SANTA ANA COLLEGE – FALL 2021

ON -CAMPUS, HYBRID and REMOTE BLENDED CLASSES

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

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

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

ACCOUNTING (ACCT)
ACCT 010, ACCOUNTING PROCEDURES 1
ACCT 035, QUICKBOOKS I. 1
ACCT 036, QUICKBOOKS II 1
ACCT 101, FINANCIAL ACCOUNTING 1
ACCT 102, MANAGERIAL ACCOUNTING. 1
ACCT 125, VOLUNTEER INCOME TAX ASSIST. (VITA) I 2
AMERICAN SIGN LANGUAGE (ASL)
ASL 110, AMERICAN SIGN LANGUAGE I 2
ASL 111, AMERICAN SIGN LANGUAGE II. 2
ART (ART)
ART 009, ART LAB. 2
ART 100, INTRODUCTION TO ART CONCEPTS 2
ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES 2
ART 102, SURVEY OF WESTERN ART HISTORY II: RENAISSANCE TO TODAY CENTURY 3
ART 110, TWO-DIMENSIONAL DESIGN 3
ART 111, THREE-DIMENSIONAL DESIGN. 3
ART 130, INTRODUCTION TO DRAWING 3
ART 131, BEGINNING LIFE DRAWING 3
ART 133, INTRODUCTION TO GALLERY PRODUCTION. 3
ART 134, INTERMEDIATE GALLERY PRODUCTION. 4
ART 135, ADVANCED GALLERY PRODUCTION 4
ART 141, BEGINNING PAINTING. 4
ART 151, CERAMICS-INTRODUCTORY LEVEL 4
ART 152, CERAMICS-INTERMEDIATE THROWING. 4
ART 153, CERAMICS-INTERMEDIATE HANDBUILDING. 4
ART 159A, CERAMIC COLOR DECORATION: LOW TEMPERATURE 4
ART 159B, CERAMIC COLOR DECORATION: HIGH TEMPERATURE 5
ART 230, INTERMEDIATE DRAWING 5
ART 231, INTERMEDIATE LIFE DRAWING 5
ART 232, ADVANCED LIFE DRAWING 5
ART 233, ADVANCED DRAWING 5
ART 241, INTERMEDIATE PAINTING 6
ART 242, ADVANCED PAINTING 6
ART 252, CERAMICS-ADVANCED STUDY PROCESS IN CERAMICS WITH NON-TRADITIONAL MEDIA 6
ART 253, ELECTRIC KILN CERAMICS. 6
ASTRONOMY (ASTR)
ASTR 109, INTRODUCTION TO THE SOLAR SYSTEM 6
ASTR 110, INTRODUCTION TO STARS AND GALAXIES 6
AUTOMOTIVE TECHNOLOGY (AUTO)
AUTO 102, INTRODUCTION TO AUTOMOTIVE 6
AUTO 111, ENGINE REPAIR 7
AUTO 112, AUTOMATIC TRANSMISSIONS AND TRANSAXLES. . . 7
AUTO 113, MANUAL DRIVE TRAIN AND AXLES. 7
AUTO 114, SUSPENSION AND STEERING 7
AUTO 115, BRAKES. 7
AUTO 116, ELECTRICAL FUNDAMENTALS 8
AUTO 118, ENGINE PERFORMANCE. 8
AUTO 200, AUTOMOTIVE SERVICE ADVISING 8
AUTO 282, AUTOMOTIVE SENSORS 8
AUTO 283, DIAGNOSTIC TEST EQUIPMENT 8
BANKING (BANK)
BANK 010, TRAINING FOR ENTRY LEVEL BANKERS INSTITUTIONS 8
BIOLOGY (BIOL)
BIOL 111, MARINE BIOLOGY 9
BIOL 212, ANIMAL DIVERSITY AND ECOLOGY 9
BIOL 214, PLANT DIVERSITY AND EVOLUTION 9
BIOL 229, GENERAL MICROBIOLOGY 9
BIOL 239, GENERAL HUMAN ANATOMY 10
BIOL 249, HUMAN PHYSIOLOGY. 11
BUSINESS (BUS)
BUS 100, FUNDAMENTALS OF BUSINESS 11
BUS 101, BUSINESS LAW 12
BUS 105, LEGAL ENVIRONMENT OF BUSINESS 12
BUS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS 12
BUS 115, GLOBAL SHIPPING AND LOGISTICS 12
BUS 116, GLOBAL MARKETING: SELLING AROUND THE WORLD 12
BUS 120, PRINCIPLES OF MANAGEMENT. 13
BUS 125, INTRODUCTION TO INTERNATIONAL BUSINESS 13
BUS 130, PERSONAL FINANCE 13
BUS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS 13
BUS 222, BUSINESS WRITING 13
BUSINESS APPLICATIONS (BA)
BA 110, COMPUTER KEYBOARDING SKILLS. 14
BA 125, MICROSOFT WORD. 14
BA 158, INTRODUCTION TO DRONES 14
BA 159, DRONES FOR MAPPING. 14
BA 161, INTRODUCTION TO DRONE LAWS 15
BA 181, EVERYONE CAN CODE WITH APPLE 15
BA 190, MICROSOFT POWERPOINT 15
CHEMISTRY (CHEM)
CHEM 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS. 15
CHEM 209, INTRODUCTORY CHEMISTRY. 16
CHEM 210, GENERAL, ORGANIC AND BIOCHEMISTRY 16
CHEM 219, GENERAL CHEMISTRY. 16
CHEM 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 17
CHEM 249, ORGANIC CHEMISTRY I 17
CHEM 259, ORGANIC CHEMISTRY II. 17
COMMUNICATION STUDIES (CMST)
CMST 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION. 18
CMST 101H, HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION. 18
CMST 102, PUBLIC SPEAKING 18
CMST 103, INTRODUCTION TO INTERCULTURAL COMMUNICATION. 18
CMST 140, ARGUMENTATION AND DEBATE 19
CMST 145, GROUP DYNAMICS 19
CMST 151, VOICE AND DICTION FOR EFFECTIVE COMMUNICATION. 19

COMMUNICATIONS & MEDIA STUDIES (CMSD)
CMSD 103, INTRODUCTION TO VISUAL COMMUNICATIONS . . .19
CMSD 105, MASS MEDIA AND SOCIETY 19
CMSD 123A, NEWS MEDIA PRODUCTION 19
CMSD 123B, INTERMEDIATE NEWS MEDIA PRODUCTION 19
CMSD 123C, ADVANCED INTERMEDIATE NEWS MEDIA PRODUCTION 20
CMSD 150, INTRODUCTION TO PUBLIC RELATIONS 20
CMSD 201, VISUAL REPORTING 20
CMSD 210, INTERMEDIATE REPORTING AND NEWSWRITING . .20
CMSD 222, WRITING ACROSS MEDIA 20
COMPUTER SCIENCE (CMPR) . . . . . .
CMPR 100, THE COMPUTER AND SOCIETY. 20
CMPR 105, VISUAL BASIC PROGRAMMING 20
CMPR 112, JAVA PROGRAMMING 21
CMPR 113, ADVANCED JAVA 21
CMPR 120, INTRODUCTION TO PROGRAMMING 21
CMPR 121, PROGRAMMING CONCEPTS 21
CMPR 125, HELP DESK FUNDAMENTALS 21
CMPR 129, INTRODUCTION TO COMPUTER ORGANIZATION . . .21
CMPR 131, DATA STRUCTURES CONCEPTS 22
CMPR 134, MICROSOFT WINDOWS OPERATING SYSTEM 22
CMPR 138, COMPTIA NETWORK+ GUIDE TO NETWORKS 22
CMPR 153, A+ ESSENTIALS HARDWARE 22
CMPR 154, A+ ESSENTIALS SOFTWARE 22
CMPR 175, COMPTIA SECURITY+ GUIDE TO NETWORK SECURITY 22
COUNSELING (CNSL)
CNSL 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT 23
CNSL 104, PERSONAL AND GOAL DEVELOPMENT FOR EDUCATIONAL PLANNING 23
CNSL 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 23
CNSL 121, INTRODUCTION TO STEM STUDY SKILLS 23
CNSL 155, SKILLS FOR THE HELPING PROFESSIONS 23
CRIMINAL JUSTICE (CJ)
CJ 101, INTRODUCTION TO CRIMINAL JUSTICE. 23
CJ 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM 23
CJ 108, CRIME SCENE INVESTIGATION. 24
CJ 220, JUVENILE DELINQUENCY AND CONTROL 24
CRIMINAL JUSTICE ACADEMIES (CJA)
CJA 009B, FITNESS FOR LAW ENFORCEMENT 24
CJA 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT. 24
CJA 026A, TRAINING ACADEMY PREPARATION. 24
CJA 050, INTRODUCTION TO DRONE LAWS. 24
CJA 099, OCSD BASIC PRE-ACADEMY. 24
CJA 099A, BASIC POLICE ACADEMY 24
CULINARY ARTS (CULN) . . . . . .
CULN 120, INTRODUCTION TO CULINARY SKILLS & PRINCIPLES 25
CULN 140, INTRODUCTION TO BAKING & PASTRY 25
CULN 230, HEALTHY AMERICAN CUISINE 25
CULN 240, VEGETARIAN CUISINE. 25
DANCE (DNCE)
DNCE 009A, DANCE LABORATORY I 25
DNCE 009B, DANCE LABORATORY II. 26
DNCE 009C, DANCE LABORATORY III 26
DNCE 009D, DANCE LABORATORY IV 26
DNCE 100, DANCE HISTORY AND APPRECIATION. 26
DNCE 102, INTRODUCTION TO DANCE FORMS 26
DNCE 105, WORLD DANCE AND CULTURES 26
DNCE 107, DANCE CONCERT PERFORMANCE. 26
DNCE 110, BEGINNING MEXICAN FOLK DANCE 26
DNCE 111, INTERMEDIATE MEXICAN FOLK DANCE. 27
DNCE 112, ETHNIC DANCE 27
DNCE 120A, INTRODUCTION TO HIP-HOP DANCE 27
DNCE 201A, BALLET I 27
DNCE 201B, BALLET II 27
DNCE 202A, CHOREOGRAPHY 27
DNCE 202B, CHOREOGRAPHY FOR DANCE MAJORS 27
DNCE 204A, DANCE PRODUCTION I 27
DNCE 204B, DANCE PRODUCTION II 28
DNCE 204C, DANCE PRODUCTION III 28
DNCE 204D, DANCE PRODUCTION IV 28
DNCE 206A, MODERN DANCE I 28
DNCE 206B, MODERN DANCE II 28
DNCE 209, MODERN DANCE III 28
DNCE 210, MODERN DANCE IV 28
DNCE 213, BALLET III 28
DNCE 214, BALLET IV 29
DNCE 219A, JAZZ DANCE I 29
DNCE 219B, JAZZ DANCE II. 29
DNCE 220, JAZZ DANCE III 29
DNCE 221, JAZZ DANCE IV 29
DNCE 240A, REPERTORY I 29
DNCE 240B, REPERTORY II 29
DNCE 240C, REPERTORY III. 29
DNCE 240D, REPERTORY IV 30
DNCE 250A, HIP HOP DANCE I 30
DNCE 250B, HIP-HOP DANCE II 30
DNCE 251, HIP-HOP DANCE III 30
DIESEL (DSL)
DSL 115, HEAVY DUTY MOBILE HYDRAULICS 30
DSL 121, DIESEL ENGINES 30
DSL 161, ELECTRICAL/ELECTRONIC SYSTEMS. 30
DSL 181, PREVENTATIVE MAINTENANCE INSPECTION 30
DIGITAL MEDIA (DM)
DM 102, HISTORY OF GLOBAL CINEMA 30
DM 105, HISTORY OF LATIN AMERICAN CINEMA 31
DM 110, INTRODUCTION TO TELEVISION PRODUCTION 31
DM 112, INTRODUCTION TO VIDEO EDITING AND POSTPRODUCTION 31
DM 115A, SINGLE-CAMERA PRODUCTION AND EDITING. 31
DM 121, INTERMEDIATE SCREENWRITING FOR DIGITAL MEDIA 31
DM 121A, FUNDAMENTALS OF TYPOGRAPHY 31
DM 121B, ADVANCED TYPOGRAPHY 31
DM 123, ADVANCED SCREENWRITING FOR DIGITAL MEDIA MEDIA 31
DM 130, BROADCASTING FOR NEWS & SPORTS 32
DM 140, CINEMATOGRAPHY. 32
DM 152, BEGINNING AUDIO PRODUCTION 32
DM 171, DRONE PILOT TRAINING. 32
DM 191A, LAYOUT DESIGN 32
DM 195, INTRODUCTION TO DIGITAL MEDIA ARTS PRINCIPLES 32
DM 196A, 3D MODELING: THE FUNDAMENTALS. 32
DM 196B, 3D MODELING INTERMEDIATE 33
DM 230A, BEGINNING NEWS & SPORTS PRODUCTION 33
DM 230B, INTERMEDIATE NEWS & SPORTS PRODUCTION 33
DM 230C, ADVANCED NEWS & SPORTS PRODUCTION 33
DM 230D, EXECUTIVE NEWS & SPORTS PRODUCTION 33
DM 240, AGENCY FILM PRODUCTION 33
DM 255, MOTION PICTURE TECHNICAL PRODUCTION 33
DM 256, INTERMEDIATE MOTION PICTURE TECHNICAL PRODUCTION 34
DM 257, ADVANCED MOON PICTURE TECHNICAL PRODUCTION 34
EDUCATION (EDUC)
EDUC 105, EXPLORATION IN THE FIELD OF EDUCATION. 34
EDUC 201, INTRODUCTION TO EDUCATION 34
EMERGENCY MEDICAL TECHNICIAN (EMT)
EMT 104, EMERGENCY MEDICAL TECHNICIAN 35
EMT 111, RECERTIFICATION FOR EMT 35
ENGINEERING (ENGR)
ENGR 060, ROBOTICS SURVEY 35
ENGR 100A, INTRODUCTION TO ENGINEERING. 35
ENGR 118, SURVEYING. 36
ENGR 119, ADVANCED PLANE SURVEYING 36
ENGR 122, ENGINEERING DRAWING 36
ENGR 125, ENGINEERING GRAPHICS 36
ENGR 130A, CATIA I 36
ENGR 130B, CATIA II 36
ENGR 132, INTRODUCTION TO ROBOTICS 37
ENGR 158, BASIC MACHINING CONCEPTS AND OPERATIONS . .37

ENGR 183, AUTOCAD I 37
ENGR 235, STATICS 37
ENGLISH (ENGL)
ENGL 066, ROUTE TO WRITING SUCCESS: FRESHMAN COMPOSITION LABORATORY 37
ENGL 101, FRESHMAN COMPOSITION. 38
ENGL 102, LITERATURE AND COMPOSITION 38
ENGL 103, CRITICAL THINKING AND WRITING 38
ENGLISH FOR MULTILINGUAL STUDENTS (EMLS)
EMLS 110, INTRODUCTION TO THE ESSAY 38
EMLS N52B, INTERMEDIATE AMERICAN ENGLISH PRONUNCIATION SKILLS. 39
ENTREPRENEURSHIP (ENTR)
ENTR 100, INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP. 39
ENTR 105, SOCIAL MEDIA, BOOTSTRAPPING, AND MARKET VALIDATION. 39
FASHION DESIGN MERCHANDISING (FDM)
FDM 080, EMBROIDERY. 39
FDM 081, SCREEN PRINTING 39
FDM 103, FASHION SELECTION 39
FDM 104, TEXTILE FIBERS AND FABRICS 39
FDM 105A, BEGINNING SEWING 40
FDM 105B, INTERMEDIATE SEWING 40
FDM 109, FLAT PATTERN TECHNIQUES 40
FDM 110, CORSET CONSTRUCTION 40
FDM 111A, FASHION ILLUSTRATION TECHNIQUES. 40
FDM 114, 3D DESIGN 40
FDM 136, FUNDAMENTALS OF COSTUME DESIGN 40
FIRE ACADEMY (FAC)
FAC 008, BIDDLE PHYSICAL ABILITY TEST (PAT) EXAMINATION 41
FAC 018B, BEGINNING FIRE PHYSICAL ABILITY TRAINING 41
FAC 018C, INTERMEDIATE FIRE PHYSICAL ABILITY TRAINING. .41
FAC 018D, ADVANCED FIRE PHYSICAL ABILITY TRAINING 41
FIRE TECHNOLOGY (FTC)
FTC 121, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL .41
FTC 121L, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL - PERFORMANCE AND ASSESSMENT 42
HISTORY (HIST)
HIST 120, THE UNITED STATES TO 1877. 42
HIST 120H, HONORS THE UNITED STATES TO 1877. 42
HIST 121, THE UNITED STATES SINCE 1865 42
HIST 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES 42
HIST 124H, HONORS MEXICAN AMERICAN HISTORY IN THE UNITED STATES 43
KINESIOLOGY ACTIVITIES (KNAC)
KNAC 107A, BEGINNING BADMINTON. 43
KNAC 107B, INTERMEDIATE BADMINTON 43
KNAC 107C, ADVANCED BADMINTON 43
KNAC 140A, BEGINNING KARATE 43
KNAC 150A, BEGINNING HATHA YOGA 43
KNAC 155A, BEGINNING SELF-DEFENSE. 43
KNAC 170A, BEGINNING YOGA 43
KNAC 260A, BEGINNING SOCCER 43
KNAC 260B, INTERMEDIATE SOCCER 44
KNAC 260C, ADVANCED SOCCER 44
KINESIOLOGY ADAPTED ACTIVITIES (KNAD)
KNAD 202A, BEGINNING ADAPTED CIRCUIT TRAINING 44
KNAD 202B, INTERMEDIATE ADAPTED CIRCUIT TRAINING 44
KINESIOLOGY AEROBIC FITNESS (KNAF)
KNAF 140A, BEGINNING WALKING/JOGGING FOR FITNESS . . .44
KNAF 144A, BEGINNING CROSS TRAINING 44
KNAF 156A, BEGINNING CARDIO KICKBOXING 44
KNAF 156B, INTERMEDIATE CARDIO KICKBOXING. 45
KINESIOLOGY AQUATICS (KNAQ)
KNAQ 201A, BEGINNING SWIMMING 45
KNAQ 201B, LAP SWIMMING 45
KINESIOLOGY FITNESS (KNFI)
KNFI 112A, BEGINNING CIRCUIT TRAINING 45
KNFI 112B, INTERMEDIATE CIRCUIT TRAINING. 45
KNFI 112C, ADVANCED CIRCUIT TRAINING. 45
KNFI 114A, BEGINNING SPINNING. 45
KNFI 114B, INTERMEDIATE SPINNING 46
KNFI 147A, BEGINNING WEIGHT TRAINING 46
KNFI 147B, INTERMEDIATE WEIGHT TRAINING 46
KINESIOLOGY HEALTH EDUCATION (KNHE)
KNHE 104, NUTRITION AND FITNESS 46
KNHE 106, CARDIOPULMONARY RESUSCITATION AND FIRST AID 46
KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)
KNIA 128, CONDITIONING FOR ATHLETES 46
KNIA 202, BASKETBALL-MEN 46
KNIA 204, FOOTBALL-MEN. 47
KNIA 210, WRESTLING-MEN 47
KNIA 212, BASKETBALL-WOMEN 47
KNIA 213, VOLLEYBALL-WOMEN. 47
KNIA 216, SOCCER-MEN 47
KNIA 219, CROSS COUNTRY-WOMEN 47
KNIA 220, SOCCER-WOMEN. 47
KNIA 223, BASEBALL 47
KNIA 235, SPEED AND AGILITY 47
KNIA 235, SPEED AND AGILITY 47
KNIA 271, SOFTBALL - OFF SEASON. 48
KINESIOLOGY PROFESSIONAL (KNPR)
KNPR 101, INTRODUCTION TO KINESIOLOGY 48
KNPR 156, SPORT PSYCHOLOGY APPLICATIONS - SOCCER 48
KNPR 175, THEORY OF FOOTBALL 48
KNPR 196, SPORT PSYCHOLOGY APPLICATIONS - BASEBALL. . .48
KINESIOLOGY SPORTS MEDICINE (KNSM)
KNSM 101, INTRODUCTION TO SPORTS MEDICINE 48
LAW (LAW)
LAW 100, LAW AND SOCIETY. 48
LAW 105, THE LEGAL ENVIRONMENT OF BUSINESS. 49
MANAGEMENT (MGMT)
MGMT 120, PRINCIPLES OF MANAGEMENT 49
MGMT 122, BUSINESS COMMUNICATIONS 49
MANUFACTURING TECHNOLOGY (MNFG)
MNFG 096, MANUFACTURING TECHNOLOGY LAB APPLICATION .49
MNFG 130A, CATIA I. 50
MNFG 130B, CATIA II 50
MNFG 158, BASIC MACHINING CONCEPTS AND OPERATIONS . .50
MNFG 159, ADVANCED TURNING CONCEPTS AND OPERATIONS 51
MNFG 168, ADVANCED MILLING CONCEPTS AND OPERATIONS .51
MARKETING (MKTG)
MKTG 113, PRINCIPLES OF MARKETING 52
MKTG 116, GLOBAL MARKETING: SELLING AROUND THE WORLD 52
MATHEMATICS (MATH)
MATH 040, SUPPORT FOR COLLEGE ALGEBRA 52
MATH 140, COLLEGE ALGEBRA. 52
MATH 219, STATISTICS AND PROBABILITY 52
MATH 221, STATISTICS AND PROBABILITY WITH SUPPORT. . . .53
MEDICAL ASSISTANT (MA)
MA 001, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 53
MA 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS. 53
MA 030, PHLEBOTOMY 53
MA 051A, BEGINNING MEDICAL TERMINOLOGY. 54
MA 055, MEDICAL ASSISTANT - CLINICAL BACK OFFICE. 54
MUSIC (MUS)
MUS 009A, MUSIC LABORATORY 54
MUS 009B, MUSIC LABORATORY II. 54
MUS 009C, MUSIC LABORATORY III 54
MUS 009D, MUSIC LABORATORY IV 54
MUS 101, MUSIC APPRECIATION 55
MUS 102, WORLD MUSIC 55
MUS 102H, HONORS WORLD MUSIC. 55
MUS 103, JAZZ IN AMERICA 55
MUS 104, ROCK MUSIC HISTORY AND APPRECIATION 55
MUS 111, BASIC MUSIC THEORY AND MUSICIANSHIP I 55
MUS 113A, BASIC MUSICIANSHIP SKILLS. 55
MUS 113B, MUSICIANSHIP SKILLS. 55
MUS 114A, MUSICIANSHIP 55
MUS 114B, MUSICIANSHIP 56
MUS 115A, APPLIED MUSIC (PRIVATE INSTRUCTION) 56
MUS 115B, APPLIED MUSIC (PRIVATE INSTRUCTION) 56

MUS 115C, APPLIED MUSIC (PRIVATE INSTRUCTION) 56
MUS 115D, APPLIED MUSIC (PRIVATE INSTRUCTION) 56
MUS 121, BEGINNING VOICE. 56
MUS 122, INTERMEDIATE VOICE 57
MUS 123, ADVANCED VOICE 57
MUS 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE .57
MUS 135, CONCERT CHORALE 57
MUS 136, COLLEGIATE CHOIR 57
MUS 137, CHAMBER CHOIR 57
MUS 141, INSTRUMENTAL ENSEMBLES 57
MUS 142, CREATING MUSIC ON THE DIGITAL AUDIO WORKSTATION 57
MUS 143, INTERMEDIATE TECHNIQUES ON THE DIGITAL AUDIO WORKSTATION 57
MUS 144, PROJECTS IN ELECTRONIC MUSIC. 58
MUS 147, DIGITAL RECORDING STUDIO SOUND DESIGN. 58
MUS 152, BEGINNING AUDIO PRODUCTION 58
MUS 153, INTRODUCTION TO GAME AUDIO 58
MUS 161, CLASS PIANO I 58
MUS 162, CLASS PIANO II. 58
MUS 163, CLASS PIANO III 58
MUS 164A, INTERMEDIATE PIANO REPERTOIRE I. 59
MUS 164B, INTERMEDIATE PIANO REPERTOIRE II 59
MUS 168, STYLISTIC INTERPRETATION OF PIANO REPERTOIRE.59
MUS 171, CONCERT BAND. 59
MUS 175, JAZZ ENSEMBLE 59
MUS 176, JAZZ BAND 59
MUS 178, MARIACHI. 59
MUS 180A, STRING METHODS 59
MUS 180B, INTERMEDIATE STRING METHODS. 59
MUS 180C, ADVANCED STRING METHODS 60
MUS 181, CHAMBER ORCHESTRA. 60
MUS 185, BEGINNING CLASSICAL GUITAR 60
MUS 186, INTERMEDIATE CLASSICAL GUITAR 60
MUS 187, ADVANCED CLASSICAL GUITAR. 60
MUS 188, ADVANCED CLASSICAL GUITAR TECHNIQUE AND REPERTOIRE. 60
MUS 189, GUITAR ENSEMBLE 60
MUS 213, THEORY 3 60
MUS 215A, APPLIED MUSIC (ADVANCED PRIVATE INSTRUCTION) 61
MUS 241, CHAMBER MUSIC ENSEMBLE. 61
MUS 268, INTERMEDIATE KEYBOARD REPERTOIRE 61
MUS 271, SYMPHONIC BAND 61
NURSING-REGISTERED (NRN)
NRN 170, PHARMACOLOGICAL CONCEPTS OF NURSING 61
NRN 171, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS 62
NRN 171L, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS LAB. 62
NRN 172L, FAMILY HEALTH AND ILLNESS CONCEPTS LAB 63
NRN 271L, MENTAL HEALTH AND ACUTE CONCEPTS LAB 63
NRN 272L, COMPLEX CONCEPTS AND PRECEPTORSHIP LAB . . .64
NUTRITION AND FOOD (NUTR)
NUTR 115, NUTRITION 64
OCCUPATIONAL THERAPY ASSISTANT (OTA)
OTA 101L, EXPLORATION OF OCCUPATION THROUGH ACTIVITY 64
OTA 102, PSYCHOSOCIAL FUNCTION AND DYSFUNCTION. 64
OTA 102L, PSYCHOSOCIAL COMPONENTS OF OCCUPATION . . .65
OTA 103, PHYSICAL FUNCTION AND DYSFUNCTION 65
OTA 103L, PHYSICAL COMPONENTS OF OCCUPATION. 65
OTA 110, HUMAN OCCUPATION ACROSS LIFESPAN 65
OTA 201, CONTEMPORARY MODELS OF OCCUPATIONAL THERAPY PRACTICE 65
PARALEGAL (PARA)
PARA 100, LAW AND SOCIETY 66
PARA 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM 66
PHARMACY TECHNOLOGY (PHAR)
PHAR 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT. 66
PHAR 072B, PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT 66
PHAR 072C, PHARMACY TECHNOLOGY EXTERNSHIP STERILE PRODUCTS. 66
PHILOSOPHY (PHIL)
PHIL 110, CRITICAL THINKING 67
PHOTOGRAPHY (PHOT)
PHOT 009, PHOTOGRAPHY LAB 67
PHOT 150, HISTORY OF PHOTOGRAPHY 68
PHOT 180, BEGINNING PHOTOGRAPHY. 68
PHOT 191, COMMERCIAL STUDIO PRACTICES 68
PHOT 291, WEDDING AND QUINCEAÑERA PHOTOGRAPHY 68
PHYSICAL SCIENCE (PSC)
PSC 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS. 68
POLITICAL SCIENCE (POLT)
POLT 101, AMERICAN GOVERNMENT AND POLITICS. 68
POLT 200, AMERICAN POLITICAL THOUGHT 68
PSYCHOLOGY (PSYC)
PSYC 100, INTRODUCTION TO PSYCHOLOGY. 69
PSYC 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY 69
SPANISH (SPAN)
SPAN 101, ELEMENTARY SPANISH I 69
THEATRE ARTS (THEA)
THEA 100, INTRODUCTION TO THEATRE. 69
THEA 110, ACTING FUNDAMENTALS 70
THEA 111, INTERMEDIATE ACTING. 70
THEA 118, FUNDAMENTALS OF SCENE STUDY 70
THEA 123, INTRODUCTION TO DRAMA AND ACTING 70
THEA 130, LIGHTING DESIGN 70
THEA 131, STAGECRAFT 70
THEA 136, FUNDAMENTALS OF COSTUME DESIGN. 70
THEA 150A, REHEARSAL AND PERFORMANCE IN PRODUCTION. 70
THEA 150B, TECHNICAL THEATRE IN PRODUCTION 70
THEA 153, INTRODUCTION TO DIRECTING 71
THEA 250, ADVANCED THEATRE PRODUCTION 71
THEA 255, MOTION PICTURE PERFORMANCE PRODUCTION . . .71
THEA 256, INTERMEDIATE MOTION PICTURE PERFORMANCE PRODUCTION 71
THEA 257, MOTION PICTURE PERFORMANCE PRODUCTION III. 71
THEA 258, MOTION PICTURE PERFORMANCE PRODUCTION IV 71
WELDING (WELD)
WELD 101, INTRODUCTION TO WELDING 71
WELD 125, INTERMEDIATE ELECTRIC ARC WELDING 72
WELD 181, PIPE WELDING FUNDAMENTALS 72
WELD 182, INTERMEDIATE PIPE WELDING 72
WELD 225, ADVANCED ELECTRIC ARC WELDING. 72
WELD 240, STRUCTURAL WELDING SMAW/FCAW 72
WELD 282, ADVANCED PIPE WELDING 73

ACCOUNTING (ACCT)

ACCT 010, ACCOUNTING PROCEDURES **3.0 UNITS**

This course introduces the students to the accounting cycle including journal entries, general ledger, the adjustment process, and the related financial statements. The course is designed to prepare students for Accounting 101 and/or occupations in bookkeeping.

