.									
31156	KIN-A40	Lab		1	MTWTh	01:00PM-03:10PM	WEQ-W2	D Namekata	01/03 - 02/09/23
KIN-A41		Karate, Intermediate							
Prerequisite: None Advisory: KIN-A40 Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31081	KIN-A41	Lab		1	MTWTh	01:00PM-03:10PM	REG-MEET	D Namekata	01/03 - 02/09/23
This is a HYFLEX section, students will attend class remotely at the listed times along with students who are attending on campus.									
31158	KIN-A41	Lab		1	MTWTh	01:00PM-03:10PM	WEQ-W2	D Namekata	01/03 - 02/09/23
KIN-A46		Hatha Yoga, Beginning							
Prerequisite: None. Description: Beginning Hatha yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31082	KIN-A46	Lab		1			ON-LINE	L Zank	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
KIN-A47		Hatha Yoga, Intermediate							
Prerequisite: None Advisory: KIN-A46 Description: Intermediate Hatha yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31083	KIN-A47	Lab		1			ON-LINE	L Zank	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
KIN-A64A		Soccer, Beginning							
Prerequisite: None. Description: An introduction to the fundamental skills and lifetime fitness potential of soccer. Emphasis is placed on learning the basic skills, techniques and rules. Individual strategies for competition will be introduced. 54 hours laboratory. (Letter grade only)									
31173	KIN-A64A	Lab		1	MTWTh	08:00AM-10:10AM	SOCR-1	D Rea	01/03 - 02/09/23
KIN-A64B		Soccer, Intermediate							
Prerequisite: KIN-A64A Description: Team offensive and defensive soccer strategies will be introduced along with individual soccer skills practiced and increased. Emphasis is placed on spatial awareness and body control necessary for practice and competition along with individual offensive and defensive soccer strategies. KIN-A64A, A64B, and A64C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter grade only)									
31174	KIN-A64B	Lab		1	MTWTh	08:00AM-10:10AM	SOCR-1	D Rea	01/03 - 02/09/23

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
KIN-A64C		Soccer, Advanced							
Prerequisite: KIN-A64B. Description: Offensive and defensive team strategies will be developed along with an increase in individual soccer skills. Emphasis is placed on team strategies, lifetime fitness and perfecting skill techniques. KIN-A64A, A64B, and A64C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter grade only)									
31175	KIN-A64C	Lab		1	MTWTh	08:00AM-10:10AM	SOCR-1	D Rea	01/03 - 02/09/23

## LIBRARY

LIB-1		Introduction to Information Literacy							
Prerequisite: None Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information online and in print; and to answer research questions and develop new ones. Students will develop an understanding of access to and ethical use of information through the use of retrieval systems. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31085	LIB-1	Lecture	ZTC	1			ON-LINE	M Castro	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## MANAGEMENT

MAG-47		Applied Business and Management Ethics							
Prerequisite: None. Description: An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Same as BUS-47) (Letter Grade, or Pass/No Pass option)									
31086	MAG-47	Lecture		3			ON-LINE	D White	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
MAG-53		Human Relations							
Prerequisite: None. Description: A practical application of basic psychology in building better employer-employee relationships. Examines effective human relation techniques. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31087	MAG-53	Lecture		3			ON-LINE	E Davalos	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## MANUFACTURING TECHNOLOGY

MAN-55		Occupational Safety and Health Administration (OSHA) Standards for General Industry							
Prerequisite: None Description: Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 hour general industry or construction industry training completion card. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31088	MAN-55	Lecture		1			ON-LINE	K Mosley	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
MAN-64		Programmable Logic Controllers							
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. Same as ELE-64. (Letter Grade, or Pass/No Pass option)									
31216	MAN-64	Lecture		3	MTWTh	05:30PM-06:50PM	CACT-2	P Van Hulle	01/03 - 02/09/23
		Lab			MTWTh	07:00PM-09:10PM	CACT-2		01/03 - 02/09/23

## MARKETING

MKT-40		Advertising							
Prerequisite: None Description: Economic, professional, persuasive and technical aspects of advertising, publicity and propaganda, and their relation to sociology and psychology. Campaign organization, research and media of communication. Analysis and discussion of situation problems, mass motivation, consumer action and legal restraints. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31098	MKT-40	Lecture		3			ON-LINE	A Smith	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## MATHEMATICS