F2F **00314**	**6:00p-9:10p**	**M**	**Jarjoura R**	**A-108**	**Full Semester**

This class meets on-campus.

ACCT 035, QUICKBOOKS I **2.0 UNITS**

This is an introductory course on using Quickbooks software in the business environment for preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports and customization.

F2F **00317**	**6:00p-10:15p**	**Tu**	**Jarjoura R**	**A-108**	**08/24-10/12**

This class meets on-campus. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

ACCT 036, QUICKBOOKS II **2.0 UNITS**

This is an intermediate course on using QuickBooks software in the business environment for preparation of accounting information. Students will cover accounting theory and practical knowledge of QuickBooks on more advanced topics such as inventory management, time and billing, payroll setup, payroll processing, estimates and adjustments and year-end procedures. This course will assist in preparing students for the QuickBooks Certified User exam.

F2F **00326**	**6:00p-10:15p**	**Tu**	**Jarjoura R**	**A-108**	**10/19-12/07**

This class meets on-campus. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

ACCT 101, FINANCIAL ACCOUNTING **4.0 UNITS**

The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.

F2F **00358**	**8:00a-10:05a**	**Tu Th**	**Sung L**	**A-211**	**Full Semester**

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

F2F **00359**	**9:00a-1:15p**	**Sa**	**Erlandson S**	**A-211**	**Full Semester**

This class meets on-campus.

F2F **00356**	**10:20a-12:25p**	**M W**	**McCallick M**	**A-209**	**Full Semester**

This class meets on-campus.

F2F **00360**	**12:35p-2:40p**	**M W**	**Wilson S**	**A-211**	**Full Semester**

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

F2F **00354**	**6:00p-10:15p**	**M**	**Weinraub J**	**A-209**	**Full Semester**

This class meets on-campus.

ACCT 102, MANAGERIAL ACCOUNTING **4.0 UNITS**

Study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.

Prerequisite: Accounting 101 with a minimum grade of C.

F2F **00363**	**8:00a-10:05a**	**M W**	**McCallick M**	**A-209**	**Full Semester**

This class meets on-campus.

F2F **00364**	**10:20a-12:25p**	**M W**	**Strong J**	**A-211**	**Full Semester**

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

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

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

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

Low cost or free textbooks:

OER **OER**

ZTC

HONORS

ACCT 125, VOLUNTEER INCOME TAX ASSIST. (VITA) I **2.0 UNITS**

This course will cover Federal and California individual income tax theories and laws to prepare students to successfully pass the IRS-provided online Basic, Advanced, and additional tax exams and be eligible to volunteer in the IRS-sponsored Volunteer Income Tax Assistance (VITA) program. The successful completion of the course and passing the exams will prepare students to work as an intern or volunteer at a VITA site to prepare tax returns and have face-to-face interaction with taxpayers.

Recommended Preparation: Accounting 104 with a minimum grade of C.

F2F	**00375**	**6:00p-10:15p**	**W**	**Wong S**	**A-108**	**10/20-12/08**

This class meets on-campus. There is no additional textbook cost for this ZTC class.

AMERICAN SIGN LANGUAGE (ASL)

ASL 110, AMERICAN SIGN LANGUAGE I **4.0 UNITS**

This entry level course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. Sign Language 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.

F2F	**03347**	**12:30p-2:35p**	**M W**	**Ayala E**	**D-208**	**Full Semester**
F2F	**97895**	**2:45p-4:50p**	**M W**	**Ruiz K**	**D-105**	**Full Semester**

ASL 111, AMERICAN SIGN LANGUAGE II **4.0 UNITS**

The second course in the study of American Sign Language (ASL) focuses on increased vocabulary development, intermediate comprehension and conversational skills, application of grammatical structures and practice in the receptive and expressive aspects of ASL, as well as appreciation of American Deaf culture, and history. Students are required to attend at least one off campus event.

Prerequisite: American Sign Language 110 with a minimum grade of C.

F2F	**03348**	**10:15a-12:20p**	**Tu Th**	**McCrory R**	**D-208**	**Full Semester**

ART (ART)

ART 009, ART LAB **0.5 UNIT**

An open lab for studio art students for the purpose of devoting additional hours outside of class time on projects. Projects, determined by class assignments, vary by semester. Twenty-four lab hours per semester earn .5 unit.

Open Entry / Open Exit

F2F	**00609**	**11:00a-12:55p**	**F**	**Hower T**	**C-210**	**Full Semester**
F2F	**00602**	**1:30p-2:55p**	**W**	**Hower T**	**C-210**	**Full Semester**
F2F	**00612**	**5:00p-6:25p**	**Th**	**Dufala C**	**C-105**	**Full Semester**

ART 100, INTRODUCTION TO ART CONCEPTS **3.0 UNITS**

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

F2F	**00614**	**8:25a-9:50a**	**M W**	**Spies B**	**C-104**	**Full Semester**

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

F2F	**00616**	**8:40a-10:05a**	**Tu Th**	**Foster E**	**C-104**	**Full Semester**

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

F2F	**00632**	**1:40p-3:05p**	**M W**	**Stone L**	**C-104**	**Full Semester**

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

F2F	**00637**	**3:20p-4:45p**	**M W**	**Stone L**	**C-213**	**Full Semester**

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

ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES
3.0 UNITS

The study of art from Prehistory through Middle Ages. Cultures and Civilizations are studied through visual imagery, lecture, class discussion, reading, research, and field trips. Recommended sequence of courses: Art 100, Art 101, Art 102.

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

F2F 00650	10:20a-11:45a	Tu Th	Spies B	C-213	Full Semester

ART 102, SURVEY OF WESTERN ART HISTORY II: RENAISSANCE TO TODAY CENTURY **3.0 UNITS**

The study of Western art history from the Renaissance to today. Art movements and individual painters, sculptors, architects, and printmakers will be presented within the context of the social, political, and intellectual histories of their respective periods. Required for art majors.

Recommended Preparation: English 101 or English 101H is recommended.

F2F 00651	1:40p-3:05p	Tu Th	Spies B	C-213	Full Semester

ART 110, TWO-DIMENSIONAL DESIGN **3.0 UNITS**

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

F2F 00658	9:30a-10:20a	Tu Th	Hostetter D	C-208	Full Semester
	10:30a-12:35p	Tu Th	Hostetter D	C-208	

ART 111, THREE-DIMENSIONAL DESIGN **3.0 UNITS**

An introduction to the fundamental concepts and technical processes of three-dimensional design. Coursework will focus on the formal development and articulation of three dimensional objects with an emphasis on form, mass, scale, texture, space, color, contrast and movement.

F2F 00678	9:00a-9:50a	M W	Dufala C	C-106	Full Semester
	10:00a-12:05p	M W	Dufala C	C-106	

ART 130, INTRODUCTION TO DRAWING **3.0 UNITS**

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

F2F 00696	10:15a-11:05a	Tu Th	Foster E	C-210	Full Semester
	11:15a-1:20p	Tu Th	Foster E	C-210	
F2F 00685	1:30p-2:20p	M W	Hostetter D	C-208	Full Semester
	2:30p-4:45p	M W	Hostetter D	C-208	
F2F 00693	1:30p-2:20p	Tu Th	Dufala C	C-210	Full Semester
	2:30p-4:35p	Tu Th	Dufala C	C-210	

ART 131, BEGINNING LIFE DRAWING **3.0 UNITS**

Introduction to drawing the human form by observing live models for studies in anatomy, structure, and composition. Exposure to traditional and contemporary figurative drawing while exploring media and methods. Required for art majors.

Recommended Preparation: ART 130 with a minimum grade of C.

F2F 00708	10:00a-10:50a	M W	Hower T	C-210	Full Semester
	11:00a-1:20p	M W	Hower T	C-210	
F2F 00716	6:30p-7:20p	Tu Th	Lierly M	C-210	Full Semester
	7:30p-9:35p	Tu Th	Lierly M	C-210	

ART 133, INTRODUCTION TO GALLERY PRODUCTION **2.0 UNITS**

Introduction to the practices of art exhibit preparation and installation. Students will gain knowledge in the history and theory of art exhibition, as well as the current state of gallery management and museum work. Emphasis is on learning and utilizing industry-standard terminology, materials and tools. Students will move from observation to practical experience as they support the daily operations and special events of two college galleries.

F2F 01244	TBA		Marquez P	C-101	Full Semester
	3:00p-4:00p	W	Staff	C-101	

Orientation meeting Wednesday, 08/25/2021, 3:00p-4:00p, SAC C-101. 7 hours arranged per week.
Call Art Gallery Office @ 714-564-5615 for information.

ART 134, INTERMEDIATE GALLERY PRODUCTION **2.0 UNITS**

An intermediate course designed to build on knowledge and skills gained in Art 133. Students have opportunities to increase experience with new exhibitions and installations. Emphasis is on solving art gallery problems using current industry-standard communication and practices. Visits to local galleries and behind-thescenes museum tours of collections and exhibition preparation areas. Students will also use woodshop equipment to build pedestals as well as draft an exhibition proposal and artwork layout.

Prerequisite: Art 133 with minimum grade of P.

F2F **01247**	**TBA**		**Marquez P**	**C-101**	**Full Semester**
	3:00p-4:00p	**W**	**Staff**	**C-101**	

Orientation meeting Wednesday, 08/25/2021, 3:00p-4:00p, SAC C-101. 7 hours arranged per week.
Call Art Gallery Office @ 714-564-5615 for information.

ART 135, ADVANCED GALLERY PRODUCTION **2.0 UNITS**

Students produce a unique exhibition on campus using knowledge and skills gained in Art 133 and 134. Emphasis will be on independently curating, designing, lighting, writing didactic material, and publicizing their exhibition.

Prerequisite: Art 134 with minimum grade of P

F2F **01248**	**TBA**		**Marquez P**	**C-101**	**Full Semester**
	3:00p-4:00p	**W**	**Staff**	**C-101**	

Orientation meeting Wednesday, 08/25/2021, 3:00p-4:00p, SAC C-101. 7 hours arranged per week.
Call Art Gallery Office @ 714-564-5615 for information.

ART 141, BEGINNING PAINTING **3.0 UNITS**

Introduction to acrylic and/or water soluble oil painting as a creative art form with exposure to historical, traditional and contemporary painting styles. Course includes principles of composition and color theory, materials selection, tools, terminology, and techniques. Students develop basic skills painting a variety of subjects. Required for art majors.

Recommended Preparation: Art 110 or Art 130 with a minimum grade of C.

F2F **01605**	**10:15a-11:05a**	**M W**	**Jones A**	**C-210**	**Full Semester**
	11:15a-1:20p	**M W**	**Jones A**	**C-210**	

ART 151, CERAMICS-INTRODUCTORY LEVEL **3.0 UNITS**

Exploration of clay as a structural and creative material. Experiences include throwing on the potter's wheel and hand building. Instruction includes surface design, glazing, and experience in utilitarian forms. Students provide clay and tools.

Material Fee(s): $8.00

F2F **00799**	**1:30p-2:20p**	**M W**	**Dufala C**	**C-105**	**Full Semester**
	2:30p-4:35p	**M W**	**Dufala C**	**C-105**	

ART 152, CERAMICS-INTERMEDIATE THROWING **3.0 UNITS**

Further study of wheel thrown techniques with an emphasis on functional, utilitarian forms. Students provide own clay and tools.

Prerequisite: Art 151 with a minimum grade of C.

F2F **00801**	**6:30p-7:20p**	**Tu Th**	**Dufala C**	**C-105**	**Full Semester**
	7:30p-9:35p	**Tu Th**	**Dufala C**	**C-105**	

ART 153, CERAMICS-INTERMEDIATE HANDBUILDING **3.0 UNITS**

Further study of handbuilding techniques with emphasis on one-of-a-kind sculptural forms. Non-traditional alternatives to glazes are explored. Students provide own clay and tools.

Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

F2F **00803**	**6:30p-7:20p**	**Tu Th**	**Dufala C**	**C-105**	**Full Semester**
	7:30p-9:35p	**Tu Th**	**Dufala C**	**C-105**	

ART 159A, CERAMIC COLOR DECORATION: LOW TEMPERATURE **3.0 UNITS**

Exploration of surface color decoration on ceramic vessels. Emphasizes glazing techniques (low temperatures only) such as underglazes, lusters, engobes, sgraffito, decals, slip trailing, wax resist, burnishing and ceramic pencils/ crayons.

Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

F2F **00805**	**6:30p-7:20p**	**Tu Th**	**Dufala C**	**C-105**	**Full Semester**
	7:30p-9:35p	**Tu Th**	**Dufala C**	**C-105**	

ART 159B, CERAMIC COLOR DECORATION: HIGH TEMPERATURE **3.0 UNITS**

Exploration of surface color decoration on ceramic vessels within the realm of high stoneware temperatures. Emphasizes glazing techniques such as marbling, feathering, mishima, brush decoration, stencils, stamp printing, spraying, slip painting, glaze trailing, wax resist, and terra sigallata.

Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

F2F	00807	6:30p-7:20p	Tu Th	Dufala C	C-105	Full Semester
		7:30p-9:35p	Tu Th	Dufala C	C-105	

ART 230, INTERMEDIATE DRAWING **3.0 UNITS**

An intermediate course in the study of drawing designed to give students who have completed an introductory drawing course additional opportunity in graphic expression. Further exploration of materials including a wide variety of both drawing and mixed media. Students continue the development of composition and more intermediate concepts. The class emphasizes individual expression.

Prerequisite: Art 130 with a minimum grade of C.

F2F	00700	10:15a-11:05a	Tu Th	Foster E	C-210	Full Semester
		11:15a-1:20p	Tu Th	Foster E	C-210	
F2F	00686	1:30p-2:20p	M W	Hostetter D	C-208	Full Semester
		2:30p-4:35p	M W	Hostetter D	C-208	
F2F	00694	1:30p-2:20p	Tu Th	Dufala C	C-210	Full Semester
		2:30p-4:45p	Tu Th	Dufala C	C-210	

ART 231, INTERMEDIATE LIFE DRAWING **3.0 UNITS**

Continued experience in drawing from the live model with opportunity for development of self-expression. Further exploration of media and techniques.

Prerequisite: Art 131 with a minimum grade of C.

F2F	00709	10:00a-10:50a	M W	Hower T	C-210	Full Semester
		11:00a-1:20p	M W	Hower T	C-210	
F2F	00717	6:30p-7:20p	Tu Th	Lierly M	C-210	Full Semester
		7:30p-9:35p	Tu Th	Lierly M	C-210	

ART 232, ADVANCED LIFE DRAWING **3.0 UNITS**

Intensive study of the human figure with further advanced level development of drawing skills, composition, technique, and media utilizing the live model. Projects vary each semester.

Prerequisite: Art 231 with a minimum grade of C.

F2F	00711	10:00a-10:50a	M W	Hower T	C-210	Full Semester
		11:00a-1:20p	M W	Hower T	C-210	
F2F	00718	6:30p-7:20p	Tu Th	Lierly M	C-210	Full Semester
		7:30p-9:35p	Tu Th	Lierly M	C-210	

ART 233, ADVANCED DRAWING **3.0 UNITS**

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

Prerequisite: Art 230 with a minimum grade of C or portfolio review.

F2F	00703	10:15a-11:05a	Tu Th	Foster E	C-210	Full Semester
		11:15a-1:20p	Tu Th	Foster E	C-210	
F2F	00687	1:30p-2:20p	M W	Hostetter D	C-208	Full Semester
		2:30p-4:45p	M W	Hostetter D	C-208	
F2F	00695	1:30p-2:20p	Tu Th	Dufala C	C-210	Full Semester
		2:30p-4:35p	Tu Th	Dufala C	C-210	

ART 241, INTERMEDIATE PAINTING **3.0 UNITS**

An intermediate level class designed to promote and advance the creative development of those with basic skills in water-soluble oil and/or acrylic painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods, and techniques. Emphasis on artistic expression and individual creative problems.

Prerequisite: Art 141 with a minimum grade of C.

F2F **01603**	**10:15a-11:05a**	**M W**	**Jones A**	**C-210**	**Full Semester**
	11:15a-1:20p	**M W**	**Jones A**	**C-210**	

ART 242, ADVANCED PAINTING **3.0 UNITS**

An advanced level studio course providing opportunity for further refinement of painting skills with increasing exposure to contemporary styles. Emphasis on research and individual creative problems in painting. Exploration into a personal mode of expression through development of media, technique, and style. Classroom studio use of oils limited to water-soluble oil paint only.

Prerequisite: Art 241 with a minimum grade of C.

F2F **01604**	**10:15a-11:05a**	**M W**	**Jones A**	**C-210**	**Full Semester**
	11:15a-1:20p	**M W**	**Jones A**	**C-210**	

ART 252, CERAMICS-ADVANCED STUDY PROCESS IN CERAMICS WITH NON-TRADITIONAL MEDIA **3.0 UNITS**

An advanced study in the ceramic process as it relates to a non-clay media approach. A sculptural form study with non-traditional materials as surface enhancements.

Prerequisite: Art 152 or Art 153 with a minimum grade of C.

Material Fee(s): $8.00

F2F **00808**	**6:30p-7:20p**	**Tu Th**	**Dufala C**	**C-105**	**Full Semester**
	7:30p-9:35p	**Tu Th**	**Dufala C**	**C-105**	

ART 253, ELECTRIC KILN CERAMICS **3.0 UNITS**

Provides student potters working studio production knowledge of the uses of an oxidizing electric kiln. Emphasizes types of electric kilns, spectrum of glaze formulas, and safety procedures of firing.

Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

F2F **00811**	**6:30p-7:20p**	**Tu Th**	**Dufala C**	**C-105**	**Full Semester**
	7:30p-9:35p	**Tu Th**	**Dufala C**	**C-105**	

ASTRONOMY (ASTR)

ASTR 109, INTRODUCTION TO THE SOLAR SYSTEM **3.0 UNITS**

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

F2F **03362**	**8:35a-10:00a**	**M W**	**Staff**	**R-124**	**Full Semester**
		This class will meet on campus.			
F2F **03363**	**1:40p-3:05p**	**Tu Th**	**Staff**	**R-124**	**Full Semester**
		This class will meet on campus.			

ASTR 110, INTRODUCTION TO STARS AND GALAXIES **3.0 UNITS**

Surveys the development of astronomy, current research and observations of stars, galaxies, and large-scaled structures in the universe. Exploration of light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies, and the universe's structures and changes.

03367	**1:40p-3:05p**	**M W**	**Staff**	**R-124**	**Full Semester**
		This class will meet on campus.			

AUTOMOTIVE TECHNOLOGY (AUTO)

AUTO 102, INTRODUCTION TO AUTOMOTIVE **3.0 UNITS**

Introduction to the primary automotive systems used on modern vehicles. Theory, parts nomenclature, and description of system operation are emphasized. This course is intended for students seeking technical knowledge, with hands-on lab work, and future employment as an automotive service technician.

F2F **01204**	**8:00a-10:30a**	**W**	**Bittner M**	**J-102**	**Full Semester**
	10:40a-12:05p	**W**	**Bittner M**	**J-103**	
F2F **01205**	**1:00p-3:30p**	**W**	**Gassaway M**	**LINCOLN**	**Full Semester**
	3:40p-5:05p	**W**	**Gassaway M**	**LINCOLN**	

01062	4:00p-6:30p	M	Nguyen H	LINCOLN	Full Semester
	6:40p-8:05p	M	Nguyen H	LINCOLN	
H 01198			Roper D	HYBRID	08/23-10/17
	6:00p-9:10p	Tu	Roper D	J-102	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

AUTO 111, ENGINE REPAIR **5.0 UNITS**

This course deals with tear-down, assembly, diagnosis, and repair of gasoline automotive engines. Accurate engine measurement is highlighted. Hands-on practice of engine repair skills is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam. Field trips may be required.

Recommended Preparation: Automotive Technology 102 is recommended.

F2F 01060	1:00p-3:05p	M W	Bittner M	J-102	Full Semester
	3:15p-5:20p	M W	Bittner M	J-103	

AUTO 112, AUTOMATIC TRANSMISSIONS AND TRANSAXLES **4.5 UNITS**

This course will cover the theory, operation, diagnosis, and service procedures of automatic transmissions and transaxles. Hydraulic systems are highlighted, along with exploration of electronic controls and continuously variable transmissions (CVT). Hands-on testing and service procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A2 (Automatic Transmission/Transaxles) ASE certification exam. Field trips may be required

Recommended Preparation: Automotive Technology 102 is recommended.

F2F 01135	8:00a-9:25a	Tu Th	Sosebee M	J-102	Full Semester
	9:35a-12:05p	Tu Th	Sosebee M	J-103	

AUTO 113, MANUAL DRIVE TRAIN AND AXLES **4.5 UNITS**

This course will cover the theory, operation, diagnosis, and service of manual transmissions, transaxles, clutches, driveshafts, and differentials. This course also covers four-wheel drive and all-wheel drive systems. Safe and correct hands-on procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A3 (Manual Drive Train) ASE certification exam. Field trips may be required.

Recommended Preparation: Automotive Technology 102 is recommended.

F2F 01203	6:00p-7:25p	Tu Th	Duque J	J-101	Full Semester
	7:35p-10:05p	Tu Th	Duque J	J-103	

AUTO 114, SUSPENSION AND STEERING **4.5 UNITS**

This course will cover the theory, operation, diagnosis, and service of the steering and suspension systems used on modern vehicles. Wheel alignment, tires, tire pressure monitoring systems, and electronic suspension/steering components are included. Hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists students in preparation for the A4 (Steering and Suspension) ASE certification exam. Field trips may be required.

Recommended Preparation: Automotive Technology 102 is recommended.

H 01059			Bittner M	HYBRID	Full Semester
	7:00a-12:00p	M	Bittner M	J-102	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

AUTO 115, BRAKES **4.5 UNITS**

This course will cover the theory of operation, diagnosis, and service of drum, disc, and anti-lock brake systems used on modern vehicles. Safe and correct hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A5 (Brakes) ASE certification exam. Field trips may be required.

Recommended Preparation: Automotive Technology 102 is recommended.

F2F 01112	6:00p-7:25p	M W	Roper D	J-102	Full Semester
	7:35p-10:05p	M W	Roper D	J-103	

AUTO 116, ELECTRICAL FUNDAMENTALS **5.0 UNITS**

Introduction to the basic operating principles of electrical and electronic devices used in modern vehicles. Hands-on digital multimeter testing is highlighted. Safe and correct use of tools and equipment by students will be emphasized. The course will also include Ohm's law, circuit testing, electromagnetism, batteries, starters, and alternators. Students must furnish approved safety glasses. This course assists students in preparation for the A6 (Electrical/Electronics) ASE certification exam. Field trips may be required.

Recommended Preparation: Automotive Technology 102 is recommended.

H	**01191**		**Roper D**	**HYBRID**	**Full Semester**
	1:00p-5:15p	**Tu**	**Roper D**	**J-102**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

AUTO 118, ENGINE PERFORMANCE **5.0 UNITS**

This course will cover engine performance procedures including fuel, ignition, oscilloscope, emission control, and computer systems found on modern automobiles. Hands-on testing and diagnosis are emphasized. This course assists the student in preparation for the A8 (Engine Performance) ASE certification exam. Students must furnish approved safety glasses. Field trips may be required

Recommended Preparation: Automotive Technology 102 and 116 are recommended.

H	**01207**		**Rudd J**	**HYBRID**	**Full Semester**
	1:00p-5:15p	**Th**	**Rudd J**	**J-102**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

AUTO 200, AUTOMOTIVE SERVICE ADVISING **3.0 UNITS**

This course will cover the career, expectations, and duties of an automotive service advisor. Topics include customer service, the three Cs, completing repair order procedures, writing skills, and effective communication with internal and external customers.

F2F	**01206**	**6:00p-9:10p**	**W**	**Staff**	**R-114**	**Full Semester**

AUTO 282, AUTOMOTIVE SENSORS **3.0 UNITS**

This course covers the function and testing of computerized engine sensors used on modern vehicles. The use of meters and test equipment will be emphasized. This course assists the student in preparation for the A8 (Engine Performance) and L1 (Advanced Engine Performance) ASE certification exams.

H	**01061**		**Rudd J**	**HYBRID**	**Full Semester**
	1:00p-4:10p	**M**	**Rudd J**	**J-103**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

AUTO 283, DIAGNOSTIC TEST EQUIPMENT **3.0 UNITS**

This course covers the use of automotive diagnostic equipment such as scan tools and hand held lab scopes. Test procedures and diagnostics will be emphasized. This course assists the student in preparation for the A8 (Engine Performance) and L1 (Advanced Engine Performance) ASE certification exams.

H	**01208**		**Andreasen K**	**HYBRID**	**Full Semester**
	6:00p-9:10p	**Th**	**Andreasen K**	**J-103**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

BANKING (BANK)

BANK 010, TRAINING FOR ENTRY LEVEL BANKERS INSTITUTIONS **2.0 UNITS**

Course provides prospective bank employees with a broad overview of financial institutions and basic knowledge of teller techniques including bank transactions and customer service.

F2F	**00382**	**6:00p-10:15p**	**Tu**	**Nguyen K**	**A-228**	**10/19-12/07**

This class meets on-campus. There is no additional textbook cost for this ZTC class.

BIOLOGY (BIOL)

BIOL 109L, Fundamentals of Biology Laboratory **1.0 Unit**

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

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

F2F 03371	3:20p-6:30p	Tu	Staff	R-202	Full Semester

This class will meet on campus.

BIOL 111, MARINE BIOLOGY **4.0 UNITS**

This course covers basic concepts of marine ecosystems including oceanographic principles, ecology, and a survey of marine habitats and diversity of marine organisms. Field trips required.

RB 00744	11:55a-1:20p	Tu Th	Morris A	RB	Full Semester
	8:00a-11:10a	Tu	Moore S	R-218	

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

BIOL 212, ANIMAL DIVERSITY AND ECOLOGY **5.0 UNITS**

A study of ecological principles and relationships between animal diversity and ecosystems. Habitat, populations, ecological interactions, and environmental influences are stressed while surveying animal diversity and addressing structure, function, behavior, and adaptation of major taxonomic groups. Required of majors in biology, medicine, forestry and agriculture. Field trips required.

Prerequisite: Biology 211 with a minimum grade of C.

RB 01023	10:00a-11:25a	M W	Morris A	RB	Full Semester
	12:15p-3:25p	M W	Morris A	R-219	

Remote Blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated, rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BIOL 214, PLANT DIVERSITY AND EVOLUTION **5.0 UNITS**

Principles and processes of evolution leading to biodiversity. Survey of the organisms, viruses, prokaryotes, fungi, algae, and plants with emphasis on evolutionary adaptations of the anatomy, physiology, and life cycles of these organisms. Field trips required.

Prerequisite: Biology 211 with a minimum grade of C.

RB 01024	11:55a-1:20p	Tu Th	Chroman L	RB	Full Semester
	1:40p-4:50p	Tu Th	Chroman L	R-219	

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

BIOL 229, GENERAL MICROBIOLOGY **5.0 UNITS**

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

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

RB 00862	12:35p-2:00p	M W	Nguyen T	RB	Full Semester
	2:20p-5:30p	M W	Takahashi M	R-226	

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

RB 00863	12:35p-2:00p	M W	Nguyen T	RB	Full Semester
	6:00p-9:10p	M W	Nguyen T	R-226	

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

RB 00864	3:35p-5:00p	Tu Th	Oertel P	RB	Full Semester
	8:35a-11:45a	Tu Th	Oertel P	R-226	

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

RB 00865	3:35p-5:00p	Tu Th	Oertel P	RB	Full Semester
	12:00p-3:10p	Tu Th	Oertel P	R-226	

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

RB 00867	5:30p-8:40p	F	Lee C	RB	Full Semester
	8:35a-3:05p	Sa	Takahashi M	R-226	

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

BIOL 239, GENERAL HUMAN ANATOMY **4.0 UNITS**

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

RB 00874	7:00a-8:25a	Tu Th	Nair A	RB	Full Semester
	10:20a-1:30p	Tu	Hampton J	R-201	

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

RB 00875	7:00a-8:25a	Tu Th	Nair A	RB	Full Semester
	1:40p-4:50p	Tu	Hampton J	R-201	

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

RB 00876	7:00a-8:25a	Tu Th	Nair A	RB	Full Semester
	10:20a-1:30p	Th	Nair A	R-201	

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

RB 00869	8:35a-10:00a	M W	Hampton J	RB	Full Semester
	11:55a-3:05p	M	Dibernardo L	R-201	

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

RB 00870	8:35a-10:00a	M W	Hampton J	RB	Full Semester
	3:20p-6:30p	M	Nair A	R-201	

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

RB 00871	8:35a-10:00a	M W	Hampton J	RB	Full Semester
	10:20a-1:30p	W	Hampton J	R-201	

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

RB 00872	8:35a-10:00a	M W	Hampton J	RB	Full Semester
	3:20p-6:30p	W	Caldani P	R-201	

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

RB 01016	8:35a-11:45a	Sa	Hampton J	RB	Full Semester
	11:55a-3:05p	Sa	Johnson K	R-201	

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

RB 01017	8:35a-11:45a	Sa	Hampton J	RB	Full Semester
	8:35a-11:45a	F	Hampton J	R-201	

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

RB 01018	8:35a-11:45a	Sa	Hampton J	RB	Full Semester
	1:40p-4:50p	F	Barrios A	R-201	

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

F2F 03458	8:35a-10:00a	M W	Staff	R-128	Full Semester
	10:15a-1:25p	M	Staff	R-202	

This class will meet on campus.

F2F 03461	8:35a-10:00a	M W	Staff	R-128	Full Semester
	10:15a-1:25p	W	Staff	R-202	

This class will meet on campus.

RB 01019	11:55a-3:05p	Sa	Carrillo A	RB	Full Semester
	8:35a-11:45a	Sa	Barrios A	R-201	

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

RB 01020	11:55a-3:05p	Sa	Carrillo A	RB	Full Semester
	5:30p-8:40p	F	Carrillo A	R-201	

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

RB 01014	7:00p-10:10p	Th	Patel D	RB	Full Semester
	7:00p-10:10p	W	Staff	R-201	

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

RB 01015	7:00p-10:10p	Th	Patel D	RB	Full Semester
	3:20p-6:30p	Th	Nair A	R-201	

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

BIOL 249, HUMAN PHYSIOLOGY **4.0 UNITS**

Microscopic, macroscopic, and dynamic view of the human physiological processes. The lecture portion includes a thorough consideration of both "cell and systems" physiology. Laboratory work includes the use of techniques used in basic research, an introduction to the use of standard medical equipment, and the performance of medical laboratory tests. Non-invasive experiments are performed on students enrolled in the class.
Prerequisite: Biology 239 with a minimum grade of C or similar Human Anatomy course.

F2F 03449	8:35a-10:00a	Tu Th	Staff	R-124	Full Semester
	10:15a-1:25p	Tu	Staff	R-202	

This class will meet on campus.

BUSINESS (BUS)

BUS 100, FUNDAMENTALS OF BUSINESS **3.0 UNITS**

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

F2F 00945	8:35a-10:00a	M W	Ursuy C	A-203	Full Semester

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

F2F 00948	10:20a-11:45a	M W	Shweiri G	A-205	Full Semester

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

H 01042			Kowsari A	HYBRID	08/23-10/17
	10:20a-11:45a	Tu Th	Kowsari A	A-203	

OER $ Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

H 01043			Kowsari A	HYBRID	08/23-10/17
	6:00p-9:10p	W	Kowsari A	A-203	

OER $ Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BUS 101, BUSINESS LAW **3.0 UNITS**

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. Intended for transfer to Cal State Northridge. All others see Law 105 and Bus 105. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.

F2F **99900** **6:00p-9:10p** **W** **Liang M** **A-130** **Full Semester**

This class meets on-campus. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)

BUS 105, LEGAL ENVIRONMENT OF BUSINESS **3.0 UNITS**

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. Intended for transfer to most Cal State including Cal State Fullerton. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.

F2F **99901** **6:00p-9:10p** **W** **Liang M** **A-130** **Full Semester**

This class meets on-campus. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.

BUS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS **3.0 UNITS**

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

H **01049** **Kowsari A** **HYBRID** **10/18-12/12**

10:20a-11:45a **Tu Th** **Kowsari A** **A-203**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

BUS 115, GLOBAL SHIPPING AND LOGISTICS **3.0 UNITS**

Learn how to respond to international trade inquiries, understand international trade terms of sale for import and export, and how to calculate landed costs. Learn how to create and issue import and export documents used in selling or buying products globally. Includes the creation and use of actual documents used in global trade. Learn how to ship products internationally and develop a transportation strategy. Learn about transportation terminology, the role of the freight forwarder, transportation documentation, freight cost calculations, major ports of the world, and distribution methods. Create documents for product inspection, health/agricultural registrations, and hazardous materials shipments. Utilize actual documents, software, and resources necessary to effectively complete documentation required for international trade. Get introduced to supply chain management and inventory control.

H **01050** **Shweiri G** **HYBRID** **08/23-10/17**

6:00p-9:10p **Tu** **Shweiri G** **A-203**

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

BUS 116, GLOBAL MARKETING: SELLING AROUND THE WORLD **3.0 UNITS**

Learn how to adapt marketing techniques to international markets, how to develop marketing strategies, and how to target markets based on the cultural, political and economic environments. Learn how to create forecasts and budgets for international markets.

H **01051** **Ursuy C** **HYBRID** **10/18-12/12**

6:00p-9:10p **Tu** **Ursuy C** **A-203**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

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

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

H 01055 **Shweiri G** **HYBRID** **08/23-10/17**

6:00p-9:10p **W** **Shweiri G** **A-207**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BUS 125, INTRODUCTION TO INTERNATIONAL BUSINESS **3.0 UNITS**

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

H 01084 **Kowsari A** **HYBRID** **10/18-12/12**

6:00p-9:10p **W** **Kowsari A** **A-203**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

BUS 130, PERSONAL FINANCE **3.0 UNITS**

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

Prerequisite: Mathematics N48 with a minimum grade of C or placement into Mathematics 083 according to the Santa Ana College Mathematics Department's placement standards.

00384 **6:00p-9:10p** **M** **Rivest C** **A-207** **Full Semester**

This class meets on-campus.

BUS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS **3.0 UNITS**

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

F2F 00388 **10:20a-11:45a** **Tu Th** **Sim J** **A-206** **Full Semester**

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

BUS 222, BUSINESS WRITING **3.0 UNITS**

Overview of oral and written communication skills used in business. Emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high-tech, international business environment.

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

F2F 01091 **10:20a-11:45a** **M W** **Ursuy C** **A-203** **Full Semester**

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

H 01106 **Staff** **HYBRID** **10/18-12/12**

6:00p-9:10p **W** **Staff** **A-207**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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

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

Low cost or free textbooks:

OER

ZTC

HONORS

BUSINESS APPLICATIONS (BA)

BA 110, COMPUTER KEYBOARDING SKILLS **0.5 UNIT**

This course is the first step in learning proper keyboarding techniques with accuracy using correct hand and finger positioning. Students will follow step-by-step instructions for all alphabet, punctuation, enter/return, and capitalization using shift keys. Typing correctly without errors will provide the skills necessary to develop speed with accuracy.

F2F **03073** **1:00p-1:50p** **Tu Th F** **Skaggs T** **STHS** **Full Semester**

This class meets on-campus.

BA 125, MICROSOFT WORD **2.0 UNITS**

Learn the most efficient methods of creating, editing, formatting, and printing professional business documents faster and easier. Beginners as well as experienced Word users will benefit from learning proper file setup and shortcuts using current business standards. Students will master basic skills and learn advanced features and techniques to produce a wide variety of documents including resumes, newsletters, and brochures. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

Software Utilized: MS Word 2019

H **00795** **Morgan A** **HYBRID** **08/23-10/17**

11:20a-12:10p **M W** **Morgan A** **A-224**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00796** **Morgan A** **HYBRID** **08/23-10/17**

1:40p-2:30p **M W** **Morgan A** **A-224**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00797** **Morgan A** **HYBRID** **08/23-10/17**

11:20a-12:10p **Tu Th** **Morgan A** **A-224**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00798** **Manzano M** **HYBRID** **08/23-10/17**

1:40p-2:30p **Tu Th** **Manzano M** **A-224**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

BA 158, INTRODUCTION TO DRONES **1.5 UNITS**

Introduction to using drones for commercial and recreational use. Learn how to fly drones safely and legally. Topics include types of drones, taking photos, recording videos, live stream for social media, FAA regulations, Part 107 remote pilot license and exam information, drone registration, preflight, and problem solve flight situations. Learn about the many careers and industries using drones (public safety, investigations, construction, engineering, inspections, real estate, marketing, media, delivery, insurance). Do not need to own or purchase a drone to take this course. Course is designed for beginning and experienced drone users.

H **00850** **Ostrowski E** **HYBRID** **08/23-10/17**

OER **3:15p-5:00p** **W** **Ostrowski E** **A-130**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Drones provided for this on-campus class.

BA 159, DRONES FOR MAPPING **2.0 UNITS**

Learn how drones are used for terrain modeling, surveying, and mapping such as topography, site development, volume measurements, and contour elevation creation. Students will also learn the intricacies of mapping with drones and how it correlates with GPS technology. Course topics include Part 107 regulations, field drone mapping protocols, and drone mapping data processing. GEOG 101 or GEOG 155 is recommended. Course designed for beginning and experienced drone users. Drones provided in class.

H **00853** **Ostrowski E** **HYBRID** **10/18-12/12**

OER **3:15p-5:00p** **W** **Ostrowski E** **A-130**

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Drones provided for this on-campus class.

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

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

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

Low cost or free textbooks:

OER **OER**

ZTC

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BA 161, INTRODUCTION TO DRONE LAWS **0.5 UNIT**

An introduction to drone laws for first responder, public safety, commercial and recreational drone users. Topics include the application of federal, state and local laws, third party liability issues, and basics of public safety drone law issues.

F2F **02507**	**7:00a-12:00p**	**Sa**	**Staff**	**OCSD**	**09/18-09/18**
	1:00p-5:00p	**Sa**	**Staff**	**OCSD**	

This class meets on-campus, 15991 Armstrong Avenue, Tustin, CA 92782.

F2F **02508**	**7:00a-12:00p**	**Sa**	**Staff**	**OCSD**	**10/16-10/16**
	1:00p-5:00p	**Sa**	**Staff**	**OCSD**	

This class meets on-campus, 15991 Armstrong Avenue, Tustin, CA 92782.

BA 181, EVERYONE CAN CODE WITH APPLE **2.0 UNITS**

Learn about mobile business applications, what it takes to develop a mobile app for your business, and how to market your business app successfully. This is an introductory course in using an Apple visual-based application software to create mobile applications for Apple products such as iPhone and Apple Watch. Students will use an iPad to explore fundamental concepts using application technology to build mobile apps for a business and inspire new career possibilities in business technology.

F2F **00891**	**3:30p-5:35p**	**M W**	**Ho N**	**A-222**	**10/18-12/08**

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

BA 190, MICROSOFT POWERPOINT **2.0 UNITS**

Learn the latest features and techniques in creating captivating business slide presentations. Beginning and experienced PowerPoint users will benefit from learning proper file setup and professional presentation tips using current business standards. Topics include slide animation, transitions, and inserting tables, charts, images, videos, and audio. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

Software Utilized: MS PowerPoint 2016

H **00900**			**Morgan A**	**HYBRID**	**10/18-12/12**
	11:20a-12:10p	**M W**	**Morgan A**	**A-224**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00901**			**Morgan A**	**HYBRID**	**10/18-12/12**
	1:40p-2:30p	**M W**	**Morgan A**	**A-224**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00902**			**Morgan A**	**HYBRID**	**10/18-12/12**
	11:20a-12:10p	**Tu Th**	**Morgan A**	**A-224**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H **00903**			**Manzano M**	**HYBRID**	**10/18-12/12**
	1:40p-2:30p	**Tu Th**	**Manzano M**	**A-224**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

CHEMISTRY (CHEM)

CHEM 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS **4.0 UNITS**

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in lab through inquiry and further developed during discussion.

F2F **01692**	**7:00a-10:10a**	**M**	**Pratt C**	**R-302**	**Full Semester**
	7:00a-10:10a	**W**	**Pratt C**	**R-302**	

This class will meet on campus.

CHEM 209, INTRODUCTORY CHEMISTRY **4.0 UNITS**

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

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

F2F **03480**	**7:00a-10:10a**	**W**	**Van Wart A**	**R-126**	**Full Semester**
	7:00a-10:10a	**M**	**Van Wart A**	**R-301**	

This class will meet on campus.

F2F **03482**	**7:00p-10:10p**	**M**	**Skinner M**	**R-126**	**Full Semester**
	7:00p-10:10p	**W**	**Skinner M**	**R-301**	

This class will meet on campus.

CHEM 210, GENERAL, ORGANIC AND BIOCHEMISTRY **5.0 UNITS**

An introduction to the fundamental concepts of general, organic and biochemistry for majors in nursing and other allied health majors. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons, alcohol, aldehydes, ketones, carboxylic acids, carbohydrates, proteins, lipids, nucleic acids and metabolism.

Prerequisite: Chemistry 209 with a minimum grade of C OR passing grade on current chemistry placement exam and Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

RB **00547**	**10:40a-12:30p**	**M W**	**Raval G**	**RB**	**Full Semester**
	7:00a-10:10a	**W**	**Raval G**	**R-301**	

OER $ Remote Blended. Students attend virtually on Canvas and meet for on-campus lab instruction during the days and times indicated, rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CHEM 219, GENERAL CHEMISTRY **5.0 UNITS**

Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.

Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C and Chemistry 209 with a minimum grade of C or a passing score on current chemistry placement test.

RB **00562**	**8:35a-10:00a**	**M W**	**Mandir J**	**RB**	**Full Semester**
	10:40a-1:50p	**M W**	**Mandir J**	**R-309**	

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

RB **00567**	**8:45a-10:10a**	**Tu Th**	**McAdam J**	**RB**	**Full Semester**
	10:40a-1:50p	**Tu Th**	**McAdam J**	**R-309**	

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

RB **00569**	**8:45a-10:10a**	**Tu Th**	**McAdam J**	**RB**	**Full Semester**
	2:20p-5:30p	**Tu Th**	**McAdam J**	**R-309**	

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

RB **00560**	**10:40a-12:05p**	**M W**	**Geragotelis A**	**RB**	**Full Semester**
	7:00a-10:10a	**M W**	**Geragotelis A**	**R-309**	

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

03624	**12:25p-1:50p**	**M W**	**McMillan J**	**R-318**	**Full Semester**
	2:20p-5:30p	**M W**	**McMillan J**	**R-309**	

This class will meet on campus.

RB **00566**	**5:00p-6:25p**	**M W**	**Visco L**	**RB**	**Full Semester**
	7:00p-10:10p	**M W**	**Visco L**	**R-309**	

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

RB 00570	5:00p-6:25p	Tu Th	Nguyen W	RB	Full Semester
	7:00p-10:10p	Tu Th	Nguyen W	R-309	

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

CHEM 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS **5.0 UNITS**

Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.

Prerequisite: Chemistry 219 with a minimum grade of C.

RB 00572	10:40a-12:05p	Tu Th	Mandir J	RB	Full Semester
	7:00a-10:10a	Tu Th	Mandir J	R-301	

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

RB 00571	2:20p-3:45p	M W	McAdam J	RB	Full Semester
	10:40a-1:50p	M W	McAdam J	R-301	

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

CHEM 249, ORGANIC CHEMISTRY I **5.0 UNITS**

This course is the first semester of a year of organic chemistry. This course will cover: structure and bonding, nomenclature, descriptive chemistry, reaction mechanisms, synthetic methods and IR spectroscopy for different functional groups including alkanes, alkenes, alkynes, alkyl halides, organometallics, alcohols, and ethers. Laboratory will include: separations/purifications identification, and simple syntheses.

Prerequisite: Chemistry 229 with a minimum grade of C.

RB 00573	8:35a-10:00a	M W	Jenkins C	RB	Full Semester
	10:30a-1:40p	M W	Jenkins C	R-302	

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

RB 00574	8:35a-10:00a	Tu Th	Nguyen W	RB	Full Semester
	10:30a-1:40p	Tu Th	Nguyen W	R-302	

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

RB 00575	5:00p-6:25p	Tu Th	Yamada T	RB	Full Semester
	7:00p-10:10p	Tu Th	Yamada T	R-302	

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

CHEM 259, ORGANIC CHEMISTRY II **5.0 UNITS**

This course is the second semester of a year of organic chemistry (continuation of Chemistry 249). It includes units on structure elucidation, aromatic compounds, carbonyl compounds, carboxylic acids and their derivatives, amines, and classes of biologically important compounds. More complex synthetic routes are explored. Laboratory work includes multi-step syntheses and unknown identification. Reaction mechanisms and use of spectroscopic techniques continue to be emphasized.

Prerequisite: Chemistry 249 with a minimum grade of C.

RB 00576	5:00p-6:25p	M W	Jenkins C	RB	Full Semester
	7:00p-10:10p	M W	Jenkins C	R-302	

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

COMMUNICATION STUDIES (CMST)

CMST 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION **3.0 UNITS**

Introduction to communication theory, rhetoric, listening, perception, language usage, nonverbal communication, and conflict management. Students participate in oral and written exercises and simulations; these activities are designed to enhance communicative awareness and skills in interpersonal contexts. It is designed to assist students in improving their own interpersonal and oral communication skills.

Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H with a minimum grade of C.

F2F	00024	10:20a-11:45a	M W	Cummings R	I-103	Full Semester

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

F2F	00022	11:55a-1:30p	M W	Carrell K	A-213	Full Semester
F2F	00025	11:55a-1:20p	M W	Wagner S	I-103	Full Semester
F2F	00036	11:55a-1:20p	Tu Th	Labreau K	C-213	Full Semester
F2F	00164	11:55a-1:20p	Tu Th	Pierce C	C-202	Full Semester

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

F2F	00184	11:55a-1:20p	Tu Th	Saterfield K	C-214	Full Semester
F2F	00017	6:00p-9:10p	Tu	Carrell K	C-202	Full Semester
F2F	00188	6:40p-9:50p	M	Ortega V	C-214	Full Semester
F2F	00015	6:45p-10:05p	M W	Bugrov M	D-210	10/18-12/12

CMST 101H, HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION **3.0 UNITS**

Introduction to communication theory, rhetoric, listening, perception, language usage, non-verbal communication and conflict management. An enriched approach designed for honors students. Seminar mode stresses the development of analytical thinking, writing, and speaking skills.

F2F	00037	11:55a-1:20p	Tu Th	Labreau K	C-213	Full Semester

CMST 102, PUBLIC SPEAKING **3.0 UNITS**

Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations.

F2F	00030	7:00a-8:25a	Tu Th	Jones C	C-214	Full Semester
F2F	00031	7:00a-8:25a	M W	Jones C	C-214	Full Semester
F2F	00176	8:35a-10:00a	Tu Th	Rehm D	C-214	Full Semester
F2F	00064	10:20a-11:45a	M W	Lopez R	C-202	Full Semester
F2F	00170	10:20a-11:45a	Tu Th	Pierce C	C-207	Full Semester
F2F	00013	11:55a-3:15p	M W	Ayala E	I-104	10/18-12/12
F2F	00062	11:55a-1:20p	M W	Lopez R	C-213	Full Semester
F2F	00163	11:55a-1:20p	M W	Sifuentes M	C-202	Full Semester
F2F	00173	11:55a-1:20p	Tu Th	Rehm D	C-207	Full Semester
F2F	00038	1:40p-3:05p	Tu Th	Labreau K	C-207	Full Semester
F2F	00185	2:30p-5:40p	Tu	Saterfield K	C-202	Full Semester
F2F	00005	3:20p-4:45p	M W	Ayala E	I-103	Full Semester
F2F	00021	6:45p-10:05p	M W	Bugrov M	C-207	08/23-10/17

CMST 103, INTRODUCTION TO INTERCULTURAL COMMUNICATION **3.0 UNITS**

A general view of the sociological, psychological, and communication patterns of various cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural, crosscultural, and interracial communication. Stresses the development of analytical thinking, speaking, and writing skills.

F2F	00177	10:20a-11:45a	Tu Th	Rehm D	C-202	Full Semester
F2F	00186	10:20a-11:45a	Tu Th	Saterfield K	C-214	Full Semester
F2F	00189	3:20p-6:30p	M	Sifuentes M	C-207	Full Semester

CMST 140, ARGUMENTATION AND DEBATE **3.0 UNITS**

Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues.

Recommended Preparation: Completion of or concurrent enrollment in English 101 recommended. Communication Studies 097 recommended for non-native speakers.

F2F 00057	8:35a-10:00a	M W	Lockwood L	C-207	Full Semester
F2F 00048	1:40p-4:50p	Tu Th	Lockwood L	C-214	10/18-12/12
F2F 00061	1:40p-4:50p	Tu Th	Lockwood L	C-214	08/23-10/17
F2F 00171	1:40p-3:05p	Tu Th	Pierce C	I-103	Full Semester

CMST 145, GROUP DYNAMICS **3.0 UNITS**

Principles and methods of communication as applied in the small group setting. Emphasis on communication skills, processes, and operations in the small group. Includes understanding group dynamics and cooperative problem solving.

Recommended Preparation: Recommended Communication Studies 097 for non-native speakers.

F2F 00043	3:20p-6:30p	Tu	Labreau K	C-207	Full Semester
F2F 00067	6:40p-10:00p	M W	Staff	C-207	10/18-12/12
F2F 00190	6:40p-9:50p	W	Wagner S	C-214	Full Semester

CMST 151, VOICE AND DICTION FOR EFFECTIVE COMMUNICATION **3.0 UNITS**

Basic speech and voice production. Anatomy and physiology related to respiration (breathing/loudness), phonation (sound/pitch) and articulation (diction/clarity). Practice in improving vocal skills for effective communication. Designed for individuals who have special demands on vocal production in their vocation.

Recommended Preparation: Communication Studies 097 recommended for non-native speakers.

F2F 00032	6:40p-9:50p	Tu	Kanal N	C-207	Full Semester

COMMUNICATIONS & MEDIA STUDIES (CMSD)

CMSD 103, INTRODUCTION TO VISUAL COMMUNICATIONS **3.0 UNITS**

This multimedia course explores the social, cultural and historical implications of visual communications from Gutenberg's printing press to present day digital media. Using works of philosophical, historical and cultural importance students will analyze and debate the changes in the way visual communications affect society, and shape cultural values.

F2F 01349	8:35a-10:00a	M W	Bennett S	A-130	Full Semester

There is no additional textbook cost for this ZTC class.

CMSD 105, MASS MEDIA AND SOCIETY **3.0 UNITS**

Exploration of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Examines major media forms, theories and effects in our information-conscious culture.

F2F 01351	11:55a-1:20p	Tu Th	Bennett S	A-210	Full Semester

CMSD 123A, NEWS MEDIA PRODUCTION **4.0 UNITS**

A production-based course designed around a functioning media organization, providing students practical training in print, digital and Web-based media through work as members of the campus news magazine el Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Arranged laboratory hours (TBA) 10 hours per week.

F2F 01365	12:35p-2:40p	M W	Bennett S	C-207	Full Semester

11hr 15min arranged each week

CMSD 123B, INTERMEDIATE NEWS MEDIA PRODUCTION **4.0 UNITS**

An intermediate level production-based course designed around a functioning media organization, providing students practical training in print, digital and web-based media through work as members of the campus news magazine el Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of Communicatons & Media Studies 123A is required. Arranged laboratory hours (TBA)10 hours per week.

Prerequisite: Communications & Media Studies 123A with a minimum grade of C or equivalent college media course.