MAT-1A		Calculus I							
Prerequisite: MAT-10 or MAT-23 or MAT-9 and MAT-36 or qualifying placement Description: Functions, limits, continuity, techniques and applications of differentiation, the Fundamental Theorem of Calculus, and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)									
31091	MAT-1A	Lecture		4	TWTh	08:00AM-11:50AM	ATEC-204	A Walid	01/03 - 02/09/23
		Lab			TWTh	12:00PM-12:50PM	ATEC-204		01/03 - 02/09/23
MAT-1B		Calculus II							
Prerequisite: MAT-1A Description: Techniques of integration, applications of integration, improper integrals, parametric equations, polar coordinates, infinite sequences and series. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
31093	MAT-1B	Lecture		4	TWTh	08:00AM-11:50AM	LIBR-108	J Tousignant	01/03 - 02/09/23
		Lab			TWTh	12:00PM-12:50PM	LIBR-108		01/03 - 02/09/23
MAT-2		Differential Equations							
Prerequisite: MAT-1B Description: This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31149	MAT-2	Lecture		4	MTWTh	09:00AM-12:05PM	ATEC-211	S Borissova	01/03 - 02/09/23
MAT-5		Calculus for Business and Life Science							
Prerequisite: MAT-9 or Intermediate Algebra or qualifying placement. Description: A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: Functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade or Pass/No Pass option.)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31097	MAT-5	Lecture		4			ON-LINE	J Mulari	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-9 Bstem College Algebra</b>									
Prerequisite: Intermediate Algebra or Qualifying Placement. Description: College-level algebra for those majoring in business, science, technology, engineering, and mathematics: polynomial, rational, radical, absolute value, exponential, and logarithmic functions and their graphs; systems of equations; theory of polynomial equations; analytic geometry; sequences and series. Students cannot receive credit for MAT-9 if they have already received credit for MAT-10 or MAT-23. 90 hours lecture. (Letter Grade or Pass/No Pass option)									
31139	MAT-9	Lecture		5			ON-LINE	E Chung	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31236	MAT-9	Lecture		5	TTh	09:00AM-11:50AM	WEQ-W6A ON-LINE	E Chung	01/03 - 02/09/23 01/03 - 02/09/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-10 Precalculus</b>									
Prerequisite: MAT-36 or qualifying placement level Description: Preparation for calculus: Polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences, and series. Students cannot receive credit for MAT-10 if they have already received credit for MAT-9 or MAT-23. 90 hours lecture. (Letter Grade or Pass/No Pass option)									
31089	MAT-10	Lecture		5	MTWTh	01:00PM-04:50PM	ATEC-210	E Hwang	01/03 - 02/09/23
<b>MAT-11 College Algebra</b>									
Prerequisite: Intermediate Algebra or qualifying placement level. Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)									
31090	MAT-11	Lecture		4			ON-LINE	B Johnson	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-12 Statistics</b>									
Prerequisite: Intermediate Algebra or Qualifying Placement. Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)									
31142	MAT-12	Lecture		4			ON-LINE	J DeGuzman	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31143	MAT-12	Lecture		4			ON-LINE	J DeGuzman	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31144	MAT-12	Lecture		4			ON-LINE	B Johnson	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31145	MAT-12	Lecture		4			ON-LINE	C Hutchings	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31238	MAT-12	Lecture		4	MW	09:00AM-11:50AM	WEQ-W4 ON-LINE	K Baccari	01/04 - 02/08/23 01/04 - 02/08/23
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-36 Trigonometry</b>									
Prerequisite: MAT-35 or qualifying placement. Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the law of sines and cosines; polar coordinates; complex numbers; introduction to vectors and elements of geometry important to the foundation of trigonometry. 72 hours lecture. (Letter Grade or Pass/No Pass option)									
31096	MAT-36	Lecture		4			ON-LINE	B Lopez Segoviano	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-109 Corequisite Support for MAT-9</b>									
Prerequisite: None Corequisite: MAT-9 Description: A concurrent corequisite course containing arithmetic and basic algebra concepts designed to support students in BSTEM College Algebra. Topics include a review of skills developed in arithmetic and algebra: operations on real numbers, simplifying algebraic expressions, factoring, graphing linear functions, operations on rational and radical expressions, linear and quadratic expressions and equations. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT-9 as they arise. A diverse approach to problem-solving processes and enhancement of study strategies will prepare the student for later university courses. 18 hours lecture. (Pass/No Pass only)									
31235	MAT-109	Lecture		1	W	09:00AM-11:50AM	WEQ-W6A	J Mulari	01/04 - 02/08/23
<b>MAT-112 Corequisite Support for Math 12</b>									
Prerequisite: Qualifying Placement Corequisite: MAT-12 Description: A concurrent corequisite course containing arithmetic and algebraic concepts designed to support students in Statistics. Topics include a review of skills developed in algebra: order of operations, scientific notation, conversion between fractions, decimals, and percents, solving linear equations, and using the symbols, notation, and vocabulary of algebra. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT-12 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass)									
31239	MAT-112	Lecture		2	TTh	09:00AM-11:50AM	WEQ-W4	K Baccari	01/03 - 02/09/23
<b>MUSIC</b>									
<b>MUS-19 Music Appreciation</b>									
Prerequisite: None Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture. (Letter grade)									
31099	MUS-19	Lecture		3			ON-LINE	K Kamerin	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
31100	MUS-19	Lecture		3			ON-LINE	K Kamerin	01/03 - 02/09/23
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MUS-23 History of Rock and Roll</b>									
Prerequisite: None Description: A comprehensive study of rock and roll music from its origins to the present with an emphasis on the historical, musical, and sociological influences. Includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture. (Letter grade only)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31101	MUS-23	Lecture		3			ON-LINE	K Kamerin	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