F2F 01366	12:35p-2:40p	M W	Bennett S	C-207	Full Semester

11hr 15min arranged each week

CMSD 123C, ADVANCED INTERMEDIATE NEWS MEDIA PRODUCTION **4.0 UNITS**

An advanced intermediate level production-based course designed around a functioning media organization, providing students practical training in print, digital and Web-based media through work as members of the campus news magazine el Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of Communicatons & Media Studies 123B required. Arranged laboratory hours (TBA)10 per week

Prerequisite: Communications & Media Studies 123B with a minimum grade of C or equivalent college media course.

F2F **01367**	**12:35p-2:40p**	**M W**	**Bennett S**	**C-207**	**Full Semester**

11hr 15min arranged each week

CMSD 150, INTRODUCTION TO PUBLIC RELATIONS **3.0 UNITS**

An exploration of the principles, history and development, and professional practice of modern public relations. Includes concepts of planning and executing effective communication strategies, including message design and distribution, for any organization.

F2F **01364**	**10:20a-11:45a**	**M W**	**Bennett S**	**C-207**	**Full Semester**

CMSD 201, VISUAL REPORTING **2.0 UNITS**

This course stresses how to perceive and select visual images through work with a digital camera, a computer, and related digital media & graphics software. Students learn the application and manipulation of images in digital form by focusing on telling stories through pictures and informational graphics. Students serve as visual reporters for campus media.

F2F **01368**	**12:35p-1:25p**	**M W**	**Bennett S**	**C-207**	**Full Semester**

1 hour arranged each week.

CMSD 210, INTERMEDIATE REPORTING AND NEWSWRITING **3.0 UNITS**

This course is a continuation of Introduction to Newswriting and Reporting and focuses on coverage of public affairs reporting, including local and regional government, police, courts, school, and city boards. It includes both on- and off-campus reporting and writing, stressing news presentation for a variety of media purposes through multiple platforms.

Prerequisite: Communications & Media Studie 121 with a minimum grade of C.

F2F **01371**	**12:35p-2:00p**	**M W**	**Bennett S**	**C-207**	**Full Semester**

CMSD 222, WRITING ACROSS MEDIA **3.0 UNITS**

For writing students seeking a better understanding of non-fictional prose genres focusing on narrative storytelling techniques for Web, Multimedia and Print. Emphasizes integration of writing skills across media formats.

Prerequisite: English 101, 101H or Communications & Media Studies 121 with a minimum grade of C.

F2F **01372**	**12:35p-2:00p**	**M W**	**Bennett S**	**C-207**	**Full Semester**

COMPUTER SCIENCE (CMPR)

CMPR 100, THE COMPUTER AND SOCIETY **3.0 UNITS**

An introduction to the area of computers and their relationship to todays' information society. Examines a broad overview of topics including hardware, software, networking, information technology, and the Internet. The student will explore the implication and effect of technology on society, careers, and ethics.

Software Utilized: MS Office 2019/365

F2F **00398**	**6:00p-9:10p**	**W**	**Sim J**	**A-206**	**Full Semester**

This class meets on-campus.

CMPR 105, VISUAL BASIC PROGRAMMING **3.0 UNITS**

Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience required. Students will write programs on PC compatible computers.

Software Utilized: Microsoft Visual Basic.NET

F2F **00412**	**3:20p-4:45p**	**Tu Th**	**Sim J**	**A-206**	**Full Semester**

This class meets on-campus.

F2F **00413**	**6:00p-9:10p**	**Tu**	**Sim J**	**A-206**	**Full Semester**

This class meets on-campus.

CMPR 112, JAVA PROGRAMMING **3.0 UNITS**

Study of the Java language, its features and applications.

Software Utilized: Java 2 SDK V 1.4.2

F2F **00414**	**10:20a-11:45a**	**M W**	**Quach N**	**A-208**	**Full Semester**

This class meets on-campus.

CMPR 113, ADVANCED JAVA **3.0 UNITS**

This course will introduce Text Processing, Inheritance, Exception's I/O, Intro and Advanced GUI Applications, Arrays, Advanced Classes and Database Connections using Java Database Connectivity (JDBC). Students should already have knowledge of Java in Decision Making using If Conditional Statements, Basic Loops, Creating Methods and Creating Classes.

Prerequisite: Computer Science 112 with a minimum grade of C.

F2F **00415**	**6:00p-9:10p**	**M**	**Quach N**	**A-208**	**Full Semester**

This class meets on-campus.

CMPR 120, INTRODUCTION TO PROGRAMMING **3.0 UNITS**

Introduction to programming concepts including data types, mathematical operations, elementary input/output, and the basic control structures of sequence, selection, iteration, and functions. Program design techniques utilizing structured and object-oriented methodologies will be emphasized.

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

F2F **00435**	**8:00a-9:25a**	**Tu Th**	**Quach N**	**A-208**	**Full Semester**
	9:25a-9:55a	**Tu Th**	**Quach N**	**A-208**	

This class meets on-campus.

F2F **00427**	**10:20a-11:45a**	**M W**	**Hester B**	**A-215**	**Full Semester**
	11:45a-12:15p	**M W**	**Hester B**	**A-215**	

This class meets on-campus.

F2F **00440**	**6:00p-9:10p**	**Tu**	**Kirscher J**	**A-215**	**Full Semester**
	9:10p-10:10p	**Tu**	**Kirscher J**	**A-215**	

This class meets on-campus.

CMPR 121, PROGRAMMING CONCEPTS **3.0 UNITS**

Continuing introduction to programming concepts, development of algorithms utilizing functions, classes, and the primary control structures. Program I/O; strings and arrays; data types; classes, and objects. Documentation techniques.

Prerequisite: Computer Science 120 with a minimum grade of C.

Software Utilized: MS Visual C++.NET

F2F **00445**	**10:20a-11:45a**	**Tu Th**	**Quach N**	**A-208**	**Full Semester**
	11:45a-12:15p	**Tu Th**	**Quach N**	**A-208**	

This class meets on-campus.

F2F **00449**	**6:00p-9:10p**	**W**	**Quach N**	**A-208**	**Full Semester**
	9:10p-10:10p	**W**	**Quach N**	**A-208**	

This class meets on-campus.

CMPR 125, HELP DESK FUNDAMENTALS **3.0 UNITS**

Introduction to Help Desk "soft skills," such as effective communication, analytical thinking, diplomacy, problem solving, leadership, team building, and listening skills. In addition to learning necessary soft skills, students will be familiar with a help-desk environment, its function and organization.

F2F **00450**	**6:00p-9:10p**	**Tu**	**Nguyen H**	**A-213**	**Full Semester**

This class meets on-campus.

CMPR 129, INTRODUCTION TO COMPUTER ORGANIZATION **4.0 UNITS**

Presents the organization and structure of computers at hardware and software levels: analysis and synthesis of combinatorial and sequential logic, data representation and manipulation, language structures and translation, and process administration and management. Recommended preparation: Computer Science 121 or equivalent.

Prerequisite: Computer Science 120 with a minimum grade of C.

Software Utilized: Pep8

F2F **00451**	**6:00p-10:15p**	**Th**	**Morales Lagunes C**	**A-208**	**Full Semester**

This class meets on-campus.

CMPR 131, DATA STRUCTURES CONCEPTS **3.0 UNITS**

Application of simple Data Structures Concepts (ADT's) including linked structures, stacks, queues, and trees. Use of pointers, recursion, sorting algorithms, classes, and object-oriented programming to implement data structures.
Prerequisite: Computer Science 121 with a minimum grade of C.

Software Utilized: MS Visual C++.NET

F2F **00942**	**11:55a-1:20p**	**M W**	**Quach N**	**A-208**	**Full Semester**

This class meets on-campus.

CMPR 134, MICROSOFT WINDOWS OPERATING SYSTEM **3.0 UNITS**

Microsoft Windows operating system. Course topics include installation, configuration, application installation and management, hardware configurations, file and information management, security, managing user accounts, networking, digital media, system maintenance and management, desk top management, and utilization of cloud storage.

F2F **00469**	**6:00p-9:10p**	**Th**	**Sim J**	**A-206**	**Full Semester**

This class meets on-campus.

CMPR 138, COMPTIA NETWORK+ GUIDE TO NETWORKS **3.0 UNITS**

This course prepares students how to install, configure, and troubleshoot a computer network is a highly marketable and exciting skill. This course first introduces the fundamental building blocks that form a modern network, such as protocols, media, topologies, and hardware. It then provides in depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, virtual networks, security, and troubleshooting. Student will be prepared to pass CompTIA's Network+ N10-006 certification exam.

F2F **00470**	**6:00p-9:10p**	**W**	**Nguyen H**	**A-214**	**Full Semester**

This class meets on-campus.

CMPR 153, A+ ESSENTIALS HARDWARE **3.0 UNITS**

The A+ Essentials Hardware course maps to CompTIA's A+ Essentials Hardware exam. Course covers topics related to installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and performing preventive maintenance of basic personal computer hardware. Lecture and hands-on experience in structured labs is included. The A+ Essentials Hardware course teaches necessary competencies for an entrylevel IT professional. Topics include Personal Computer Components, Operating Systems, Networks, Security. Lecture and hands-on experience in structured labs is included. The A+ Essentials Hardware course maps to CompTIA's A+ Essentials Hardware exam.

H **00476**			**Nguyen H**	**HYBRID**	**10/18-12/12**
	6:00p-9:10p	**M**	**Nguyen H**	**A-214**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

CMPR 154, A+ ESSENTIALS SOFTWARE **3.0 UNITS**

The A+ Essentials Software course teaches necessary competencies for an entry-level IT professional. Topics include Personal Computer Components, Operating Systems, Networks, and Security. Lecture and hands-on experience in structured labs is included. The A+ Essentials Software course maps to CompTIA's A+ Essentials exam.

H **00479**			**Nguyen H**	**HYBRID**	**08/23-10/17**
	6:00p-9:10p	**M**	**Nguyen H**	**A-214**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

CMPR 175, COMPTIA SECURITY+ GUIDE TO NETWORK SECURITY **3.0 UNITS**

This course provides a comprehensive overview of network and information security topics such as threats, attacks, vulnerabilities, application/data/infrastructure security, cryptography, operational/organizational security, risk management, disaster recovery, business continuity, as well as computer forensics. The contents also map to the CompTIA Security+ certification objectives to prepare students for the exam. Recommended Preparation: CMPR 138 with a minimum grade of C
Recommended Preparation: Computer Science 138 with a minimum grade of C.

F2F **00485**	**6:00p-9:10p**	**Th**	**Nguyen H**	**A-213**	**Full Semester**

This class meets on-campus.

COUNSELING (CNSL)

CNSL 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT **2.0 UNITS**

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

F2F 03561	1:00p-3:05p	M	Gilmour D	I-108	Full Semester

CNSL 104, PERSONAL AND GOAL DEVELOPMENT FOR EDUCATIONAL PLANNING **1.0 UNIT**

This course will facilitate the development of goals for educational planning. Students taking this course will receive an overview of graduation requirements, transfer requirements, academic policies, and college resources. Additional topics will include: student development theory, internal and external influences on educational success, purpose for attending college, and strategies for living a balanced life.

F2F 98728	9:00a-11:05a	F	Cutkomp J	R-113	08/23-10/17

MESA program

CNSL 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION **3.0 UNITS**

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

Material Fee(s): $16.00

F2F 98768	11:55a-1:20p	Tu Th	Kelley M	I-108	Full Semester

OER Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

F2F 98756	7:00p-10:10p	M	Peraza D	I-108	Full Semester

OER Material Fee: $16.00 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 121, INTRODUCTION TO STEM STUDY SKILLS **1.0 UNIT**

This course is designed to introduce specialized study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be examined through facilitated, structured peer interaction; strategies for complex problem solving; time management; and overcoming obstacles to achievement in rigorous coursework.

F2F 98777	11:20a-1:25p	F	Cutkomp J	R-113	08/23-10/17

STEM program

CNSL 155, SKILLS FOR THE HELPING PROFESSIONS **3.0 UNITS**

An exploration of processes for increasing mental flexibility and assisting people in getting resolution on life issues. Focus is on the theory and practice of methods which are based in inquiry, distinction, resolution, and integration. The role of self-responsibility and self-awareness will be emphasized.

F2F 99224	9:00a-12:10p	F	Gilmour D	I-206	Full Semester
F2F 98782	6:00p-9:10p	M	Gilmour D	I-206	Full Semester

CRIMINAL JUSTICE (CJ)

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

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

00246	6:40p-9:50p	M	Huskey J	R-128	Full Semester

CJ 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM **3.0 UNITS**

An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents.

00437	6:40p-9:50p	W	Huskey J	R-128	Full Semester

CJ 108, CRIME SCENE INVESTIGATION **3.0 UNITS**

An introduction to the role of forensics in criminal investigations. An examination of the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents, and controlled substances.

F2F	00242	8:35a-11:45a	F	Maiocco M	R-128	Full Semester

CJ 220, JUVENILE DELINQUENCY AND CONTROL **3.0 UNITS**

An examination of the origin, development, and organization of the juvenile justice system. Explores the theories that focus on juvenile law, courts, and processes, and the constitutional protections extended to juveniles within the US justice system.

F2F	00293	8:35a-11:45a	M	Jenkins M	R-126	Full Semester

CRIMINAL JUSTICE ACADEMIES (CJA)

CJA 009B, FITNESS FOR LAW ENFORCEMENT **0.1 UNIT**

Fitness training designed specifically for law enforcement applicants and those with an interest in entering a law enforcement basic police academy program.

Open Entry / Open Exit

F2F	99890	6:00p-9:00p	M	Stevens H	CJTC-SD	08/23-09/20
		8:00a-12:00p	Sa	Staff	CJTC-SD	

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

This course is designed to prepare students to successfully complete a law enforcement pre-employment application and testing procedures.

F2F	99894	8:00a-12:00p	Sa	Stevens H	CJTC-SD	10/05-10/31
		5:30p-9:30p	Tu Th	Staff	CJTC-SD	

CJA 026A, TRAINING ACADEMY PREPARATION **0.2 UNIT**

This course is designed to prepare the student for the Basic Law Enforcement Academy (OCSA). It will include drill, ceremony, physical training, reporting, and speeches.

Open Entry / Open Exit

F2F	99893	7:00a-4:00p	Sa	Stevens H	CJTC-SD	09/25-10/02

CJA 050, INTRODUCTION TO DRONE LAWS **0.5 UNIT**

An introduction to drone laws for first responder, public safety, commercial and recreational drone users. Topics include the application of federal, state and local laws, third party liability issues, and basics of public safety drone law issues.

F2F	02497	7:00a-12:00p	Sa	Staff	OCSD	09/18-09/18
		1:00p-5:00p	Sa	Staff	OCSD	
F2F	02500	7:00a-12:00p	Sa	Staff	OCSD	10/16-10/16
		1:00p-5:00p	Sa	Staff	OCSD	

CJA 099, OCSD BASIC PRE-ACADEMY **2.5 UNITS**

The course is designed to familiarize students with the duties and responsibilities associated with attending a basic police academy. Course instruction will include Drill and Ceremony, Introduction to Report Writing, Academy Protocol, Physical Training, and Program Overview.

Open Entry / Open Exit

F2F	02182	7:00a-1:00p	M Tu	Staff	CJTC-SD	10/04-10/22
		7:00a-4:00p	W Th F	Staff	CJTC-SD	

CJA 099A, BASIC POLICE ACADEMY **29.5 - 31.5 UNITS**

Student will receive instruction in all areas of criminal justice, as required by California Peace Officers Standards and Training (CA POST), for entry-level law enforcement officers. This course is offered in partnership with the Orange County Sheriff's Department.

F2F	02191	7:00a-4:00p	M Tu	Staff	CJTC-SD	10/25-04/22
		7:00a-4:00p	W Th F	Staff	CJTC-SD	

CULINARY ARTS (CULN)

CULN 120, INTRODUCTION TO CULINARY SKILLS & PRINCIPLES **3.0 UNITS**

Students will explore the fundamental skills of food preparation, kitchen organization, and basic cooking techniques, emphasizing in quality and professional standards used in a modern commercial kitchen. Laboratory work will include knife skills, stocks, broths, soups, sauces, and basic cooking techniques for vegetables, starches, meat, seafood, and poultry.

F2F **00595**	**9:00a-11:05a**	**Th**	**Heremans T**	**T-212**	**Full Semester**
	11:15a-2:25p	**Th**	**Heremans T**	**T-212**	

This course has a LAB prerequisite that can be waived if student holds a valid Food Handler's Card. Please email Tiffany Heremans (heremans_tiffany@sac.edu)for more information.

CULN 140, INTRODUCTION TO BAKING & PASTRY **3.0 UNITS**

This course covers fundamental baking skills for students who intend to specialize in baking and pastry making for commercial production. Production of yeast and quick breads, cakes, cookies, pies, and pastries, as well as decorating and icings are undertaken. Gourmet baked items and pastries are produced in a time-restricted quality-minded setting. This course is for students pursuing a career in culinary arts/culinary management, and will prepare students for entry level baking position in the food industry as a baker or pastry chef.

RB **03253**	**1:50p-3:55p**	**M**	**Heremans T**	**RB**	**Full Semester**
	3:30p-6:40p	**Tu**	**Heremans T**	**VHS**	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lab instruction during the days and times indicated. The Lab will be held at Santa Ana Valley High School. This course has a prerequisite that can be waived if student holds a valid Food Handler's card. Please email Tiffany Heremans (heremans_tiffany@sac.edu)for more information. Students are required to logon to Canvas on the first day of classes. rsccd.instructure.com

CULN 230, HEALTHY AMERICAN CUISINE **2.0 UNITS**

This course will be a culinary tour of America including food identification and traditional cooking methods with a healthy alternative. This course focuses on a regional perspective of healthy American cuisine. Students will have the opportunity to produce regional specialties while researching the influence of culture. Students participating in the Culinary Arts cooking courses MUST provide proof of negative TB skin test (or normal chest x-ray within the past 4 years).

F2F **03173**	**2:15p-2:40p**	**Tu W Th**	**Costa P**	**OCSA**	**Full Semester**
	2:45p-3:50p	**Tu W Th**	**Costa P**	**OCSA**	

This class is taught face-to-face at the Orange County School of the Arts (OCSA), located at 1010 North Main Street, Santa Ana, CA, 92701.

CULN 240, VEGETARIAN CUISINE **2.0 UNITS**

This course develops an understanding of the basic principles and techniques of vegetarian (lacto, ovo-lacto, vegan, and raw foods) food preparation. Students participating in the Culinary Arts cooking courses MUST provide proof of negative TB skin test (or normal chest x-ray within the past 4 years).

H **03170**			**Heremans T**	**HYBRID**	**Full Semester**
	9:00a-12:10p	**Tu**	**Heremans T**	**T-212**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DANCE (DNCE)

DNCE 009A, DANCE LABORATORY I **0.5 UNIT**

Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances, and/or choreographic projects. Beginning level assignments change every semester. 27 hour earns 0.5 unit. Requires audition or instructor approval prior to enrollment.

Open Entry / Open Exit

F2F **01339**	**TBA**		**Gillette H**	**G-108**	**Full Semester**

27 hours arranged per semester.

DNCE 009B, DANCE LABORATORY II **0.5 UNIT**

Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances and/or choreographic projects. Beginning-intermediate level assignments change every semester. 27 hour earns 0.5 unit. Requires audition or instructor approval prior to enrollment.

Prerequisite: Dance 009A with a minimum grade of C. Requires audition or instructor approval prior to enrollment.

Open Entry / Open Exit

F2F	**01340**	**TBA**	**Gillette H**	**G-108**	**Full Semester**

27 hours arranged per semester.

DNCE 009C, DANCE LABORATORY III **0.5 UNIT**

Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate level assignments change every semester.

Prerequisite: Dance 009B with a minimum grade of C.

Open Entry / Open Exit

F2F	**01341**	**TBA**	**Gillette H**	**G-108**	**Full Semester**

27 hours arranged per semester.

DNCE 009D, DANCE LABORATORY IV **0.5 UNIT**

Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate-advanced level assignments change every semester.

Prerequisite: Dance 009C with a minimum grade of C.

Open Entry / Open Exit

F2F	**01342**	**TBA**	**Gillette H**	**G-108**	**Full Semester**

27 hours arranged per semester.

DNCE 100, DANCE HISTORY AND APPRECIATION **3.0 UNITS**

The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21th Century. Emphasizes the contemporary dance heritage of the United States.

F2F	**01343**	**10:20a-11:45a**	**M W**	**Alduenda L**	**A-130**	**Full Semester**
F2F	**01344**	**10:20a-11:45a**	**Tu Th**	**Alduenda L**	**I-206**	**Full Semester**

DNCE 102, INTRODUCTION TO DANCE FORMS **3.0 UNITS**

An introduction to historical and contemporary dance forms through lecture and activity. Experience in ballet, modern, jazz, hip-hop, improvisation, folk, ethnic and/or ritual dance styles. Recommended for future teachers.

H	**01346**		**Garcia R**	**HYBRID**	**Full Semester**
		9:00a-10:25a	**M W**	**Garcia R**	**G-108**

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DNCE 105, WORLD DANCE AND CULTURES **3.0 UNITS**

Dance around the world is studied in its cultural/social context. Emphasis on the different ways dance is used to express ideas about religion, cultural identity, myths, and social ideals. Includes cultures from Africa, Asia, Europe, India, Latin America, Middle East, and North America, plus a focus on Southern California.

F2F	**01347**	**10:20a-11:45a**	**M W**	**Gillette H**	**I-204**	**Full Semester**

DNCE 107, DANCE CONCERT PERFORMANCE **1.0 UNIT**

Formal dance concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances.

H	**01353**		**Alduenda L**	**HYBRID**	**Full Semester**
		12:00p-2:35p	**F**	**Alduenda L**	**G-108**

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DNCE 110, BEGINNING MEXICAN FOLK DANCE **1.0 UNIT**

Introduces techniques, forms, and regional/historical backgrounds of dances from various regions of Mexico. Students will perform at least 3 different traditional dances.

H	**01354**		**Garcia R**	**HYBRID**	**Full Semester**
		10:00a-11:25a	**F**	**Garcia R**	**G-108**

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DNCE 111, INTERMEDIATE MEXICAN FOLK DANCE **1.0 UNIT**

Continued study of techniques, forms, and regional/historical backgrounds of dances from various regions of Mexico. Students will perform at least 3 different and more complex traditional dances.

Recommended Preparation: Dance 110 with a minimum grade of C.

H	01355		Garcia R	HYBRID	Full Semester
	10:00a-11:25a	F	Garcia R	G-108	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DNCE 112, ETHNIC DANCE **1.0 UNIT**

Introduction to the dance movement and techniques of selected ethnic groups from around the world, with emphasis on skill development and cultural/historical context. Focus chosen from African dance, Asian court or folk dance, dance forms from India, European folk dance, or Polynesian dance. No experience necessary.

	03677		Gillette H	HYBRID	Full Semester
H	7:00p-8:30p	M W	Gillette H	G-108	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DNCE 120A, INTRODUCTION TO HIP-HOP DANCE **1.0 UNIT**

An introduction to Hip-Hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes learning routines and the history and culture of Hip-Hop dance. No prior experience necessary.

H	03937		Staff	HYBRID	10/18-12/12
	7:00p-8:25p	M W	Staff	G-108	

DNCE 201A, BALLET I **2.0 UNITS**

Beginning level I ballet technique and terminology, including basic barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology. Dance 201A prepares the student for Dance 201B.

F2F	01359	12:40p-2:05p	M W	Staff	G-108	Full Semester
		2:05p-2:35p	M W	Staff	G-108	

DNCE 201B, BALLET II **2.0 UNITS**

Continuation of beginning ballet technique and terminology, including barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology for level II. Dance 201B utilizes additional combination work and prepares the student for Dance 213.

Recommended Preparation: Dance 201A with a minimum grade of C.

F2F	00376	12:40p-2:05p	M W	Staff	G-108	Full Semester
		2:05p-2:35p	M W	Staff	G-108	
F2F	00438	12:40p-2:05p	Tu Th	Allgaier J	G-108	Full Semester
		2:05p-2:35p	Tu Th	Allgaier J	G-108	

DNCE 202A, CHOREOGRAPHY **3.0 UNITS**

A class for the general student interested in dance that defines and explores the elements involved in creating a dance. Students will develop basic choreographic skills and apply those skills to express their ideas through dance movement. Compositions created by students will be performed in the studio. Open to non-majors.

F2F	00439	8:00a-8:50a	Tu Th	Gillette H	G-108	Full Semester
		9:00a-10:25a	Tu Th	Gillette H	G-108	

DNCE 202B, CHOREOGRAPHY FOR DANCE MAJORS **3.0 UNITS**

A composition class for dance majors which defines and explores the elements involved in creating a dance. Students will develop choreographic skills emphasizing individual expression of ideas through dance movement. Advanced level assignments of solo and group compositions are created by dance major students and performed in the dance studio.

F2F	00442	8:00a-8:50a	Tu Th	Gillette H	G-108	Full Semester
		9:00a-10:25a	Tu Th	Gillette H	G-108	

DNCE 204A, DANCE PRODUCTION I **2.0 UNITS**

Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on performance techniques and working with faculty/student choreographers to create original dances. By audition only prior to enrollment.

F2F	00444	2:45p-4:10p	Tu Th	Gillette H	G-108	Full Semester
		4:10p-4:40p	Tu Th	Gillette H	G-108	

DNCE 204B, DANCE PRODUCTION II **2.0 UNITS**

Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on choreography to create original dances. By audition only prior to enrollment.

Prerequisite: Dance 202B with a minimum grade of C or by audition only.

F2F **00446**	**2:45p-4:10p**	**Tu Th**	**Gillette H**	**G-108**	**Full Semester**
	4:10p-4:40p	**Tu Th**	**Gillette H**	**G-108**	

DNCE 204C, DANCE PRODUCTION III **2.0 UNITS**

Continued study and refinement of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements, with an emphasis on performance techniques and working with student and/or faculty choreographers to create original dances. By audition only prior to enrollment.

F2F **00460**	**2:45p-4:10p**	**Tu Th**	**Gillette H**	**G-108**	**Full Semester**
	4:10p-4:40p	**Tu Th**	**Gillette H**	**G-108**	

DNCE 204D, DANCE PRODUCTION IV **2.0 UNITS**

Continued refinement and development of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements with an emphasis on choreography to create original dances. By audition only prior to enrollment.

F2F **00459**	**2:45p-4:10p**	**Tu Th**	**Gillette H**	**G-108**	**Full Semester**
	4:10p-4:50p	**Tu Th**	**Gillette H**	**G-108**	

DNCE 206A, MODERN DANCE I **2.0 UNITS**

A beginning level modern dance class emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Students learn modern dance exercises and short dance combinations. Prepares the student for Dance 206B.

F2F **00461**	**10:35a-12:00p**	**Tu Th**	**Gillette H**	**G-108**	**Full Semester**
	12:00p-12:30p	**Tu Th**	**Gillette H**	**G-108**	

DNCE 206B, MODERN DANCE II **2.0 UNITS**

Continued study in modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to somatic approaches to dance training to support body connectivity. Dance 206B is a continuation and refinement of learning longer dance combinations at the beginning-intermediate level.

Recommended Preparation: Dance 206A with a minimum grade of C.

F2F **00462**	**10:35a-12:00p**	**Tu Th**	**Gillette H**	**G-108**	**Full Semester**
	12:00p-12:30p	**Tu Th**	**Gillette H**	**G-108**	
F2F **00463**	**10:35a-12:00p**	**M W**	**White A**	**G-108**	**Full Semester**
	12:00p-12:30p	**M W**	**White A**	**G-108**	

DNCE 209, MODERN DANCE III **2.0 UNITS**

Provides the continuing modern dance student opportunity to concentrate on more advanced steps and development of technical skills and somatic approaches to dance at the intermediate level. Emphasizes combinations, choreography, and performance style. Dance 206A/206B recommended.

Recommended Preparation: Dance 206A and/or Dance 206B with a minimum grade of C.

F2F **00466**	**10:35a-12:00p**	**M W**	**White A**	**G-108**	**Full Semester**
	12:00p-12:30p	**M W**	**White A**	**G-108**	

DNCE 210, MODERN DANCE IV **2.0 UNITS**

Continuing study of modern dance technique including more complicated combinations and advanced material. Emphasizes somatic approaches to dance training, performance expression, and comparison of modern dance styles.

Recommended Preparation: Dance 209 with a minimum grade of C.

F2F **00468**	**10:35a-12:00p**	**M W**	**White A**	**G-108**	**Full Semester**
	12:00p-12:30p	**M W**	**White A**	**G-108**	

DNCE 213, BALLET III **2.0 UNITS**

Continued study of ballet technique and terminology of the intermediate level. Course includes center adagio, jumps with beats, pirouettes, and movement combinations. Intermediate variations are also learned and performed in class.

Recommended Preparation: Dance 201B with a minimum grade of C.

F2F **00475**	**12:40p-2:05p**	**Tu Th**	**Allgaier J**	**G-108**	**Full Semester**
	2:05p-2:35p	**Tu Th**	**Allgaier J**	**G-108**	

DNCE 214, BALLET IV **2.0 UNITS**

Continuing study of technique and terminology at the intermediate-advanced level. Emphasizes longer, more intricate movement combinations and development of balletic style. Stresses expression and technique at intermediate-advanced level. Includes ballet history and comparisons of various ballet styles.

Recommended Preparation: Dance 213 with a minimum grade of C.

F2F 00477	12:40p-2:05p	Tu Th	Allgaier J	G-108	Full Semester
	2:05p-2:35p	Tu Th	Allgaier J	G-108	

DNCE 219A, JAZZ DANCE I **2.0 UNITS**

Beginning level 1 jazz dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance. Historical and contemporary forms are studied.

F2F 00499	4:50p-6:15p	Tu Th	Alduenda L	G-108	Full Semester
	6:15p-6:45p	Tu Th	Alduenda L	G-108	

DNCE 219B, JAZZ DANCE II **2.0 UNITS**

Continued study in beginning jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance. Historical and contemporary forms are studied.

Recommended Preparation: Dance 219A with a minimum grade of C.

F2F 00500	4:50p-6:15p	Tu Th	Alduenda L	G-108	Full Semester
	6:15p-6:45p	Tu Th	Alduenda L	G-108	
F2F 00501	4:50p-6:15p	M W	Alduenda L	G-108	Full Semester
	6:15p-6:45p	M W	Alduenda L	G-108	

DNCE 220, JAZZ DANCE III **2.0 UNITS**

Instruction for the continuing jazz dance student in intermediate jazz steps and further development of technical skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of jazz. Historical and contemporary forms are studied.

Recommended Preparation: Dance 219B with a minimum grade of C.

F2F 00502	4:50p-6:15p	M W	Alduenda L	G-108	Full Semester
	6:15p-6:45p	M W	Alduenda L	G-108	

DNCE 221, JAZZ DANCE IV **2.0 UNITS**

Continuing study of jazz dance concentrating on intermediate-advanced combinations with emphasis on movement technique, vocabulary, and performance style. Includes study of choreography, cultural context of jazz, and comparisons of historical and contemporary jazz styles.

Recommended Preparation: Dance 220 with a minimum grade of C.

F2F 00503	4:50p-6:15p	M W	Alduenda L	G-108	Full Semester
	6:15p-6:45p	M W	Alduenda L	G-108	

DNCE 240A, REPERTORY I **2.0 UNITS**

Students develop rehearsal and performance skills through learning a repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

F2F 03610	2:45p-4:10p	Tu Th	Gillette H	G-108	Full Semester
	4:10p-4:40p	Tu Th	Gillette H	G-108	

DNCE 240B, REPERTORY II **2.0 UNITS**

Continued refinement of rehearsal and performance skills through learning a more difficult repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

F2F 03612	2:45p-4:10p	Tu Th	Gillette H	G-108	Full Semester
	4:10p-4:40p	Tu Th	Gillette H	G-108	

DNCE 240C, REPERTORY III **2.0 UNITS**

Students learn intermediate-advanced performance skills through small group, duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

F2F 03613	2:45p-4:10p	Tu Th	Gillette H	G-108	Full Semester
	4:10p-4:40p	Tu Th	Gillette H	G-108	

DNCE 240D, REPERTORY IV **2.0 UNITS**
Continued study in intermediate-advanced performance skills through small group, duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

F2F 03614	2:45p-4:10p	Tu Th	Gillette H	G-108	Full Semester
	4:10p-4:40p	Tu Th	Gillette H	G-108	

DNCE 250A, HIP HOP DANCE I **2.0 UNITS**
Introduction to hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles, improvisation, and cultural context of hip-hop.

F2F 00504	7:00p-8:25p	Tu Th	ESTRADA-ROMERO J	G-108	Full Semester
	8:25p-8:55p	Tu Th	ESTRADA-ROMERO J	G-108	

DNCE 250B, HIP-HOP DANCE II **2.0 UNITS**
Continued study in hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes improvisation, more difficult combinations, student compositions, and the cultural context of hip-hop. Movement repertoire differs from 250A.
Recommended Preparation: Dance 250A with a minimum grade of C.

F2F 00505	7:00p-8:25p	Tu Th	ESTRADA-ROMERO J	G-108	Full Semester
	8:25p-8:55p	Tu Th	ESTRADA-ROMERO J	G-108	

DNCE 251, HIP-HOP DANCE III **2.0 UNITS**
Instruction for the continuing dance student in intermediate level hip-hop dance technique and further development of performance skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of hip-hop.
Recommended Preparation: Dance 250B with a minimum grade of C.

F2F 00506	7:00p-8:25p	Tu Th	ESTRADA-ROMERO J	G-108	Full Semester
	8:25p-8:55p	Tu Th	ESTRADA-ROMERO J	G-108	

DIESEL (DSL)

DSL 115, HEAVY DUTY MOBILE HYDRAULICS **3.0 UNITS**
This course presents the operation and service procedures for hydraulic devices found on heavy-duty diesel equipment and trucks. Hands-on procedures are emphasized. Student must furnish approved safety glasses.

F2F 01863	6:00p-7:20p	Tu Th	Lopez Garcia L	J-109-3	08/23-11/09
	7:30p-9:35p	Tu Th	Lopez Garcia L	J-109-3	

DSL 121, DIESEL ENGINES **4.5 UNITS**
Service, repair, rebuilding, diagnosing, operation, function, and features of diesel engines. Hands-on procedures and safety emphasized. Student must furnish approved safety glasses. Field trips may be required.

F2F 01862	6:00p-7:25p	M W	Vasilik R	J-109-3	Full Semester
	7:35p-10:00p	M W	Vasilik R	J-109-3	

DSL 161, ELECTRICAL/ELECTRONIC SYSTEMS **5.0 UNITS**
Diagnosis, service, and repair procedures for starting, charging, lighting, instruments, and multiplex systems.Wiring schematics, safety, and hands-on procedures are emphasized. Students must furnish approved safety glasses.

F2F 01554	8:00a-9:50a	Tu Th	Cavanaugh J	J-109-3	Full Semester
	10:00a-12:25p	Tu Th	Cavanaugh J	J-109-3	

DSL 181, PREVENTATIVE MAINTENANCE INSPECTION **3.0 UNITS**
This course provides the student with basic knowledge and skills in medium and heavy duty truck maintenance. Safety, inspections, and hands-on practice are emphasized. This course helps students prepare for the T8 ASE exam.

H 01561			Rudd J	HYBRID	Full Semester
	8:00a-11:10a	W	Rudd J	LINCOLN	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DIGITAL MEDIA (DM)

DM 102, HISTORY OF GLOBAL CINEMA **3.0 UNITS**
A survey course exploring global cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, with focus on cinema from around the world.

F2F 01668	10:00a-1:10p	Tu	Hall J	A-130	Full Semester

DM 105, HISTORY OF LATIN AMERICAN CINEMA **3.0 UNITS**

A survey course exploring Latin-American cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, aimed at fostering a lasting engagement with both film culture and Latin America.

F2F 01669	10:00a-1:10p	Th	Lunel E	A-130	Full Semester

DM 110, INTRODUCTION TO TELEVISION PRODUCTION **3.0 UNITS**

Introduction to live, multi-camera production of television programs and operation of studio equipment. Includes overview of production theory, terminology and procedures, as well as hands-on training in use of cameras, audio, lighting, and control room apparatus for multi-camera productions.

F2F 01670	1:15p-2:05p	Tu Th	Dermody M	DMC-135	Full Semester
	2:15p-3:40p	Tu Th	Dermody M	DMC-135	

DM 112, INTRODUCTION TO VIDEO EDITING AND POSTPRODUCTION **3.0 UNITS**

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

F2F 01672	4:25p-5:15p	Tu Th	Lunel E	DMC-204	Full Semester
	5:25p-6:50p	Tu Th	Lunel E	DMC-204	

DM 115A, SINGLE-CAMERA PRODUCTION AND EDITING **3.0 UNITS**

Fundamental approaches and techniques utilized in single-camera production for television, film, web and multi-media. Hands-on training in operation of portable digital video and audio production equipment, as well as lighting.

F2F 03930	2:35p-3:25p	M W	Staff	DMC-104	Full Semester
	3:35p-6:00p	M W	Staff	DMC-104	
F2F 03835	7:00p-7:50p	M W	Staff	DMC-204	Full Semester
	8:00p-9:25p	M W	Staff	DMC-204	

DM 121, INTERMEDIATE SCREENWRITING FOR DIGITAL MEDIA **3.0 UNITS**

Explores professional requirements for scriptwriters and their relationship to the production, direction and development of scripts for TV, film, the web, corporate videos and digital media. Strengthens fundamental writing skills. Prior enrollment in DM 120 recommended.

Recommended Preparation: Digital Media 120 with a minimum grade of C.

F2F 01674	6:30p-9:40p	W	Staff	DMC-103	Full Semester

DM 121A, FUNDAMENTALS OF TYPOGRAPHY **3.0 UNITS**

Introduction to the use of type styles, appropriate type selection and their characteristics as a means toward understanding design and communication through type solutions. Projects will explore current graphics industry practices and standards, including the use of digital technology and traditional hand skills.

Prerequisite: Art 195 or Digital Media 195 with a minimum grade of C or contact instructor for portfolio review. A portfolio exhibiting equivalent to above listed prerequisite skillset.

Material Fee(s): $15.00

F2F 02968	10:20a-11:10a	M W	McMillan J	DMC-104	Full Semester
	11:20a-1:25p	M W	McMillan J	DMC-104	

DM 121B, ADVANCED TYPOGRAPHY **3.0 UNITS**

This course provides continued study in typography and appropriate type selection as a means for solving complex graphic design problems, such as illustrative type or multiple-page layout using traditional hand skills, digital technology and portfolio presentations.

Recommended Preparation: Digital Media 195 or Arts 195 with a minimum grade of C. Students should have a fundamental understanding of typography, including type design, type categories, layout design and vector graphics prior to enrolling in this advanced-level course.

Material Fee(s): $15.00

F2F 02970	10:20a-11:10a	M W	McMillan J	DMC-104	Full Semester
	11:20a-1:25p	M W	McMillan J	DMC-104	

DM 123, ADVANCED SCREENWRITING FOR DIGITAL MEDIA MEDIA **3.0 UNITS**

Explores professional requirements for writing screenplays for TV, film, and the web plus scripts for corporate videos and digital media. Advanced individual projects enhance student writing skills and body of work. Prior enrollment in Digital Media 121 recommended.

Recommended Preparation: Digital Media 121 with a minimum grade of C.

F2F 01675	6:30p-9:40p	W	Staff	DMC-103	Full Semester

DM 130, BROADCASTING FOR NEWS & SPORTS **3.0 UNITS**

Introduction to broadcast journalism for TV and digital platforms with emphasis on writing, editing, and technical production of media newscasts. Emphasizes both field and studio reporting. Prior or concurrent enrollment in Television/Video Communications 110 recommended.

Recommended Preparation: Digital Media 110 with a minimum grade of C.

F2F	**01676**	**1:15p-2:05p**	**Tu Th**	**Taylor M**	**DMC-103**	**Full Semester**
		2:15p-3:40p	**Tu Th**	**Taylor M**	**DMC-103**	

DM 140, CINEMATOGRAPHY **3.0 UNITS**

Concepts and practice of cinema-graphic, filming, and lighting techniques as applied to single-camera film and digital production.

F2F	**01677**	**6:30p-7:20p**	**Tu Th**	**Hall J**	**DMC-135**	**Full Semester**
		7:30p-8:55p	**Tu Th**	**Hall J**	**DMC-135**	

DM 152, BEGINNING AUDIO PRODUCTION **3.0 UNITS**

Introduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

F2F	**01659**	**4:00p-5:25p**	**M W**	**Garcia J**	**DMC-204**	**Full Semester**
		5:25p-5:55p	**M W**	**Garcia J**	**DMC-204**	

DM 171, DRONE PILOT TRAINING **1.5 UNITS**

Learn the ins-and-outs of legally flying a drone. The Drone Pilot Training course covers FAA rules and regulations, settings and features of drones, and supervised hands-on flight instruction with a licensed drone pilot. Drones provided for the class.

F2F	**01678**	**10:00a-12:15p**	**Sa**	**Nerhus K**	**A-210**	**08/28-10/16**
			27 hours arranged per semester.			
F2F	**01680**	**10:00a-12:35p**	**Sa**	**Nerhus K**	**A-210**	**10/23-12/11**
			27 hours arranged per week.			

DM 191A, LAYOUT DESIGN **3.0 UNITS**

An introduction to digital publishing and page layouts. Projects explore the design and development of single and multiple page documents. Includes advanced techniques in complex documents, interactive, and web-ready pages. Primary software: Adobe InDesign

Material Fee(s): $10.00

F2F	**01716**	**10:20a-11:10a**	**Tu Th**	**Fitch A**	**DMC-104**	**Full Semester**
		11:20a-1:25p	**Tu Th**	**Fitch A**	**DMC-104**	

DM 195, INTRODUCTION TO DIGITAL MEDIA ARTS PRINCIPLES **3.0 UNITS**

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

F2F	**01697**	**8:00a-9:25a**	**M W**	**McMillan J**	**DMC-104**	**Full Semester**
		9:25a-9:55a	**M W**	**McMillan J**	**DMC-104**	
F2F	**01709**	**1:40p-3:05p**	**Tu Th**	**Fitch A**	**DMC-104**	**Full Semester**
		3:05p-3:35p	**Tu Th**	**Fitch A**	**DMC-104**	

DM 196A, 3D MODELING: THE FUNDAMENTALS **3.0 UNITS**

This is an introductory course in developing digital 3D models for video games, film, advertising and pre-visualization for product and architectural design. Focus is placed on building digital 3d characters, props and environments that will be used in students' own animated short film or video game ideas. By employing the teacher-provided project management tools, students gain hands-on experience in how animated and interactive media projects are developed. Industry-standard low and high poly modeling methods, which utilize normal map application, is emphasized to ensure optimized models with stunning detail.

F2F	**01681**	**6:30p-7:20p**	**M W**	**Staff**	**DMC-104**	**Full Semester**
		7:30p-8:55p	**M W**	**Staff**	**DMC-104**	

DM 196B, 3D MODELING INTERMEDIATE **3.0 UNITS**

Instruction in intermediate-level digital 3D modeling methods as used in video games, interactive media, television, film, previz, product illustration, architectural and bioscience visualization. Students are to model subjects geared to their chosen area of interest and then are provided instruction and guidance to increase proficiency, speed and communication skills required for professional 3D modelers.

Recommended Preparation: Art 196A with a minimum grade of C or a portfolio demonstrating equivalent skills to success at the intermediate level.

F2F **01682**	**6:30p-7:20p**	**M W**	**Staff**	**DMC-104**	**Full Semester**
	7:30p-8:55p	**M W**	**Staff**	**DMC-104**	

DM 230A, BEGINNING NEWS & SPORTS PRODUCTION **3.0 UNITS**

Beginning producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production. Prior enrollment in DM 130 recommended.

Recommended Preparation: Digital Media 130 with a minimum grade of C.

F2F **01683**	**1:15p-2:05p**	**Tu Th**	**Taylor M**	**DMC-103**	**Full Semester**
	2:15p-3:40p	**Tu Th**	**Taylor M**	**DMC-103**	

DM 230B, INTERMEDIATE NEWS & SPORTS PRODUCTION **3.0 UNITS**

Intermediate producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production. Prior enrollment in DM 230A recommended.

Recommended Preparation: Digital Media 230A with a minimum grade C.

F2F **01684**	**1:15p-2:05p**	**Tu Th**	**Taylor M**	**DMC-103**	**Full Semester**
	2:15p-3:40p	**Tu Th**	**Taylor M**	**DMC-103**	

DM 230C, ADVANCED NEWS & SPORTS PRODUCTION **3.0 UNITS**

Advanced producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production. Prior enrollment in DM 230B recommended.

Recommended Preparation:: Digital Media 230B with a minimum grade of C.

F2F **01685**	**1:15p-2:05p**	**Tu Th**	**Taylor M**	**DMC-103**	**Full Semester**
	2:15p-3:40p	**Tu Th**	**Taylor M**	**DMC-103**	

DM 230D, EXECUTIVE NEWS & SPORTS PRODUCTION **3.0 UNITS**

Executive producing for broadcast journalism and sportscasting. Oversee content creation for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production. Prior enrollment in DM 230C recommended.

Recommended Preparation: Digital Media 230C with a minimum grade of C.

F2F **01686**	**1:15p-2:05p**	**Tu Th**	**Taylor M**	**DMC-103**	**Full Semester**
	2:15p-3:40p	**Tu Th**	**Taylor M**	**DMC-103**	

DM 240, AGENCY FILM PRODUCTION **3.0 UNITS**

This is a capstone course, where students will build upon skills and concepts developed in previous camera, editing and cinematography courses in order to learn how to produce and direct advertising agency productions. Prior enrollment in Digital Media 112, 115A, and 140 recommended.

Recommended Preparation: Digital Media 112, Digital Media 115A and Digital Media 140 with a minimum grade of C.

H **01687**			**Dermody M**	**HYBRID**	**Full Semester**
	9:00a-4:00p	**F**	**Dermody M**	**DMC-103**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

DM 255, MOTION PICTURE TECHNICAL PRODUCTION **3.0 UNITS**

This course provides hands-on, practical experience in technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel.

F2F **01693**	**10:00a-10:50a**	**Sa**	**Dermody M**	**Full Semester**
	11:00a-6:00p	**Sa**	**Dermody M**	

DM 256, INTERMEDIATE MOTION PICTURE TECHNICAL PRODUCTION **3.0 UNITS**

This course provides hands-on practical experience in intermediate technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel.
Recommended Preparation: Prior enrollment in Digital Media 255 is recommended.

F2F **01769**	**10:00a-10:50a**	**Sa**	**Dermody M**	**Full Semester**
	11:00a-6:00p	**Sa**	**Dermody M**	

DM 257, ADVANCED MOON PICTURE TECHNICAL PRODUCTION **3.0 UNITS**

This course provides hands-on on praccal experience in advanced technical producon, culminang in a fully produced film, screened to the public. The final movie presentation becomes the basis for creating a production reel.
Recommended Preparation: Digital Media 256

F2F **01770**	**10:00a-10:50a**	**Sa**	**Dermody M**	**Full Semester**
	11:00a-6:00p	**Sa**	**Dermody M**	

EDUCATION (EDUC)

EDUC 105, EXPLORATION IN THE FIELD OF EDUCATION **3.0 UNITS**

An exploration in the field of education from early childhood through high school. This course requires 20 hours of structured observation in the following traditional and non-traditional settings: early childhood, elementary school, middle school, high school, special education, and English Language Development (ELD). Topics will include: a) roles and responsibilities of the teacher, b) teaching and learning of diverse student populations across different education spans, and c) careers in education beyond the classroom teacher.

H **03843**			**Naman T**	**HYBRID**	**Full Semester**
	1:00p-2:25p	**W**	**Staff**	**V-151**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

EDUC 201, INTRODUCTION TO EDUCATION **3.0 UNITS**

Introduction to the field of education including historical and philosophical perspectives; school governance and funding; societal influences and student diversity; school curriculum standards; professional standards and teaching performance expectations. Students will independently complete a minimum of 45 hours of Service Learning (structured observation and internship/fieldwork) in local public elementary school classrooms during the semester.
Recommended Preparation: Education 105 with a minimum grade of B.

H **03844**			**Naman T**	**HYBRID**	**Full Semester**
OER $	**6:00p-9:00p**	**W**	**Staff**	**V-151**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

H **03850**			**Kimmel M**	**HYBRID**	**Full Semester**
OER $	**9:00a-12:00p**	**Tu**	**Staff**	**V-151**	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. Thre is no additional textbook cost for this ZTC class.

EMERGENCY MEDICAL TECHNICIAN (EMT)

EMT 104, EMERGENCY MEDICAL TECHNICIAN **10.0 UNITS**

Basic course for Emergency Medical Technician (EMT) certification. Satisfies training requirements for National/State/County Emergency Medical Services (EMS) Authorities. Prepares students to take the National Registry Certifying Examination for State Certification. Additionally, trains students in the Orange County Emergency Medical Services (OCEMS) optional scope of practice. Course provides depth and breadth of foundational knowledge from the US Department of Transportation's National Scope of Practice Model and the National EMS Education Standards derived for entry-level EMT.

Corequisite: Current American Heart Association "BLS Provider" CPR Certification and concurrent enrollment in Emergency Medical Technician 105.

RB **02260**	**8:00a-12:55p**	**M W**	**Dibb P**	**RB**	**08/23-12/11**
	12:55p-2:20p	**M W**	**Dibb P**	**RB**	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lab instruction during the days and times indicated, rsccd.instructure.com. A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day of school. FAILURE TO SHOW YOUR AMERICAN HEALTH ASSOCIATION CPR CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 104 section 02260 are required to register for EMT 105 section 02264.

RB **02262**	**8:00a-12:55p**	**Tu Th**	**Dibb P**	**RB**	**08/23-12/11**
	12:55p-2:20p	**Tu Th**	**Dibb P**	**RB**	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lab instruction during the days and times indicated, rsccd.instructure.com. A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day of school. FAILURE TO SHOW YOUR AMERICAN HEALTH ASSOCIATION CPR CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 104 section 02262 are required to register for EMT 105 section 02265.

RB **02263**	**5:00p-10:15p**	**Tu Th**	**Nguyen T**	**RB**	**08/26-12/09**
	8:00a-4:00p	**Sa**	**Nguyen T**	**RB**	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lab instruction during the days and times indicated, rsccd.instructure.com. A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day. FAILURE TO SHOW YOUR AMERICAN HEALTH ASSOCIATION CPR CARD WILL RESULT IN BEING DROPPED from class. Upload CPR card to CANVAS prior to class start. Students registering for EMT 104 section 02263 are required to register for EMT 105 section 02266. Classes are Tuesdays and Thursdays 5:00pm-10:15pm with Saturdays on 9/11, 9/25, 10/9, 10/16, 10/30, and 11/13 from 8:00am-4:00pm plus 16 hours arranged; see EMT 105 section 02266 for additional Saturdays.

EMT 111, RECERTIFICATION FOR EMT **2.0 UNITS**

Update emergency medical techniques, equipment, and EMSA policies. Meets state requirements for EMT recertification.

F2F **97792**	**8:00a-5:00p**	**F Sa**	**Spriggs J**	**B-6**	**10/01-10/09**

A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown the first day. FAILURE TO DO SO WILL RESULT IN BEING DROPPED FROM CLASS. EMT meets 10/1, 10/2, 10/8, and 10/9 from 8:00am-5:00pm.

ENGINEERING (ENGR)

ENGR 060, ROBOTICS SURVEY **0.5 UNIT**

This course introduces students to basic robotics. Students will program a robot to receive sensor input, control motors, and produce behaviors. Course provides student exposure to robotics, which now plays a major role in modern manufacturing and industrial automation.

F2F **01792**	**9:00a-12:00p**	**F**	**Takahashi C**	**A-214**	**11/05-11/19**
	9:00a-12:00p	**F**	**Staff**	**A-214**	

ENGR 100A, INTRODUCTION TO ENGINEERING **3.0 UNITS**

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

F2F **00537**	**1:00p-4:10p**	**Th**	**Takahashi C**	**A-214**	**Full Semester**

This class meets on-campus.

F2F 00538	4:30p-7:40p	Th	Takahashi C	A-214	Full Semester

This class meets on-campus.

ENGR 118, SURVEYING **3.0 UNITS**

The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and GPS. Extensive field work using tapes, levels, transits, theodolites, total stations, and GPS. Assists in passing the land surveyor-in-training exam.
Prerequisite: Mathematics 162 or Mathematics 170 with a minimum grade of C or transcripted high school trigonometry or pre-calculus.

Software Utilized: Civil 3D and ArcGIS 10

F2F 00542	9:00a-11:05a	Sa	Rodriguez J	A-214	Full Semester
	11:05a-2:15p	Sa	Rodriguez J	A-214	

This class meets on-campus.

ENGR 119, ADVANCED PLANE SURVEYING **3.0 UNITS**

A second course in surveying with emphasis on coordinate geometry calculations. Topics include: route surveying with horizontal and vertical curves, topographic surveying and mapping, construction surveying, introduction to geospatial technologies, boundary surveying and surveys of public lands. Field surveying projects.
Prerequisite: Engineering 118 with a minimum grade of C; or Instructor may waive if student can show proof of industry experience in surveying equal to or greater than Engineering 118.

Software Utilized: Civil 3D and ArcGIS 10

F2F 00543	9:00a-11:05a	Sa	Rodriguez J	A-214	Full Semester
	11:05a-2:15p	Sa	Rodriguez J	A-214	

This class meets on-campus.

ENGR 122, ENGINEERING DRAWING **3.0 UNITS**

Principles of engineering drawing: projections, views, sections, dimensions, tolerancing, assemblies, manufacturing processes, engineering drafting practices. Utilizing 2D CAD and 3D solid modeling CAD software. Suggested preparation: prior course or experience in drafting and CAD.

F2F 00544	6:00p-8:30p	Tu	Vu M	A-225	Full Semester
	8:30p-9:55p	Tu	Vu M	A-225	

This class meets on-campus.

ENGR 125, ENGINEERING GRAPHICS **3.0 UNITS**

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include: the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; the engineering design process. Assignments develop sketching skills for 2-D and 3-D CAD. The use of CAD software is an integral part of the course. Suggested preparation: prior course or experience with drafting and CAD.
Prerequisite: Mathematics 162 with a minimum grade of C.

F2F 00548	6:00p-8:30p	Tu	Vu M	A-225	Full Semester
	8:30p-9:55p	Tu	Vu M	A-225	

This class meets on-campus.