#### MUS-87 Applied Music Training

Prerequisite: None Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory.

31248	MUS-87	Lab		1				K Kamerin	01/03 - 02/09/23
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The above section is an online class and has a 54-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. 3 hours of lessons and 2 hours of required performance times are to be arranged with your instructor. In addition, students are required to log 6.5 hours of practice each week and complete several concert performance reports. There is a mandatory meeting on Tuesday, January 3rd at 1:00 pm in THTR 101. For additional information on audition and registration for the course, please contact Kim Kamerin: [Kim.Kamerin@nccollege.edu](mailto:Kim.Kamerin@nccollege.edu) or 951-268-0446.

## PHILOSOPHY

#### PHI-10 Introduction to Philosophy

Prerequisite: None Advisory: ENG-50 or ENG-80 Description: A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

31102	PHI-10	Lecture		3			ON-LINE	J Sentmanat	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

#### PHI-11 Critical Thinking

Prerequisite: None Advisory: REA-82 Description: Presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. Focus on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.

31234	PHI-11	Lecture		3			ON-LINE	J Gill	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## PHYSICS

#### PHY-10 Introduction to General Physics

Prerequisite: None. Description: A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture. (Letter grade only)

31230	PHY-10	Lecture	ZTC	3			ON-LINE	L Owens	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## POLITICAL SCIENCE

#### POL-1 American Politics

Prerequisite: None. Description: An introduction to the principles, structures, processes, and culture that inform American politics. Specific focus is placed on the development of the Constitution, the government it engenders, the development of the American polity, the formation of policy, and the connections between the national government and California's government. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture. (Letter grade only)

31104	POL-1	Lecture		3			ON-LINE	E Walker	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31105	POL-1	Lecture		3			ON-LINE	E Walker	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31106	POL-1	Lecture		3			ON-LINE	P Flor	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31107	POL-1	Lecture		3			ON-LINE	P Flor	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31126	POL-1	Lecture		3	MW	10:35AM-12:40PM	IT-122 ON-LINE	R Brown	01/03 - 02/09/23 01/03 - 02/09/23
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The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

31127	POL-1	Lecture		3	TTh	10:35AM-12:40PM	IT-122 ON-LINE	R Brown	01/03 - 02/09/23 01/03 - 02/09/23
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The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## PSYCHOLOGY

#### PSY-1 General Psychology

Prerequisite: None. Description: Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. 54 hours lecture. Letter grade