ENGR 130A, CATIA I **3.0 UNITS**

Introductory course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics include: CAD overview, sketching, basic solid model creation (base features, pads, pockets, grooves, shafts, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation (Same as Manufacturing Technology 130A).

Software Utilized: CATIA V.5.R19

F2F 00551	9:00a-12:10p	Sa	Staff	A-225	Full Semester

This class meets on-campus.

ENGR 130B, CATIA II **3.0 UNITS**

Intermediate course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics: intermediate/ advanced level sketching and modeling (sweeps, ribs, slots), feature editing and transformation, assemblies, drafting workbench, surface modeling, and other CATIA modules.
Recommended Preparation: Engineering 130A or Manufacturing Technology 130A with a minimum grade of C.

Software Utilized: CATIA V.5.R19

F2F 00553	9:00a-12:10p	Sa	Staff	A-225	Full Semester

This class meets on-campus.

ENGR 132, INTRODUCTION TO ROBOTICS **2.5 UNITS**

Introductory course in robotics. Topics include history of robotics, role of robotics in modern engineering, industrial automation, emerging technologies, basic design, sensors, circuitry, actuators, mechanics, programming, and a hands-on robot design and construction project.

F2F **00698**	**10:20a-12:25p**	**W**	**Takahashi C**	**A-214**	**Full Semester**
	12:25p-1:50p	**W**	**Takahashi C**	**A-214**	

This class meets on-campus. There is no additional textbook cost for this ZTC class.

ENGR 158, BASIC MACHINING CONCEPTS AND OPERATIONS **3.0 UNITS**

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade.

RB **02400**	**8:30a-9:35a**	**Sa**	**Buechler M**	**RB**	**Full Semester**
	9:45a-1:35p	**Sa**	**Bright T**	**T-107**	
		2:00p-5:50p	**Sa**	**SAC T-107**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

RB **02338**	**5:00p-8:50p**	**M W**	**Buechler M**	**T-107**	**Full Semester**
	9:00p-9:30p	**M W**	**Buechler M**	**RB**	

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

RB **02407**	**5:30p-9:20p**	**Tu Th**	**Buechler M**	**T-107**	**Full Semester**
	9:30p-10:00p	**Tu Th**	**Buechler M**	**RB**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

ENGR 183, AUTOCAD I **4.0 UNITS**

A first course in AutoCAD by Autodesk, an industry standard engineering CAD software, especially in the civil and architectural fields. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, and graphic exchange.

Software Utilized: AutoCAD 2020

F2F **00726**	**10:20a-2:35p**	**M**	**Rodriguez J**	**A-225**	**Full Semester**

This class meets on-campus.

ENGR 235, STATICS **3.0 UNITS**

A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Utilizes SI metrics.

Prerequisite: Physics 217 and Mathematic 185 with a minimum grade of C (Both classes can be taken concurrently).

F2F **00728**	**1:40p-4:50p**	**Tu**	**Takahashi C**	**A-210**	**Full Semester**

This class meets on-campus.

ENGLISH (ENGL)

ENGL 066, ROUTE TO WRITING SUCCESS: FRESHMAN COMPOSITION LABORATORY **1.0 UNIT**

Laboratory exercises are designed to explore and understand the reading process, the writing process, grammar and punctuation rules in order to successfully complete English 101. This class must be taken concurrently with an English 101 course.

Corequisite: English 101 must be taken concurrently.

F2F **98011**	**10:20a-11:45a**	**M W**	**Simmerman S**	**D-202**	**Full Semester**

Section 98011 is linked to ENGL 101 98211. Enrollment in both sections is mandatory.

F2F **98029**	**11:20a-12:45p**	**Tu Th**	**Simmerman S**	**D-106**	**Full Semester**

Section 98029 is linked to ENGL 101 98141. Enrollment in both sections is mandatory.

F2F **98027**	**3:00p-4:25p**	**M W**	**Kelley S**	**D-202**	**Full Semester**

Section 98027 is linked to ENGL 101 98151. Enrollment in both sections is mandatory.

ENGL 101, FRESHMAN COMPOSITION **4.0 UNITS**

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

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

F2F	03678	7:40a-8:30a	M Tu Th	Staff	MDHS	Full Semester
		7:15a-8:30a	F	Staff	MDHS	

ENGL 066 98007. Enrollment in both sections is mandatory.

F2F	98138	8:00a-10:05a	Tu Th	Rocke B	D-201	Full Semester
F2F	98211	8:00a-10:05a	M W	Simmerman S	D-202	Full Semester

Section 98211 is linked to ENGL 066 98011. Enrollment in both sections is mandatory.

F2F	98141	9:00a-11:05a	Tu Th	Simmerman S	D-213	Full Semester

Section 98141 is linked to ENGL 066 98029. Enrollment in both sections is mandatory.

RB	98197	10:15a-12:20p	Tu	Martinez Guzman D	RB	Full Semester
		10:15a-12:20p	Th	Martinez Guzman D	D-102	

Remote Blended. Students attend both virtually on Canvas and on-campus during the days and times indicated, rsccd.instructure.com. PUENTE: Section 98197 is linked to Counseling 100 section 98724, Lifelong Understanding. Enrollment in all sections is mandatory. Please see the Freshman Success page in the class schedule for more information.

F2F	98235	10:30a-12:35p	Tu Th	Rocke B	D-201	Full Semester
F2F	98124	12:30p-2:35p	M W	Rocke B	D-213	Full Semester
F2F	98151	12:45p-2:50p	M W	Kelley S	D-202	Full Semester

Section 98151 is linked to ENGL 066 98027. Enrollment in both sections is mandatory.

F2F	98155	12:45p-2:50p	M	Martinez Guzman D	RB	Full Semester
		12:45p-2:50p	W	Martinez Guzman D	D-101	

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

F2F	98092	6:00p-10:15p	M	Arambula M	D-209	Full Semester

ENGL 102, LITERATURE AND COMPOSITION **4.0 UNITS**

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

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

F2F	98273	10:00a-12:05p	M W	Axtell C	I-104	Full Semester
RB	98259	10:15a-12:20p	M	Martinez Guzman D	RB	Full Semester
		10:15a-12:20p	W	Martinez Guzman D	D-101	

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

RB	98262	12:45p-2:50p	Tu	Martinez Guzman D	RB	Full Semester
		12:45p-2:50p	Th	Martinez Guzman D	D-102	

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

ENGL 103, CRITICAL THINKING AND WRITING **4.0 UNITS**

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

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

F2F	98287	12:00p-2:05p	Tu Th	Beyersdorf M	D-101	Full Semester

ENGLISH FOR MULTILINGUAL STUDENTS (EMLS)

EMLS 110, INTRODUCTION TO THE ESSAY **4.0 UNITS**

Introductory essay writing course for bilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.

Prerequisite: EMLS 109 with a minimum grade of C or qualifying profile from ESL/EMLS placement process.

F2F	98024	6:00p-10:15p	M	Mowrer M	D-208	Full Semester

EMLS N52B, INTERMEDIATE AMERICAN ENGLISH PRONUNCIATION SKILLS **3.0 UNITS**
More extensive instruction in American English sounds. Emphasis on more difficult sounds, sound blends, word endings, syllable and word stress. Not applicable to associate degree.
Recommended Preparation: English Multilingual Students N52A with a minimum grade of P.

F2F 98060	6:00p-9:10p	W	Mowrer M	D-103	Full Semester

ENTREPRENEURSHIP (ENTR)

ENTR 100, INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP **3.0 UNITS**
Discover how the entrepreneurial mindset teaches life skills that can make you more successful now and at every stage of your life. Examine how that mindset affects the social, psychological, and physiological impact of those life skills. Learn the basics of how to start a business and learn how to think like an entrepreneur.

H 01109			Vonheim E	HYBRID	08/23-10/17
	6:00p-9:10p	Th	Vonheim E	A-203	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

ENTR 105, SOCIAL MEDIA, BOOTSTRAPPING, AND MARKET VALIDATION **2.0 UNITS**
Learn the latest Social Media & Bootstrap Marketing strategies & techniques. Discover how to do more with marketing while spending less. Learn what you need to know about your customer and your market by designing a sound research strategy. Discover how to implement a market validation strategy.

H 01113			Vonheim E	HYBRID	10/18-12/12
	6:00p-9:10p	Th	Vonheim E	A-203	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

FASHION DESIGN MERCHANDISING (FDM)

FDM 080, EMBROIDERY **1.5 UNITS**
Applied techniques of embroidered decorative embellishments using embroidery software and machinery.

F2F 01968	9:30a-11:50a	Sa	Garcia K	A-205	10/18-12/12
	12:00p-3:35p	Sa	Garcia K	T-213	

FDM 081, SCREEN PRINTING **1.5 UNITS**
Application techniques of surface textures and patterns using screen printing techniques. Course includes digital application of artwork and preparation for printing. Recommend some Adobe Illustrator knowledge prior to taking this course.

RB 01980	3:30p-5:35p	M	Elston L	RB	10/18-12/12
	5:45p-8:55p	M	Elston L	T-201	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lab instruction during the days and times indicated. The students will be divided into groups for face-to-face scheduling. Instructor will contact students to place in groups. rsccd.instructure.com.

FDM 103, FASHION SELECTION **3.0 UNITS**
Apparel selection based on historical perspective, culture, and fashion trends. This course will examine the interrelatedness of socio-psychological, economic and political/religious influences on dress. Cross-cultural analysis and interpretation of Western and non-Western clothing behavior. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population.

F2F 03529	6:00p-9:10p	Tu	Melchor R	T-201	Full Semester

FDM 104, TEXTILE FIBERS AND FABRICS **3.0 UNITS**
This course is a study of textile fibers and fabrics, their production/development, environmental impact, selection, use and care of wearing apparel and home furnishings. The course also covers current and future textile production and how appropriate performance characteristics are incorporated into materials and products.

RB 01959	TBA		Elston L	RB	Full Semester
	12:30p-2:25p	M	Elston L	T-201	
	2:25p-3:00p	M		SAC T-201	

Remote Blended. Students attend virtually on Canvas and meet for on-campus Lecture and Lab instruction during the days and times indicated, rsccd.instructure.com.

FDM 105A, BEGINNING SEWING **3.0 UNITS**

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

H	03748		Benson K	HYBRID	10/18-12/12
	10:00a-5:10p	F	Benson K	T-201	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

FDM 105B, INTERMEDIATE SEWING **3.0 UNITS**

Follow-up of Fashion Design Merchandising 105A, Beginning Sewing. Coordination of woven fabrics and pattern fitting in construction of class projects such as pants, dress shirts, and unlined jackets. Includes intermediate sewing technique samples such as tailored plackets, various fly zipper applications, bound buttonholes, and welt pockets.
Recommended Preparation: Recommended preparation includes being able to name and sew a minimum of six different types of seams and hems without having to look them up or completion of Fashion Design Merchandising 105A, Beginning Sewing.

F2F	03749	11:00a-1:05p	Th	Bonsall L	T-201	Full Semester
		1:15p-4:25p	Th	Bonsall L	T-201	

FDM 109, FLAT PATTERN TECHNIQUES **3.5 UNITS**

Students will learn to use flat pattern basic block for pivoting and spreading methods to transfer trade sketches into first pattern garments. Students will be required to sew their sample garments.
Recommended Preparation: Fashion Design Merchandising 105A.

F2F	03750	3:30p-6:40p	W	Benson K	T-201	Full Semester
		6:50p-8:15p	W	Benson K	T-201	

FDM 110, CORSET CONSTRUCTION **3.0 UNITS**

Class covers historical and modern corsets. Students will build a corset from start to finish, including pattern drafting, boning construction, and fitting techniques. Students will also build a bustier dress.
Recommended Preparation: Fashion Design Merchandising 105A with a minimum grade of C.

F2F	01973	11:00a-1:05p	Th	Bonsall L	T-201	Full Semester
		1:15p-4:25p	Th	Bonsall L	T-201	

FDM 111A, FASHION ILLUSTRATION TECHNIQUES **3.0 UNITS**

Application of the basic techniques of drawing fashion and garment flat trade sketches. Emphasis on current fashion industry design software Adobe Illustrator with some Photoshop. Pencils, markers, and watercolors are also incorporated.

H	03751		Benson K	HYBRID	Full Semester
	9:00a-12:10p	W	Benson K	T-201	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

FDM 114, 3D DESIGN **3.0 UNITS**

This course will teach students how to create 3D garments in Clo3D/Marvelous Designer. This course will take students having no knowledge of 3D software to developing designs, doing fittings, and creating renders. By the end of the course students will also develop a portfolio of several projects.
Recommended Preparation: Fashion Design Merchandising 109 with a minimum grade of C, or pattern drafting knowledge.

H	03752		Benson K	HYBRID	Full Semester
	6:45p-9:55p	W	Benson K	T-213	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

FDM 136, FUNDAMENTALS OF COSTUME DESIGN **3.0 UNITS**

The study of costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated.

F2F	01962	8:35a-10:00a	Tu Th	Ho J	T-201	Full Semester
		10:00a-10:30a	Tu Th	Ho J	T-201	

FIRE ACADEMY (FAC)

FAC 008, BIDDLE PHYSICAL ABILITY TEST (PAT) EXAMINATION **0.1 UNIT**

The Los Angeles County and Orange County Fire Chief's Physical Ability Test is designed to examine the physical ability of the individual when it comes to performing the functions or tasks of a firefighter.

F2F	02352	7:30a-8:30a	Su	Meloni J	JPT-CN	09/12-09/12
		8:30a-11:30a	Su	Meloni J	JPT-CN	
F2F	02353	7:30a-8:30a	Su	Meloni J	JPT-CN	10/03-10/03
		8:30a-11:30a	Su	Meloni J	JPT-CN	
F2F	02354	7:30a-8:30a	Su	Meloni J	JPT-CN	10/31-10/31
		8:30a-11:30a	Su	Meloni J	JPT-CN	
F2F	02355	7:30a-8:30a	Su	Meloni J	JPT-CN	11/21-11/21
		8:30a-11:30a	Su	Meloni J	JPT-CN	

FAC 018B, BEGINNING FIRE PHYSICAL ABILITY TRAINING **0.1 - 0.5 UNITS**

Students will be introduced to the events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

F2F	02357	8:45a-10:45a	F	Coots C	CJTC-SD	Full Semester
F2F	02356	6:00p-8:00p	W	Coots C	CJTC-SD	Full Semester

FAC 018C, INTERMEDIATE FIRE PHYSICAL ABILITY TRAINING **0.1 - 0.5 UNITS**

Students will practice the individual events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008.Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

F2F	02359	8:45a-10:45a	F	Coots C	CJTC-SD	Full Semester
F2F	02358	6:00p-8:00p	W	Coots C	CJTC-SD	Full Semester

FAC 018D, ADVANCED FIRE PHYSICAL ABILITY TRAINING **0.1 - 0.5 UNITS**

Students will practice and conditon for successful completion of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

F2F	02361	8:45a-4:05a	F	Coots C	CJTC-SD	Full Semester
F2F	02360	6:00p-8:00p	W	Coots C	CJTC-SD	Full Semester

FIRE TECHNOLOGY (FTC)

FTC 121, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL **3.0 UNITS**

This lecture class provides information on exercise physiology and nutrition as it relates to public safety personnel. Topics include the components of a fitness program such as metabolic fitness, muscular fitness, body composition and flexibility. Other topics include the FITT principle, specificity, and injury prevention and treatment.

Co-Requisite: Concurrent enrollment in Fire Technology 121L.

F2F	02349	8:35a-11:45a	Th	Meloni J	A-128	Full Semester
F2F	02345	11:55a-3:05p	M	Berger N	A-128	Full Semester

FTC 121L, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL - PERFORMANCE AND ASSESSMENT
0.3 UNIT

Student will participate in physical fitness and fire-specific activities. Focus is on preparing individual fitness, health, and physical ability for job requirements. Students will be advised of the specific dates and times for the Lab/Physical Ability Practice sessions during first week of the semester at the lab orientation.
Co-Requisite: Concurrent enrollment in Fire Technology 121.

RB 02342 TBA Casillas J RB Full Semester
Remote Blended. Students attend both virtually on Canvas and on-campus. On-campus days to be announced by your instructor. rsccd.instructure.com. All registered FTC 121L students must attend ONE of the five scheduled orientations by remote instruction/Zoom: Mon. 08/23, 3:15pm-4:05pm; Tues. 08/24, 6:00pm-6:50pm; Wed. 08/25, 3:15pm-4:05pm; Wed. 08/25, 6:00pm-6:50pm; Thurs. 08/26, 11:55am-12:45pm. 16.0 hours to be arranged.

RB 02344 TBA Meloni J RB Full Semester
Remote Blended. Students attend both virtually on Canvas and on-campus. On-campus days to be announced by your instructor. rsccd.instructure.com. All registered FTC 121L students must attend ONE of the five scheduled orientations by remote instruction/Zoom: Mon. 08/23, 3:15pm-4:05pm; Tues. 08/24, 6:00pm-6:50pm; Wed. 08/25, 3:15pm-4:05pm; Wed. 08/25, 6:00pm-6:50pm; Thurs. 08/26, 11:55am-12:45pm. 16.0 hours to be arranged.

RB 02346 TBA Berger N RB Full Semester
All registered FTC 121L students must attend ONE of the five scheduled orientations in E-108: Mon. 08/23, 3:15pm-4:05pm; Tues. 08/24, 6:00pm-6:50pm; Wed. 08/25, 3:15pm-4:05pm; Wed. 08/25, 6:00pm-6:50pm; Thurs. 08/26, 11:55am-12:45pm. 16.0 hours to be arranged.

RB 02348 TBA Casillas J RB Full Semester
Remote Blended. Students attend both virtually on Canvas and on-campus. On-campus days to be announced by your instructor. rsccd.instructure.com. All registered FTC 121L students must attend ONE of the five scheduled orientations by remote instruction/Zoom: Mon. 08/23, 3:15pm-4:05pm; Tues. 08/24, 6:00pm-6:50pm; Wed. 08/25, 3:15pm-4:05pm; Wed. 08/25, 6:00pm-6:50pm; Thurs. 08/26, 11:55am-12:45pm. 16.0 hours to be arranged.

RB 02350 TBA Meloni J RB Full Semester
All registered FTC 121L students must attend ONE of the five scheduled orientations in E-108: Mon. 08/23, 3:15pm-4:05pm; Tues. 08/24, 6:00pm-6:50pm; Wed. 08/25, 3:15pm-4:05pm; Wed. 08/25, 6:00pm-6:50pm; Thurs. 08/26, 11:55am-12:45pm. 16.0 hours to be arranged.

HISTORY (HIST)

HIST 120, THE UNITED STATES TO 1877 **3.0 UNITS**
Examines major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through Reconstruction.

F2F 99762 8:35a-10:00a M W Medina M D-102 Full Semester
F2F 99780 10:20a-11:45a M W Medina M D-102 Full Semester

HIST 120H, HONORS THE UNITED STATES TO 1877 **3.0 UNITS**
Seminar-style, content-enriched course for Honors students that examines major political, economic, intellectual, and social forces at home and abroad shaping American life from the colonial period through Reconstruction.

F2F 99781 10:20a-11:45a M W Medina M D-102 Full Semester

HIST 121, THE UNITED STATES SINCE 1865 **3.0 UNITS**
A critical analysis of American history. Includes industrial and technological development, the changing nature of society, cultural developments, domestic politics, and America's expanded world role.

F2F 99784 1:40p-3:05p M W Medina M D-102 Full Semester

HIST 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES **3.0 UNITS**
Survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

F2F 99858 10:20a-11:45a Tu Th Guzman K D-103 Full Semester
F2F 99853 11:55a-1:20p Tu Th Guzman K D-103 Full Semester

HIST 124H, HONORS MEXICAN AMERICAN HISTORY IN THE UNITED STATES **3.0 UNITS**

Enriched and intensive survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Utilizing a seminar approach, emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

F2F	99851	10:20a-11:45a	Tu Th	Guzman K	D-103	Full Semester

KINESIOLOGY ACTIVITIES (KNAC)

KNAC 107A, BEGINNING BADMINTON **1.0 UNIT**

This course is designed to introduce students to a racket sport, the sport of badminton. Emphasis is placed on the proper technique of the basic skills required in badminton, rules, scoring, and safety. Instruction and practice will include the proper grip, under-hand serve, drives, clears, drops, and smashes. This course is offered as a half-unit or one-unit class and may not be repeated.

F2F	02134	10:20a-11:45a	M W	Staff	G-105	Full Semester

KNAC 107B, INTERMEDIATE BADMINTON **1.0 UNIT**

This course is designed to review and solidify the basic techniques and rules associated with the game of badminton. Emphasis is placed on proper footwork and the technical aspects associated with the game. This course is offered as a half unit or one unit class and may not be repeated.

Prerequisite: Kinesiology Activities 107A with a minimum grade of C.

F2F	02135	10:20a-11:45a	M W	Staff	G-105	Full Semester

KNAC 107C, ADVANCED BADMINTON **1.0 UNIT**

This course is designed to review and solidify the proper footwork and intermediate techniques associated with the game of badminton. Emphasis is placed on tactical game awareness of both singles and doubles play. This course is offered as a half unit or one unit class and may not be repeated.

Prerequisite: Kinesiology Activities 107B with a minimum grade of C

F2F	02137	10:20a-11:45a	M W	Staff	G-105	Full Semester

KNAC 140A, BEGINNING KARATE **1.0 UNIT**

This course is designed to offer instruction in the Japanese art of Karate for beginning level students. Basic movements such as stances, blocking, kicking and striking are taught. This course is offered as a half unit or one unit class and may not be repeated.

F2F	02146	6:30p-9:40p	Th	Juliano R	W-111	Full Semester

KNAC 150A, BEGINNING HATHA YOGA **1.0 UNIT**

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

F2F	02127	10:20a-11:45a	Tu Th	Johnson J	W-107	Full Semester

KNAC 155A, BEGINNING SELF-DEFENSE **1.0 UNIT**

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

F2F	02145	6:30p-9:40p	Tu	Juliano R	W-111	Full Semester

KNAC 170A, BEGINNING YOGA **1.0 UNIT**

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

F2F	02149	7:00a-8:25a	M W	Celis J	W-107	Full Semester
F2F	02155	7:45p-9:10p	M W	Gracia-Iris H	W-107	Full Semester

KNAC 260A, BEGINNING SOCCER **1.0 UNIT**

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

F2F	02139	8:00a-11:10a	F	Staff	G-118	Full Semester

KNAC 260B, INTERMEDIATE SOCCER **1.0 UNIT**

This course is designed to review and solidify the proper techniques associated with outdoor soccer and FIFA Laws of the Game. The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer. This course is offered as a half unit or one unit class and may not be repeated.

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

F2F 02141	8:00a-11:10a	F	Staff	G-118	Full Semester

KNAC 260C, ADVANCED SOCCER **1.0 UNIT**

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

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

F2F 02142	8:00a-11:10a	F	Staff	G-118	Full Semester

KINESIOLOGY ADAPTED ACTIVITIES (KNAD)

KNAD 202A, BEGINNING ADAPTED CIRCUIT TRAINING **1.0 UNIT**

This class is designed for students with disabilities and chronic conditions to experience the benefits of circuit training. Individualized exercise programs are designed to teach students adaptive strategies and beginning level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

F2F 02177	10:20a-11:45a	Tu Th	Sos B	W-106	Full Semester

KNAD 202B, INTERMEDIATE ADAPTED CIRCUIT TRAINING **1.0 UNIT**

The class is designed for students with disabilities and chronic conditions to increase their knowledge and skills competence in circuit training. Individualized exercise programs are designed to teach students adaptive strategies and intermediate level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Adapted Activities 202A with a minimum grade of C and Adapted Kinesiology Medical Release Form required.

F2F 02180	10:20a-11:45a	Tu Th	Sos B	W-106	Full Semester

KINESIOLOGY AEROBIC FITNESS (KNAF)

KNAF 140A, BEGINNING WALKING/JOGGING FOR FITNESS **1.0 UNIT**

This course will emphasize cardiovascular walking/jogging for health and fitness for men and women who are interested in instruction and practice in cardiovascular conditioning. The walking/jogging class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. This course is offered as a half unit or one unit class and may not be repeated.

F2F 02039	8:35a-10:00a	Tu Th	Nutter K	W-107	Full Semester

KNAF 144A, BEGINNING CROSS TRAINING **1.0 UNIT**

This class will be comprised of aerobic workouts designed to introduce the student to the concept of cross training and trying different work-outs. The class will be divided into sections including walk/jog, step training, cardio boxing, weight training, and flexibility work-outs. This course is offered as a half unit or one unit class and may not be repeated.

F2F 02040	10:20a-11:45a	Tu Th	Nutter K	E-102	Full Semester

KNAF 156A, BEGINNING CARDIO KICKBOXING **1.0 UNIT**

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics, and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated.

F2F 02147	8:35a-10:00a	M W	Celis J	W-107	Full Semester
F2F 02153	6:10p-7:35p	M W	Gracia-Iris H	W-107	Full Semester

KNAF 156B, INTERMEDIATE CARDIO KICKBOXING **1.0 UNIT**

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increaase competence in kicking and punching, calisthenics, and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated.

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

F2F 02148	8:35a-10:00a	M W	Celis J	W-107	Full Semester
F2F 02154	6:10p-7:35p	M W	Gracia-Iris H	W-107	Full Semester

KINESIOLOGY AQUATICS (KNAQ)

KNAQ 201A, BEGINNING SWIMMING **1.0 UNIT**

Instruction and experience in the basic stroke techniques and safety procedures of swimming. This course is offered as a half unit or one unit class and may not be repeated.

F2F 02065	10:20a-11:45a	M W	Nilles T	G-121	Full Semester
F2F 03090	10:20a-11:45a	Tu Th	Staff	G-121	Full Semester

KNAQ 201B, LAP SWIMMING **1.0 UNIT**

Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.

F2F 03091	10:00a-11:45a	Tu Th	Staff	G-121	Full Semester
F2F 02066	10:20a-11:45a	M W	Nilles T	G-121	Full Semester

KINESIOLOGY FITNESS (KNFI)

KNFI 112A, BEGINNING CIRCUIT TRAINING **1.0 UNIT**

An introduction to fundamental principles and practices of circuit training including safety, using cardiovascular and resistance machines, and components of exercise. This course provides the basics of a comprehensive exercise program that combines cardiovascular exercises with strength training. This course is offered as a half-unit or one-unit class and may not be repeated.

F2F 02008	10:20a-11:45a	M W	Breig D	E-102	Full Semester
F2F 02025	11:55a-1:20p	M W	Macdonald J	E-102	Full Semester
F2F 02028	11:55a-1:20p	Tu Th	Macdonald J	E-102	Full Semester

KNFI 112B, INTERMEDIATE CIRCUIT TRAINING **1.0 UNIT**

A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment. This course is offered as a half-unit or one-unit class and may not be repeated.

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

F2F 02009	10:20a-11:45a	M W	Breig D	E-102	Full Semester
F2F 02026	11:55a-1:20p	M W	Macdonald J	E-102	Full Semester
F2F 02029	11:55a-1:20p	Tu Th	Macdonald J	E-102	Full Semester

KNFI 112C, ADVANCED CIRCUIT TRAINING **1.0 UNIT**

An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc.), and resistance machines. This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body's adaptation to exercise. This course is offered as a half-unit or one-unit class and may not be repeated.

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

F2F 02010	10:20a-11:45a	M W	Breig D	E-102	Full Semester
F2F 02027	11:55a-1:20p	M W	Macdonald J	E-102	Full Semester
F2F 02030	11:55a-1:20p	Tu Th	Macdonald J	E-102	Full Semester

KNFI 114A, BEGINNING SPINNING **1.0 UNIT**

This class is geared towards improving one's cardiovascular fitness and muscular strength through a spinning programon a stationary bike. The program covers two basic types of terrain: flat roads and hillst through changes in resistance and positions. Spinning emphasizes everyone's individual needs, regardless of athletic ability, taught in a group atmosphere. This course is offered as a half unit or one unit class and may not be repeated.

F2F 02128	8:35a-10:00a	Tu Th	Johnson J	E-102	Full Semester

KNFI 114B, INTERMEDIATE SPINNING **1.0 UNIT**

Individualized spinning program designed to improve spinning technique and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.

F2F	02129	8:35a-10:00a	Tu Th	Johnson J	E-102	Full Semester

KNFI 147A, BEGINNING WEIGHT TRAINING **1.0 UNIT**

Introductory instruction in basic weight lifting concepts and experiential practice in large muscle area development utilizing guided and free weights. Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.

F2F	02015	8:35a-10:00a	M W	Macdonald J	G-103	Full Semester
F2F	02019	8:35a-10:00a	Tu Th	Macdonald J	G-103	Full Semester
F2F	02017	10:20a-11:45a	M W	Macdonald J	G-103	Full Semester
F2F	02021	6:10p-7:35p	M W	Macdonald J	G-103	Full Semester

KNFI 147B, INTERMEDIATE WEIGHT TRAINING **1.0 UNIT**

This course is designed for students to increase their knowledge and skills competence in large muscle area development utilizing free weights. Individualized exercise programs are designed to teach students intermediate level strategies and techniques. Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.

Prerequisite: Kinesiology Fitness 147A with a minimum grade of C

F2F	02016	8:35a-10:00a	M W	Macdonald J	G-103	Full Semester
F2F	02020	8:35a-10:00a	Tu Th	Macdonald J	G-103	Full Semester
F2F	02018	10:20a-11:45a	M W	Macdonald J	G-103	Full Semester
F2F	02022	6:10p-7:35p	M W	Macdonald J	G-103	Full Semester

KINESIOLOGY HEALTH EDUCATION (KNHE)

KNHE 104, NUTRITION AND FITNESS **2.0 UNITS**

An applied nutrition course to improve the nutrition and health of active individuals. The course will focus on lifestyle, disease prevention, fitness, weight control, and the basic concepts of good nutrition.

F2F	02023	10:20a-11:10a	Tu Th	Macdonald J	F-103	Full Semester

OER ZTC

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

F2F	02024	5:00p-5:50p	M W	Macdonald J	F-103	Full Semester

OER ZTC

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

KNHE 106, CARDIOPULMONARY RESUSCITATION AND FIRST AID **3.0 UNITS**

This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.

H	02051			Nilles T	HYBRID	Full Semester
		6:00p-10:00p	F	Staff	G-107	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Mandatory on-campus meetings on Friday 9/3, 10/15, 12/3, 6:00pm-10:00pm, SAC G-107

KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)

KNIA 128, CONDITIONING FOR ATHLETES **1.0 UNIT**

An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength. This course is offered as a half-unit or one-unit class.

F2F	02144	2:30p-3:55p	Tu Th	Gonzales F	G-103	Full Semester
F2F	02011	3:35p-5:00p	M W	Breig D	G-103	Full Semester

KNIA 202, BASKETBALL-MEN **3.0 UNITS**

This course is designed for student athletes with exceptional basketball talent so they may compete in intercollegiate basketball. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to intercollegiate competition.

F2F 02012	1:25p-3:25p	M W F	Breig D	G-105	Full Semester
	3:25p-5:25p	Tu Th	Breig D	G-105	

KNIA 204, FOOTBALL-MEN **3.0 UNITS**

This course is designed for students with exceptional football talent so they may compete in intercollegiate football. The program provides competition with conference colleges as well as with other California community colleges. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

Material Fee(s): $25.00

F2F 02185	4:00p-6:30p	M Tu W Th F	Nyssen A	G-113	08/23-11/19

KNIA 210, WRESTLING-MEN **3.0 UNITS**

This course is designed for student athletes with exceptional combative skills so they may compete in intercollegiate wrestling. Emphasis is placed on successful techniques and strategies for intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

F2F 02126	4:00p-6:00p	M Tu W Th F	Silva V	W-111	Full Semester

KNIA 212, BASKETBALL-WOMEN **3.0 UNITS**

This course is designed for student-athletes with exceptional basketball talent so they may compete in intercollegiate competition. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

F2F 02158	3:25p-5:25p	M W F	Luppani M	G-105	Full Semester
	5:25p-7:25p	Tu Th	Luppani M	G-105	

KNIA 213, VOLLEYBALL-WOMEN **3.0 UNITS**

This course is desinged for student athletes with exceptional volleyball talent so they may compete in intercollegiate competition. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition.

F2F 02007	2:00p-4:00p	M	Abbey T	W-107	Full Semester
	1:25p-3:25p	Tu Th	Staff	G-105	
	5:25p-7:25p	W F		G-105	

KNIA 216, SOCCER-MEN **3.0 UNITS**

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

F2F 02125	2:50p-4:50p	M Tu W Th F	Vasquez J	G-118	Full Semester

KNIA 219, CROSS COUNTRY-WOMEN **3.0 UNITS**

This course is designed for student athletes with advanced running skills so they may compete in intercollegiate cross country. Emphasis is placed upon application of cross country techniques, advanced training modalities, rules and regulations of the sport and strategies for succesful intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

F2F 02152	1:30p-3:30p	M Tu W Th F	Mitzel M	G-113	Full Semester

KNIA 220, SOCCER-WOMEN **3.0 UNITS**

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

F2F 01999	1:30p-3:55p	M Tu W Th F	Baquero J	G-118	08/23-11/26

KNIA 223, BASEBALL **1.0 UNIT**

This course is designed for skill development and conditioning for intercollegiate baseball players. Emphasis is placed upon instruction and training in the skills, fundamentals, knowledge, strategies, conditioning, and teamwork required for intercollegiate level baseball. This course is offered as a half-unit or one-unit class in the class schedule.

F2F 02055	TBA		Nilles T	G-115	Full Semester

Section 02055, meet in room W-101 on Monday, August 23 at 3:30pm

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

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

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

Low cost or free textbooks:

OER **OER**

ZTC

HONORS

KNIA 235, SPEED AND AGILITY **1 UNIT**
This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

F2F 02060	11:50a-1:15p	M W	Nilles T	G-114	Full Semester

KNIA 235, SPEED AND AGILITY **0.5 UNIT**
This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

F2F 02175	2:00p-2:55p	M W	Luppani M	G-103	Full Semester
F2F 02130	3:10p-4:05p	Tu Th	Ross M	G-120	Full Semester

KNIA 271, SOFTBALL - OFF SEASON **1.0 UNIT**
This course is designed for skills development and conditioning for exceptional softball players interested in intercollegiate competition. Basic skills and fundamentals of catching, throwing, pitching, hitting and baserunning will be discussed. Offensive and defensive techniques and strategies will be practiced. This course is offered as a half-unit or one-unit class.

F2F 02131	1:30p-3:00p	Tu W Th	Ross M	G-120	08/23-11/18

KINESIOLOGY PROFESSIONAL (KNPR)

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

F2F 00313	8:35a-10:00a	Tu Th	Sos B	W-101	Full Semester

KNPR 156, SPORT PSYCHOLOGY APPLICATIONS - SOCCER **2.0 UNITS**
This course provides advanced mental training to improve soccer performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for soccer competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.
Open Entry / Open Exit

H 02000			Baquero J	HYBRID	Full Semester
	11:55a-12:45p	Tu	Staff	F-102	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

KNPR 175, THEORY OF FOOTBALL **2.0 UNITS**
Tactics and strategies applied to specific game situations incorporating evaluation of opponent's development of game plan including offense, defense, and the kicking game.

F2F 02188	3:00p-3:50p	M W F	Nyssen A	F-102	08/23-11/19

KNPR 196, SPORT PSYCHOLOGY APPLICATIONS - BASEBALL **2.0 UNITS**
This class provides advanced mental training to improve baseball performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for baseball competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.
Open Entry / Open Exit

F2F 02074	1:25p-2:20p	M W	Nilles T	W-101	Full Semester

KINESIOLOGY SPORTS MEDICINE (KNSM)

KNSM 101, INTRODUCTION TO SPORTS MEDICINE **3.0 UNITS**
This course is designed to be an introduction to the field of sports medicine/athletic training. It includes exposure to basic human anatomy and common athletic injuries as well as appropriate injury management strategies.

F2F 02088	8:35a-10:00a	Tu Th	Cuevas J	F-103	Full Semester

LAW (LAW)

LAW 100, LAW AND SOCIETY **3.0 UNITS**

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

H 99903 **Robinson K** **HYBRID** **Full Semester**

10:30a-11:30a M W Robinson K A-226

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

LAW 105, THE LEGAL ENVIRONMENT OF BUSINESS **3.0 UNITS**

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

F2F 99902 6:00p-9:10p W Liang M A-130 Full Semester

This class meets on-campus. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

MANAGEMENT (MGMT)

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

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

H 01056 **Shweiri G** **HYBRID** **08/23-10/17**

6:00p-9:10p W Shweiri G A-207

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MGMT 122, BUSINESS COMMUNICATIONS **3.0 UNITS**

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

F2F 01092 10:20a-11:45a M W Ursuy C A-203 Full Semester

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

MANUFACTURING TECHNOLOGY (MNFG)

MNFG 096, MANUFACTURING TECHNOLOGY LAB APPLICATION **0.5 - 4.0 UNITS**

A supplemental learning assistance course that provides supervised use of laboratory equipment for students enrolled in CNC machine courses to complete machine setup and operation projects. Students are expected to complete 24 lab hours for each .5 unit of credit. May be repeated up to the maximum number of units.
Corequisite: Manufacturing Technology 174 or Manufacturing Technology 176 or Manufacturing Technology 177 or Manufacturing Technology 184 or Manufacturing Technology 186 or Manufacturing Technology 194 or Manufacturing Technology 195.

F2F 02310 8:30a-10:30a Sa Singh N T-107 Full Semester

A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02311** **10:30a-12:30p** **Sa** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02312** **1:00p-3:00p** **Sa** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02313** **3:00p-5:00p** **Sa** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02283** **5:00p-7:00p** **M** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02287** **5:00p-7:00p** **W** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02314** **5:30p-7:30p** **Tu** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02317** **5:30p-7:30p** **Th** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02285** **7:00p-9:00p** **M** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02288** **7:00p-9:00p** **W** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02316** **7:30p-9:30p** **Tu** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

F2F **02320** **7:30p-9:30p** **Th** **Singh N** **T-107** **Full Semester**
A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

MNFG 130A, CATIA I **3.0 UNITS**

Introductory course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics include: CAD overview, sketching, basic solid model creation (base features, pads, pockets, grooves, shafts, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation.

F2F **02327** **9:00a-12:10p** **Sa** **Staff** **A-225** **Full Semester**
This class meets on campus.

MNFG 130B, CATIA II **3.0 UNITS**

Intermediate course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics: intermediate/ advanced level sketching and modeling (sweeps, ribs, slots), feature editng and transformation, assemblies, drawing workbench, surface modeling, and other CATIA modules.
Recommended Preparation: Manufacturing Technology 130A or Engineering 130A with a minimum grade of C.

F2F **02329**	**9:00a-12:10p**	**Sa**	**Staff**	**A-225**	**Full Semester**

This class meets on campus.

MNFG 158, BASIC MACHINING CONCEPTS AND OPERATIONS **3.0 UNITS**

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. (Same as Engineering 158)

RB **02397**	**8:30a-9:35a**	**Sa**	**Buechler M**	**RB**	**Full Semester**
	9:45a-1:35p	**Sa**	**Bright T**	**T-107**	
	2:00p-5:50p	**Sa**		**T-107**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

RB **02333**	**5:00p-8:50p**	**M W**	**Buechler M**	**T-107**	**Full Semester**
	9:00p-9:30p	**M W**	**Buechler M**	**RB**	

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

RB **02405**	**5:30p-9:20p**	**Tu Th**	**Buechler M**	**T-107**	**Full Semester**
	9:30p-10:00p	**Tu Th**	**Buechler M**	**RB**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

MNFG 159, ADVANCED TURNING CONCEPTS AND OPERATIONS **3.0 UNITS**

Machine turning theory and skill development with emphasis on lathe principles, capabilities, and operations. Includes construction, tool grinding, and turning machine operations such as diameter turning and boring, external and internal single point treading.
Prerequisite: Manufacturing Technology 158 or Engineering 158 with a minimum grade of C.

RB **02402**	**8:30a-9:35a**	**Sa**	**Buechler M**	**RB**	**Full Semester**
	9:45a-1:35p	**Sa**	**Bright T**	**T-107**	
	2:00p-5:50p	**Sa**		**T-107**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

RB **02340**	**5:00p-8:50p**	**M W**	**Buechler M**	**T-107**	**Full Semester**
	9:00p-9:30p	**M W**	**Buechler M**	**RB**	

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

RB **02408**	**5:30p-9:20p**	**Tu Th**	**Buechler M**	**T-107**	**Full Semester**
	9:30p-10:00p	**Tu Th**	**Buechler M**	**RB**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

MNFG 168, ADVANCED MILLING CONCEPTS AND OPERATIONS **3.0 UNITS**

Advanced machine tool operation and setup with emphasis on milling machine principles, use and capabilities, accessories, and operations. Includes operations with the offset boring head and rotary table.
Prerequisite: Manufacturing Technology 158 or Engineering 158 with a minimum grade of C.

RB **02403**	**8:30a-9:35a**	**Sa**	**Buechler M**	**RB**	**Full Semester**
	9:45a-1:35p	**Sa**	**Bright T**	**T-107**	
	2:00p-5:50p	**Sa**		**T-107**	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

RB 02351	5:00p-8:50p	M W	Buechler M	T-107	Full Semester
	9:00p-9:30p	M W	Buechler M	RB	

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

RB 02411	5:30p-9:20p	Tu Th	Buechler M	T-107	Full Semester
	9:30p-10:00p	Tu Th	Buechler M	RB	

Remote Blended. A portion of Lab will be conducted in person on day and time indicated. Regulations of significantly reduced capacity, social distancing and personal protective equipment will be observed. Students are required to log on to Canvas on the first day of classes. rsccd.instructure.com

MARKETING (MKTG)

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

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

F2F 01136	6:00p-9:10p	Th	Solares E	A-205	Full Semester

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

MKTG 116, GLOBAL MARKETING: SELLING AROUND THE WORLD **3.0 UNITS**

Learn how to adapt marketing techniques to international markets, how to develop marketing strategies, and how to target markets based on the cultural, political and economic environments. Learn how to create forecasts and budgets for international markets.

H 01052			Ursuy C	HYBRID	10/18-12/12
	6:00p-9:10p	Tu	Ursuy C	A-203	

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

MATHEMATICS (MATH)

MATH 040, SUPPORT FOR COLLEGE ALGEBRA **0.5 UNIT**

A review of mathematics topics from Elementary and Intermediate Algebra which are needed to be successful in College Algebra. Intended to be taken concurrently with College Algebra (Math 140) for students who did not directly place into Math 140, or for students who would like to supplement their learning with prerequisite skills.
Corequisite: Concurrent enrollment in Mathematics 140.

F2F 03505	10:50a-11:40a	M W	Staff	H-107	Full Semester

Section #03505 is linked with Math 140 #03500 Enrollment in both sections is mandatory. This class will meet on campus.

F2F 98834	8:55p-9:45p	Tu Th	Meier K	R-128	Full Semester

Section #98834 is linked with Math 140 #98833. Enrollment in both sections is mandatory. This class will meet on campus.

MATH 140, COLLEGE ALGEBRA **4.0 UNITS**

Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.
Prerequisite: Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 140 according to the Santa Ana College Math Department's placement standards.

F2F 03500	8:35a-10:40a	M W	Staff	H-107	Full Semester

Section #03500 is linked with Math 040 #03505. Enrollment in both sections is mandatory. This class will meet on campus.

F2F 98833	6:40p-8:45p	Tu Th	Meier K	R-128	Full Semester

Section #98833 is linked with Math 040 #98834. Enrollment in both sections is mandatory. This class will meet on campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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

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

F2F **03487**	**10:20a-12:25p**	**M W**	**Staff**	**R-114**	**Full Semester**

This class will meet on campus.

MATH 221, STATISTICS AND PROBABILITY WITH SUPPORT **4.5 UNITS**

Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. Integrated review includes concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and critical thinking skills from descriptive statistics that are needed to understand the basics of college-level statistics. Intended for students who did not directly place into Math 219 or for students that would like to supplement their learning with prerequisite skills needed for Statistics.

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 211 according to the Santa Ana College Math Department's placement standards.

F2F **98891**	**8:35a-10:40a**	**Tu Th**	**Corp R**	**R-128**	**Full Semester**
	10:50a-11:40a	**Tu Th**	**Corp R**	**R-128**	

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

F2F **98887**	**11:55a-2:00p**	**M W**	**Corp R**	**R-128**	**Full Semester**
	2:10p-3:00p	**M W**	**Corp R**	**R-128**	

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

MEDICAL ASSISTANT (MA)

MA 001, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL **1.0 - 4.0 UNITS**

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

Prerequisite: Medical Assistant 051A, Medical Assistant 051B, Medical Assistant 053 and Medical Assistant 055 with a minimum grade of C.

Open Entry / Open Exit

RB **97793**	**10:00a-11:30a**	**Tu**	**Emley C**	**RB**	**08/23-12/11**
	10:00a-11:30a	**Tu**	**Staff**	**R-303-1**	

Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated, rsccd.instructure.com. Section # 97793 meets on 8/24, 8/31, and 11/30 from 10:00am-11:30am in R-303-1. Student arranges work experience placement. Number of units is based on number of hours; to be arranged. Healthcare experience is required. There is no additional textbook cost for this ZTC class.

MA 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS **0.5 UNIT**

Presentation of California Occupational Safety and Health Act (Cal-OSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to hepatitis, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

RB **97794**	**8:00a-12:30p**	**F**	**Emley C**	**RB**	**10/22-10/29**

Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated, rsccd.instructure.com. Section #97794 meets for 4.5 hours on 2 days (10/22/21 and 10/29/21) in R-307 from 08:00AM to 12:30PM. There is no additional textbook cost for this ZTC class.

MA 030, PHLEBOTOMY **1.0 UNIT**

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

H	97795		Emley C	HYBRID	09/03-10/16
	9:00a-3:00p	F Sa	Emley C	R-307	

Section #97795 has online instruction plus mandatory meetings on campus for lab on 10/15/21 and 10/16/21, 09:00AM - 03:00PM in R-307 in Russell Hall. 1.5 hours to be arranged. There is no additional textbook cost for this ZTC class.

H	97796		Emley C	HYBRID	10/22-12/04
	9:00a-3:00p	F Sa	Emley C	R-307	

Section #97796 has online instruction plus mandatory meetings on campus for lab on 12/3/21 and 12/4/21, 09:00AM - 03:00PM, R-307 in Russell Hall. 1.5 hours to be arranged. There is no additional textbook cost for this ZTC class.

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

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

F2F	03779	8:35a-11:45a	Sa	Staff	R-307	Full Semester

MA 055, MEDICAL ASSISTANT - CLINICAL BACK OFFICE **3.0 UNITS**

Medical back office with emphasis on asepsis, sterilization, gloving and ungloving, assisting physician with exams and minor office surgical procedures, vital signs, vision testing, wound care, dressings, bandaging, specimen collections, medications, dosage calculations and injection techniques.

RB	97809	2:15p-5:25p	Tu	Emley C	RB	08/23-12/11
		2:15p-5:25p	Tu	Staff	R-307	

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

RB	97810	6:00p-9:10p	Tu	Emley C	RB	08/23-12/11
		6:00p-9:10p	Tu	Staff	R-307	

Remote blended. Students attend virtually on Canvas and meet for on-campus instructon during the days and times indicated, rsccd.instructure.com

MUSIC (MUS)

MUS 009A, MUSIC LABORATORY **0.3 UNIT**

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Beginning level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.

Open Entry / Open Exit

F2F	01609	TBA	Kehlenbach E	N-119	Full Semester

18 hours arranged per semester.

MUS 009B, MUSIC LABORATORY II **0.3 UNIT**

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. More advanced beginning level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.

Prerequisite: Music 009A with a minimum grade of C and concurrent enrollment in a music class.

Open Entry / Open Exit

F2F	01610	TBA	Kehlenbach E	N-119	Full Semester

18 hours arranged per semester.

MUS 009C, MUSIC LABORATORY III **0.3 UNIT**

upervised work on instrumental, vocal, music theory, or digital music assignments and projects. Intermediate level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.

Prerequisite: Music 009B with a minimum grade of C and concurrent enrollment in a music class.

Open Entry / Open Exit

F2F	01611	TBA	Jin J	N-119	Full Semester

18 hours arranged per semester.

MUS 009D, MUSIC LABORATORY IV **0.3 UNIT**

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Advanced level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.

Prerequisite: Music 009C with a minimum grade of C and concurrent enrollment in a music class.

Open Entry / Open Exit

F2F	**01612**	**TBA**	**Jin J**	**N-119**	**Full Semester**

18 hours arranged per semester.

MUS 101, MUSIC APPRECIATION **3.0 UNITS**

Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student's experience of music. Recommended for non-music majors.

F2F	**00982**	**8:35a-10:00a**	**M W**	**Kim J**	**N-117**	**Full Semester**

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

F2F	**00987**	**10:20a-11:45a**	**M W**	**Lee S**	**C-104**	**Full Semester**

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

MUS 102, WORLD MUSIC **3.0 UNITS**

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

F2F	**00997**	**8:35a-10:00a**	**M W**	**Marr J**	**N-114**	**Full Semester**

MUS 102H, HONORS WORLD MUSIC **3.0 UNITS**

An enriched, in-depth study of music from Asia, Africa, the Middle East, Europe, and the Americas. Seminar-style critical investigation of the interconnections of style, culture, and aesthetics to promote enjoyment and understanding of world music.

F2F	**01005**	**8:35a-10:00a**	**M W**	**Marr J**	**N-114**	**Full Semester**

MUS 103, JAZZ IN AMERICA **3.0 UNITS**

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

F2F	**01009**	**11:55a-1:20p**	**Tu Th**	**Briones M**	**N-114**	**Full Semester**

ULINK: Section 01009, Music 103 is linked to CNSL 107, Section 98730. Enrollment in all sections is mandatory.

MUS 104, ROCK MUSIC HISTORY AND APPRECIATION **3.0 UNITS**

Historical survey of rock music from its beginnings in the 50's to the present. Major rock and pop styles will be discussed. Personalities and musical styles will be related to the social, political, and cultural context of the time.

F2F	**01026**	**8:35a-10:00a**	**Tu Th**	**Wachs M**	**N-117**	**Full Semester**
F2F	**01027**	**6:30p-9:40p**	**M**	**Hizon V**	**A-210**	**Full Semester**

MUS 111, BASIC MUSIC THEORY AND MUSICIANSHIP I **4.0 UNITS**

Introductory level course in music theory and its applications in traditional and modern musical practice. Includes detailed study of rhythm, notation, scales, intervals, chords, diatonic harmony, and voice leading as well as sight singing and other musicianship skills. Ability to read music in at least one clef recommended. Required of music majors; open to non-majors.

F2F	**01613**	**6:00p-10:25p**	**Th**	**Marr J**	**N-114**	**Full Semester**

1.5 hours arranged per week.

MUS 113A, BASIC MUSICIANSHIP SKILLS **1.0 UNIT**

Ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training computer programs. Basic knowledge of scales, intervals, and major key signatures recommended.

F2F	**01614**	**5:00p-5:50p**	**Th**	**Marr J**	**N-105**	**Full Semester**

1 hour 25 minutes arranged each week.

MUS 113B, MUSICIANSHIP SKILLS **1.0 UNIT**

Continued ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training programs. Basic knowledge of scales and intervals recommended.

Prerequisite: Music 113A with a minimum grade of C.

F2F **01615** **5:00p-5:50p** **Th** **Marr J** **N-105** **Full Semester**

1 hour 25 minutes arranged each week.

MUS 114A, MUSICIANSHIP **1.0 UNIT**

Competency-based sightsinging, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear training software in the Music Lab is used for aural exercises.

Prerequisite: Music 112 with a minimum grade of C.

F2F **01616** **6:00p-6:50p** **Th** **Kehlenbach E** **N-105** **Full Semester**

2 hours 30 minutes arranged each week.

MUS 114B, MUSICIANSHIP **1.0 UNIT**

Competency-based sightsinging, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear Training software in the Music Lab is used for aural exercises. B semester uses more advanced materials.

Prerequisite: Music 114A with a minimum grade of C.

F2F **01617** **6:00p-6:50p** **Th** **Kehlenbach E** **N-105** **Full Semester**

2 hours 30 minutes arranged each week.

MUS 115A, APPLIED MUSIC (PRIVATE INSTRUCTION) **1.5 UNITS**

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar. Five hours on-campus practice per week and attendance at weekly recital required. B, C, and D semesters require study of more advanced repertoire. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

F2F **01694** **TBA** **Briones M** **C-104** **Full Semester**

New students interested in Applied Music instruction should attend the orientation meeting Tues. Aug 24, 2021, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more information call 714-564-5655 or email Briones_Michael@sac.edu 92 arranged hours per semester.

MUS 115B, APPLIED MUSIC (PRIVATE INSTRUCTION) **1.5 UNITS**

Weekly lesson in voice, piano, band/orchestra instrument, or classical guitar, covering more advanced repertoire than Music 115A. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

F2F **01698** **TBA** **Briones M** **C-104** **Full Semester**

New students interested in Applied Music instruction should attend the orientation meeting Tues. Aug 24, 2021, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more information call 714-564-5655 or email Briones_Michael@sac.edu 92 arranged hours per semester.

MUS 115C, APPLIED MUSIC (PRIVATE INSTRUCTION) **1.5 UNITS**

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115B. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

F2F **01700** **TBA** **Briones M** **C-104** **Full Semester**

New students interested in Applied Music instruction should attend the orientation meeting Tues. Aug 24, 2021, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more information call 714-564-5655 or email Briones_Michael@sac.edu 92 arranged hours per semester.

MUS 115D, APPLIED MUSIC (PRIVATE INSTRUCTION) **1.5 UNITS**

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115C. Five hours on campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

F2F	**01701**	**TBA**	**Briones M**	**C-104**	**Full Semester**

New students interested in Applied Music instruction should attend the orientation meeting Tues. Aug 24, 2021, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more information call 714-564-5655 or email Briones_Michael@sac.edu 92 arranged hours per semester.

MUS 121, BEGINNING VOICE **1.0 UNIT**

Group instruction designed to develop basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non- music majors and for music majors not studying privately.