31108	PSY-1	Lecture	ZTC	3			ON-LINE	L Adams	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31109	PSY-1	Lecture	ZTC	3			ON-LINE	L Adams	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31110	PSY-1	Lecture	ZTC	3			ON-LINE	L Adams	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

#### PSY-2 Biological Psychology

Prerequisite: PSY-1 Description: The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

31111	PSY-2	Lecture		3			ON-LINE	R Sulman	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31112	PSY-2	Lecture		3			ON-LINE	B Adams	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

PSY-8	Social Psychology								
Prerequisite: None. Description: An introduction to the study of individual human behavior in relation to the social environment. It includes emphasized topics such as aggression, prejudice, interpersonal attraction, attitude change, gender roles, and social cognition. 54 hours lecture.									
31113	PSY-8	Lecture		3			ON-LINE	T Caddell	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

PSY-9	Developmental Psychology								
Prerequisite: None. Description: Examines the prevailing theories and research of developmental psychology and the stages of human development from conception to death. 54 Lecture hours, Letter grade.									
31115	PSY-9	Lecture		3			ON-LINE	K Zamiska	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31116	PSY-9	Lecture		3			ON-LINE	K Zamiska	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

PSY-35	Abnormal Psychology								
Prerequisite: None. Description: Survey of historical and contemporary approaches to diagnosing, understanding, and treating major forms of psychological disorder, including: anxieties, fears, obsessions, psychoses, sexual and personality disorders, disorders of childhood and adolescence. 54 hours lecture. (Letter grade only)									
31128	PSY-35	Lecture		3			ON-LINE	G Curasi	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## REAL ESTATE

RLE-80	Real Estate Principles								
Prerequisite: None. Description: The real estate principles course covers basic laws and principles of California real estate; fundamentals, terminology, concepts, current practices and current market trends in real estate. Assists those preparing for the real estate sales person and broker license examination. 54 hours lecture. Letter grade.									
31117	RLE-80	Lecture		3			ON-LINE	L Namazi	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## SOCIOLOGY

SOC-1	Introduction to Sociology								
Prerequisite: None. Advisory: ENG-50 or ENG-80 or qualifying placement. Description: An introduction to the basic concepts relating to the study of society. Includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture. (Letter grade only)									
31118	SOC-1	Lecture		3			ON-LINE	J Hill	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31204	SOC-1	Lecture		3			ON-LINE	J Hill	01/03 - 02/09/23
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The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SOC-20	Introduction to Criminology								
Prerequisite: None. Description: An introduction to the fundamentals of Criminology; including surveys of the theories of crime, statistical procedures and research methodology, types of crime, criminal etiology, the origins and features of criminal law, the police, courts, and corrections. An analysis of the interrelations between social organization, the perceptions of social harm, and the dynamics of social control. 54 hours lecture. (Letter grade only)									
31221	SOC-20	Lecture		3			ON-LINE	J Hill	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## SPANISH

SPA-1	Spanish 1								
Prerequisite: None. Advisory: Completion of placement test to assess level of proficiency in Spanish. Description: Develops basic skills in listening, reading, speaking and writing. Emphasis on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. Includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)									
31121	SPA-1	Lecture		5			ON-LINE	D Hitchcock	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

31251	SPA-1	Lecture		5			ON-LINE	I Vejar	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SPA-2	Spanish 2								
Prerequisite: SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent. Description: Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)									
31237	SPA-2	Lecture		5			ON-LINE	A Covarrubias	01/03 - 02/09/23
		Lab					ON-LINE		01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

## THEATER ARTS

THE-3	Introduction to the Theater								
Prerequisite: None. Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
31122	THE-3	Lecture		3			ON-LINE	W Stevens	01/03 - 02/09/23

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).



## Non-Credit Classes

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>ELECTRONICS</b>									
ELE-864	Programmable Logic Controllers								
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. (Pass/No Pass or Letter Grade) Same as MAN-864.									
31215	ELE-864	Lecture		0	MTWTh	05:30PM-06:50PM	CACT-2	P Van Hulle	01/03 - 02/09/23
		Lab			MTWTh	07:00PM-09:10PM	CACT-2		01/03 - 02/09/23