F2F	**01094**	**5:00p-5:50p**	**Tu**	**Jones E**	**P-100**	**Full Semester**
		6:00p-6:50p	**Tu**	**Jones E**	**P-100**	

MUS 122, INTERMEDIATE VOICE **1.0 UNIT**

Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control, and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level. Designed for both music majors and non-music majors.

Prerequisite: Music 121 with a minimum grade of C.

F2F	**01097**	**5:00p-5:50p**	**Tu**	**Jones E**	**P-100**	**Full Semester**
		6:00p-6:50p	**Tu**	**Jones E**	**P-100**	

MUS 123, ADVANCED VOICE **1.0 UNIT**

Group instruction designed to present advanced vocal exercises for solo and choral vocal production. Instruction includes song literature in English and several foreign languages. Practice outside of class required. Designed for both music majors and non-music majors.

Prerequisite: Music 122 with a minimum grade of C.

F2F	**01099**	**5:00p-5:50p**	**Tu**	**Jones E**	**P-100**	**Full Semester**
		6:00p-6:50p	**Tu**	**Jones E**	**P-100**	

MUS 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE **1.0 UNIT**

Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production through a variety of vocalize styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non-music majors.

Prerequisite: Music 123 with a minimum grade of C.

F2F	**01100**	**5:00p-5:50p**	**Tu**	**Jones E**	**P-100**	**Full Semester**
		6:00p-6:50p	**Tu**	**Jones E**	**P-100**	

MUS 135, CONCERT CHORALE **1.0 UNIT**

Rehearsal and performance of standard and current choral repertoire. Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills.

F2F	**01710**	**7:00p-10:10p**	**Tu**	**Jones E**	**N-117**	**Full Semester**

MUS 136, COLLEGIATE CHOIR **1.0 UNIT**

Mixed chorus which rehearses and performs a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of new repertoire.

F2F	**01712**	**7:00p-10:10p**	**Tu**	**Jones E**	**N-117**	**Full Semester**

MUS 137, CHAMBER CHOIR **1.0 UNIT**

Rehearsal and performance of chamber choir repertoire from various historical periods. Course designed for festival and concert performance. Each semester requires the performance of new repertoire.

F2F	**01715**	**3:20p-4:55p**	**M W**	**Jones E**	**N-117**	**Full Semester**

1 hour arranged per week.

MUS 141, INSTRUMENTAL ENSEMBLES **1.0 UNIT**

Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended.

F2F 01242	2:50p-6:00p	Th	Viramontes E	P-100	Full Semester

MUS 142, CREATING MUSIC ON THE DIGITAL AUDIO WORKSTATION **1.0 UNIT**

Basic techniques in creating music with computer assisted technology, including the production of software instrument tracks, drum track programming, audio recording, editing, mixdown, and use of the software sampler. Students learn practical applications through creation of musical projects.

F2F 01114	11:20a-12:10p	Tu Th	Marr J	DMC-204	08/23-10/14
	12:20p-1:25p	Tu Th	Marr J	DMC-204	

MUS 143, INTERMEDIATE TECHNIQUES ON THE DIGITAL AUDIO WORKSTATION **1.0 UNIT**

Intermediate techniques in creating music with computer assited technology including digital sound manipulation, time and pitch editing, virtual mixing, auxilliary tracks, MIDI effects, and use of the software sampler. Students learn practical applications and electronic composition through creation of musical projects.

Prerequisite: Music 142 with a minimum grade of C.

F2F 01122	11:20a-12:25p	Tu Th	Marr J	DMC-204	10/19-12/12
	12:35p-1:40p	Tu Th	Marr J	DMC-204	

MUS 144, PROJECTS IN ELECTRONIC MUSIC **1.0 UNIT**

Exploration of digital recording and MIDI concepts for commercial applications. Individual projects will improve and extend students' skills in the areas of composition, sequencing, and recording. Assigments will help prepare students for level 1 certification in logic.

Prerequisite: Music 143 or Music 147 with a minimum grade of C.

F2F 01125	11:20a-12:25p	Tu Th	Marr J	DMC-204	10/19-12/12
	12:35p-1:40p	Tu Th	Marr J	DMC-204	

MUS 147, DIGITAL RECORDING STUDIO SOUND DESIGN **2.0 UNITS**

Techniques of sound design in the digital recording studio including creation of sampler instruments, classic analog synthesizer programming, and other techniques of original sound creation using digital audio manipulation. Some prior experience on a digital audio workstation recommended.

F2F 01141	11:25a-1:35p	M W	D'Ignazio R	DMC-204	10/18-12/12

MUS 152, BEGINNING AUDIO PRODUCTION **3.0 UNITS**

ntroduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

F2F 01145	4:00p-5:25p	M W	Garcia J	DMC-204	Full Semester
	5:25p-5:55p	M W	Garcia J	DMC-204	

MUS 153, INTRODUCTION TO GAME AUDIO **2.0 UNITS**

Introduction to the techniques and implementation of audio production in game design including the incorporation of music, dialog and sound effects. Recording, editing, digital effect application, looping, layering, and mixing for an interactive game environment are covered.

F2F 01149	10:20a-11:50a	M W	D'Ignazio R	DMC-204	08/23-10/13
	12:00p-1:30p	M W	D'Ignazio R	DMC-204	

MUS 161, CLASS PIANO I **1.0 UNIT**

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

F2F 01151	12:00p-12:50p	M	Lee S	N-106	Full Semester
	12:00p-12:50p	W	Lee S	N-106	
F2F 01159	7:00p-7:50p	Tu	Nguyen H	N-106	Full Semester
	8:00p-8:50p	Tu	Nguyen H	N-106	

MUS 162, CLASS PIANO II **1.0 UNIT**

Group instruction for those possessing basic piano skills, but still classified as beginners. Emphasizes note reading, keyboard technique, chord patterns, and sightreading. Daily practice required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

Prerequisite: Music 161 with a minimum grade of C.

F2F 01163	12:10p-1:00p	Tu	Jin J	N-106	Full Semester
	12:10p-1:00p	Th	Jin J	N-106	
F2F 01210	6:00p-6:50p	W	Jin J	N-106	Full Semester
	7:00p-7:50p	W	Jin J	N-106	

MUS 163, CLASS PIANO III **1.0 UNIT**

Instruction for students who have completed two semesters of piano and are ready for the intermediate level. Emphasizes building technique, sight reading, and performance. Daily practice required. Practice pianos available on campus.

Prerequisite: Music 162 with a minimum grade of C.

F2F 01164	12:10p-1:00p	Tu	Jin J	N-106	Full Semester
	12:10p-1:00p	Th	Jin J	N-106	
F2F 01211	7:00p-7:50p	W	Jin J	N-106	Full Semester
	8:00p-8:50p	W	Jin J	N-106	

MUS 164A, INTERMEDIATE PIANO REPERTOIRE I **1.0 UNIT**

Instruction for intermediate level students. Emphasizes solo material, technique, sight reading, interpretation, and performance. Daily practice required. Practice pianos available on campus.

Prerequisite: Music 163 with a minimum grade of C.

F2F 01165	1:10p-1:40p	Th	Jin J	N-106	Full Semester
	12:40p-1:35p	Tu	Jin J	N-106	
F2F 01212	8:25p-8:50p	W	Jin J	N-106	Full Semester
	7:00p-8:25p	W	Jin J	N-106	

MUS 164B, INTERMEDIATE PIANO REPERTOIRE II **1.0 UNIT**

Continuation of instruction for advanced intermediate level students. Emphasizes solo material, technique, sight reading, and performance. Daily practice required. Practice pianos available on campus.

Prerequisite: Music 164A with a minimum grade of C.

F2F 01168	1:10p-1:40p	Th	Jin J	N-106	Full Semester
	12:40p-1:35p	Tu	Jin J	N-106	
F2F 01213	8:25p-8:50p	W	Jin J	N-106	Full Semester
	7:00p-8:25p	W	Jin J	N-106	

MUS 168, STYLISTIC INTERPRETATION OF PIANO REPERTOIRE **1.0 UNIT**

Style characteristics of Baroque, Classical, Romantic and 20th century music studied through representative piano compositions. Students learn to play expressively within currently accepted performance practices for each period. Not for beginners.

Prerequisite: Music 163 with a minimum grade of C.

F2F 01169	12:40p-1:30p	Tu	Jin J	N-106	Full Semester
	12:40p-1:30p	Th	Jin J	N-106	
F2F 01214	7:00p-7:50p	W	Jin J	N-106	Full Semester
	8:00p-8:50p	W	Jin J	N-106	

MUS 171, CONCERT BAND **1.0 UNIT**

Study and rehearsal of band music for concert performances on campus and in the community. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

F2F 01231	6:35p-9:55p	W	Briones M	P-100	Full Semester

MUS 175, JAZZ ENSEMBLE **1.0 UNIT**

Study, rehearsal, and performance of contemporary jazz/rock music for the jazz ensemble with help in developing techniques of improvisation. Each semester requires performance of new and different jazz repertoire. Designed for students with basic performance skills.

v01245	6:35p-9:45p	M	Briones M	P-100	Full Semester

MUS 176, JAZZ BAND **1.0 UNIT**

Advanced study, rehearsal, and performance of standard and contemporary jazz literature. Includes advanced techniques in improvisation. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

F2F 01246	6:35p-9:45p	M	Briones M	P-100	Full Semester

MUS 178, MARIACHI **1.0 UNIT**

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

F2F 01241	2:50p-6:00p	Th	Viramontes E	P-100	Full Semester

MUS 180A, STRING METHODS **1.0 UNIT**

Beginning instruction on violin, viola, cello, or string bass. Fundamental skills developed through in-class rehearsal and performance of technical exercises and beginning orchestral repertoire.

F2F 01752	6:00p-6:50p	Tu	Kaye J	N-114	Full Semester
	7:00p-7:50p	Tu	Kaye J	N-114	

MUS 180B, INTERMEDIATE STRING METHODS **1.0 UNIT**

Intermediate instruction on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of intermediate technical exercises and orchestral repertoire.

Prerequisite: Music 180A with a minimum grade of C.

F2F 01753	6:00p-6:50p	Tu	Kaye J	N-114	Full Semester
	7:00p-7:50p	Tu	Kaye J	N-114	

MUS 180C, ADVANCED STRING METHODS **1.0 UNIT**

Advanced instrucon on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of advanced technical exercises and orchestral repertoire.

Prerequisite: Music 180B with a minimum grade of C.

F2F 03304	6:00p-6:50p	Tu	Kaye J	N-114	Full Semester
	7:00p-7:00p	Tu	Kaye J	N-114	

MUS 181, CHAMBER ORCHESTRA **1.0 UNIT**

Rehearsal and performance of standard repertoire for chamber orchestra. Each semester requires the performance of a variety of different repertoire. Designed for students who have basic performance skills.

F2F 01754	6:00p-9:10p	Tu	Kaye J	N-114	Full Semester

MUS 185, BEGINNING CLASSICAL GUITAR **1.0 UNIT**

Guitar playing techniques of right hand and left hand fingers. Development of correct finger usage. Basic instruction in reading staff notation and relating staff notation to practical playing of solo and ensemble repertoire. Student must furnish nylon string guitar.

F2F 01756	2:00p-2:50p	M	D'Ignazio R	N-114	Full Semester
	2:00p-2:50p	W	D'Ignazio R	N-114	
F2F 01216	6:10p-7:00p	M	Adele D	N-117	Full Semester
	7:10p-8:00p	M	Adele D	N-117	

MUS 186, INTERMEDIATE CLASSICAL GUITAR **1.0 UNIT**

Instruction at the intermediate level in solo, duo, and trio repertoire. Emphasizes technique studies and performance styles of 18th century music. Student must provide nylon string guitar.

Prerequisite: Music 185 with a minimum grade of C.

F2F 01217	7:10p-8:00p	M	Adele D	N-117	Full Semester
	8:10p-9:00p	M	Adele D	N-117	

MUS 187, ADVANCED CLASSICAL GUITAR **1.0 UNIT**

Instruction at the advanced level in solo, duo, and trio repertoire. Emphasizes advanced technical studies and etudes and performance styles of 16th through 20th century music. Student must provide nylon string guitar.

Prerequisite: Music 186 with a minimum grade of C.

F2F 01218	8:45p-9:15p	M	Adele D	N-117	Full Semester
	7:10p-8:35p	M	Adele D	N-117	

MUS 188, ADVANCED CLASSICAL GUITAR TECHNIQUE AND REPERTOIRE **1.0 UNIT**

Study of advanced guitar technique, solo literature, and performance practices of Renaissance, Baroque, and Classical styles through 20th century music. Student must provide nylon string guitar.

Prerequisite: Music 187 with a minimum grade of C.

F2F	**01219**	**7:10p-8:00p**	**M**	**Adele D**	**N-117**	**Full Semester**
		8:10p-9:00p	**M**	**Adele D**	**N-117**	

MUS 189, GUITAR ENSEMBLE **1.0 UNIT**

Rehearsal and performance of standard and current repertoire for guitar ensemble. Each semester requires the performance of a variety of different repertoire. Designed for students who can read notes in first position.

F2F	**01249**	**10:00a-1:10p**	**Sa**	**Adele D**	**N-114**	**Full Semester**

MUS 213, THEORY 3 **3.0 UNITS**

Continuation of diatonic harmony from Music 112. Chromatic harmony introduced. Includes non-dominant seventh chords, secondary dominants, modulation, and altered chords. Keyboard harmony. Concurrent enrollment in Music 114A recommended. Required for music majors; open to non-majors.

Prerequisite: Music 112 with a minimum grade of C.

F2F	**02989**	**7:00p-10:10p**	**Th**	**Kehlenbach E**	**N-117**	**Full Semester**

MUS 215A, APPLIED MUSIC (ADVANCED PRIVATE INSTRUCTION) **1.5 UNITS**

Advanced lessons in classical music in voice, piano, band/orchestral instrument, or guitar. Weekly requirements include five hours on-campus practice per week, weekly lessons, and weekly recital attendance.

Prerequisite: Music 115D with a minimum grade of C and audition and concurrent enrollment in a music ensemble or music theory course.

F2F	**01719**	**TBA**		**Briones M**	**C-104**	**Full Semester**

New students interested in Applied Music instruction should attend the orientation meeting Tues. Aug 24, 2021, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more information call 714-564-5655 or email Briones_Michael@sac.edu 92 arranged hours per semester.

MUS 241, CHAMBER MUSIC ENSEMBLE **1.0 UNIT**

Rehearsal and performance of music of various periods and styles for small instrumental, vocal, or combined ensembles. Each semester requires performance of new repertoire. Designed for students with previous performance experience.

F2F	**01250**	**1:00p-3:10p**	**Sa**	**Adele D**	**N-114**	**Full Semester**
F2F	**01243**	**2:50p-6:00p**	**Th**	**Viramontes E**	**P-100**	**Full Semester**
F2F	**01717**	**3:20p-4:55p**	**M W**	**Jones E**	**N-117**	**Full Semester**
F2F	**01755**	**6:00p-9:10p**	**Tu**	**Kaye J**	**N-114**	**Full Semester**

MUS 268, INTERMEDIATE KEYBOARD REPERTOIRE **1.0 UNIT**

Style characteristics of Baroque, Classical, Romantic, and 20th century music studied through intermediate level piano compositions. Students learn to play expressively within currently accepted performance practices for each period.

Prerequisite: Music 168 with a minimum grade of C.

F2F	**01209**	**12:40p-1:30p**	**Tu**	**Jin J**	**N-106**	**Full Semester**
		12:40p-1:30p	**Th**	**Jin J**	**N-106**	
F2F	**01215**	**7:00p-7:50p**	**W**	**Jin J**	**N-106**	**Full Semester**
		8:00p-8:50p	**W**	**Jin J**	**N-106**	

MUS 271, SYMPHONIC BAND **1.0 UNIT**

The rehearsal and performance of band music. Preparation of standard band repertoire for performances in the community. Each semester requires performance of a variety of new and different repertoire. Designed for students with intermediate or advanced performance skills.

F2F	**01233**	**6:35p-9:55p**	**W**	**Briones M**	**P-100**	**Full Semester**

NURSING-REGISTERED (NRN)

NRN 170, PHARMACOLOGICAL CONCEPTS OF NURSING 2.0 UNITS

This pharmacology course introduces the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain related to pharmacology including: fluid and electrolyte balance, metabolism, central nervous system, cellular regulaon, oxygenaon, perfusion, reproducon, inflammaon,infecon, mobility, comfort, stress and coping, mood & affect, cognion, safety & infecon control, communicaon, professional behavior, diversity, health promoon, healthcare systems, clinical reasoning/judgment, and ethics. Further emphasis is placed on dosage calculaons, drug classificaons, and applicaon of the nursing process to drug administraon. Upon compleon, students should be able to idenfy safe nursing care incorporang the concepts discussed in this course.

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

H 97814 Papa E HYBRID 08/23-12/11
1:00p-3:05p W Staff R-114

Students are required to log onto Canvas the first day of classes:rsccd.instructure.com. Hybrid instruction, a combination of online instruction and on-campus meetings on 8/25 (orientation), 9/15, 9/22, 10/13, 10/27, 11/17, and 12/8 from 1:00pm-3:05pm in R-114.Requires Lippincott e-textbook platform. Directions for purchasing the platform will be given during orientation. Must be in the Nursing Program or have a letter from the program Director to register.

NRN 171, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS 4.5 UNITS

This course introduces and develops the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, and ethics. Upon completion, students should be able to identify and explain safe nursing care incorporating the concepts discussed in this course.

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

F2F 97816 5:00p-7:20p W Th Papa E SJH 08/23-12/11

Requires Lippincott e-textbook platform. Directions for purchasing the platform will be given during orientation. Testing fees are required. Directions for paying the fees will be emailed. Only students enrolled in the Extended Campus Program are allowed to register for section #97816.

NRN 171L, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS LAB 4.5 UNITS

This clinical course applies the concepts of NRN 171 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, ethics, and clinical competency.

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

F2F 97817 8:00a-4:00p M Tu Cleary Martin T B-5 08/23-12/11

Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. OCG Global and other locations as arranged.

F2F 97818 8:00a-4:00p M Tu Thompson A B-5 08/23-12/11

Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 Hall from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. OC Memorial and other locations as arranged.

F2F 97819 8:00a-4:00p M Tu Uffelman T B-5 08/23-12/11

Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. OC Global and other locations as arranged.

F2F 97820 8:00a-4:00p M Tu Staff B-5 08/23-12/11

Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. Fountain Valley Hospital and other locations as arranged.

F2F **97822 8:00a-4:00p Sa Papa E R-307 08/23-12/11**
Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. St. Joseph Hospital and other locations as arranged.

F2F **97823 8:00a-4:00p Sa Klein M B-5 08/23-12/11**
Only students enrolled in the Extended Campus Program are allowed to register for sections 97822 and 97833. Orientation for all NRN-171L sections is on 8/23/21 in B-5 from 8:00am-4:00pm. 243 hours to be arranged on Mondays and some Tuesdays in B-5. SCG and other locations as arranged.

NRN 172L, FAMILY HEALTH AND ILLNESS CONCEPTS LAB 4.5 UNITS

This clinical course applies the concepts of NRN 172 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including:physical growth and development, psychosocial development, cognitive development, metabolism, cellular regulation, perfusion, reproduction, infection, comfort, emergencies, oxygenation, inflammation, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, and ethics. Upon completion, students should be able to differentiate safe nursing care incorporating the concepts discussed in this Family Health and Illness Concepts Lab.

Prerequisite: Nursing-Registered 170 and Nursing-Registered 171 with a minimum grade of C, and Nursing-Registered 171L with a minimum grade of P.

F2F **97825 TBA Mayer Q FV 08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Sciences/Nursing office. Orientation for all NRN-172L sections is on 8/23/21.

F2F **97826 TBA Vasquez M OCG 08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Sciences/Nursing office. Orientation for all NRN-172L sections is 08/23/2021.

F2F **97827 TBA Ettinger B FV 08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Sciences/Nursing office. Orientation for all NRN-172L sections is 08/23/2021.

F2F **97829 TBA Bass S SJH 08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Sciences/Nursing office. Orientation for all NRN-172L sections is 08/23/2021.

NRN 271L, MENTAL HEALTH AND ACUTE CONCEPTS LAB 4.5 UNITS

This clinical course applies the concepts of NRN 271 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: metabolism, emergencies, stress & coping, mood & affect, cognition, addictive behavior, central nervous system regulation, cellular regulation, oxygenation, perfusion, inflammation, infection, mobility, comfort, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics and clinical competency.

Prerequisite: Nursing-Registered 172 with a minimum grade of C and Nursing-Registered 172L with a minimum grade of P.

F2F **97832 TBA Spady S UCI 08/23-12/06**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

F2F **97833 TBA Valtairo R COL 08/23-12/06**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

F2F **97834 TBA Delaby M SJH 08/23-12/06**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

F2F **97835 TBA Valtairo R COL 08/23-12/07**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

F2F **97836** **TBA** **Stucken R** **COL** **08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

F2F **97837** **TBA** **Rivera M** **SJH** **08/23-12/11**
243 hours to be arranged. Scheduling information is available from the Health Science/Nursing office. Only students enrolled in the Extended Campus Program are allowed to register for sections 97836 and 97837. Orientation for all NRN-271L sections will be on 8/27/21.

NRN 272L, COMPLEX CONCEPTS AND PRECEPTORSHIP LAB **4.5 UNITS**
This clinical course applies the concepts of NRN 272 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: fluid and electrolyte balance, metabolism, central nervous system regulation, oxygenation, perfusion, tissue integrity, infection, mobility, comfort, emergencies, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics, and clinical competency. Additional emphasis is placed on developing leadership skills including time management, prioritization, and delegation in an independent clinical environment precepted by an experienced registered nurse. Upon completion, students should be able to manage safe nursing care incorporating the concepts identified and discussed in the nursing curriculum.
Prerequisite: Nursing-Registered 271 with a minimum grade of C and Nursing-Registered 271L with a minimum grade of P.

F2F **97839** **TBA** **Jones L** **SJH** **08/23-12/11**
243 hours to be arranged.

F2F **97840** **TBA** **Carriger L** **OCG** **08/23-12/11**
243 hours to be arranged.

F2F **97841** **TBA** **Staff** **MH** **08/23-12/11**
243 hours to be arranged.

v97842 **TBA** **Naraghi A** **UCI** **08/23-12/11**
243 hours to be arranged.

NUTRITION AND FOOD (NUTR)

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

F2F **00530** **8:35a-11:45a** **Th** **Mathot S** **R-114** **Full Semester**
OER Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
ZTC
F2F **00522** **6:00p-9:10p** **Tu** **Grabowski A** **W-101** **Full Semester**

OCCUPATIONAL THERAPY ASSISTANT (OTA)

OTA 101L, EXPLORATION OF OCCUPATION THROUGH ACTIVITY **2.0 UNITS**
In this lab class, students will explore the meaning and variability of occupation through self-analysis of occupational patterns, perform task analysis of varied activities, and have the opportunity to observe and practice teaching and learning skills.
Prerequisite: English 101/101H, and Communication Studies 101/101H, or 102/102H or 103/103H or 140 or 145 with a minimum grade of C.

RB **01908** **TBA** **Padilla J** **RB** **Full Semester**
8:30a-11:40a **Tu Th** **Padilla J** **T-210**
Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated, rsccd.instructure.com.

OTA 102, PSYCHOSOCIAL FUNCTION AND DYSFUNCTION **4.0 UNITS**
This course will define and explore psychosocial phenomena commonly seen by the Occupational Therapy Assistant and will examine evaluation techniques, functional deficits, and methods of treatment.
Prerequisite: Occupational Therapy Assistant 100, Occupational Therapy Assistant 101, Occupational Therapy Assistant 101L and Occupational Therapy Assistant 110 with a minimum grade of C.

RB **01909** **TBA** **Hyman D** **RB** **Full Semester**
2:30p-4:35p **Tu Th** **Staff** **T-210**
Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated. rsccd.instructure.com.

OTA 102L, PSYCHOSOCIAL COMPONENTS OF OCCUPATION **2.5 UNITS**

This course will explore the occupational therapy assistant's role in therapeutic relationships, in administering assessments used primarily in pediatric, adolescent, and adult psychosocial settings, and in therapeutic group design and facilitation.

Prerequisite: Occupational Therapy Assistant 100, Occupational Therapy Assistant 101, Occupational Therapy Assistant 101L and Occupational Therapy 110 with a minimum grade of C.

RB 01910	TBA		Hyman D	RB	Full Semester
	5:15p-8:25p	Tu Th	Staff	T-210	

Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated, rsccd.instructure.com. Section 01910 has 2.5 hours arranged per week.

OTA 103, PHYSICAL FUNCTION AND DYSFUNCTION **4.0 UNITS**

This course will focus on the occupational function of the child, adolescent, and adult which emphasizes the physical components of development, the continuum of function/dysfunction of the client and the role of the O.T.A. in assessment and treatment of commonly seen physical dysfunction diagnosis.

Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

RB 01911	TBA		Wang W	RB	Full Semester
	12:30p-2:35p	M W	Wang W	T-210	

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

OTA 103L, PHYSICAL COMPONENTS OF OCCUPATION **2.5 UNITS**

This lab course explores the Occupational Therapy Assistant's role in safety, assessments and treatment techniques commonly used by occupational therapists in physical dysfunction settings.

Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

RB 01912	TBA		Vanover G	RB	Full Semester
	3:30p-6:40p	M W	Staff	T-210	

Remote Blended. Students attend virtually on Canvas and meet for on-campus instruction during the days and times indicated, rsccd.instructure.com. Section 01912 has 2.5 hours arranged per week.

OTA 110, HUMAN OCCUPATION ACROSS LIFESPAN **3.0 UNITS**

This course will explore human occupation across lifespan with an emphasis on the relationship between human development and occupational choice. Physical, cognitive, psychological, social, and linguistic developmental milestones and changes will be covered from fetal development through old age.

RB 01913	TBA		Hyman D	RB	Full Semester
	12:15p-1:40p	Tu Th	Staff	T-210	

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

OTA 201, CONTEMPORARY MODELS OF OCCUPATIONAL THERAPY PRACTICE **4.0 UNITS**

This lecture/lab course explores the multiple roles of the occupational therapy assistant in documentation, service management, professional behaviors, non-traditional roles, and contemporary models of practice.

Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

RB 01916	9:00a-10:25a	M W	McKenna-Sallade D	RB	Full Semester
	10:35a-12:00p	M W	McKenna-Sallade D	T-210	

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

PARALEGAL (PARA)

PARA 100, LAW AND SOCIETY **3.0 UNITS**

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

H	**99904**		**Robinson K**	**HYBRID**	**Full Semester**
	10:30a-11:30a	**M W**	**Robinson K**	**A-226**	

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

PARA 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM **3.0 UNITS**

An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents.

F2F	**01806**	**6:40p-9:50p**	**W**	**Huskey J**	**R-128**	**Full Semester**

This class meets on-campus.

PHARMACY TECHNOLOGY (PHAR)

PHAR 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT **0.5 - 2.0 UNITS**

On-site training in the outpatient (retail) practice setting. Students must complete PHAR 056 lab class to qualify for the outpatient rotation. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of the outpatient rotation PHAR 072A is required for the Basic Certificate. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree.

Prerequisite: Pharmacy Technology 056 with a minimum grade of C, and background checks, health screenings, current TB clearance, and drugs test clearance.

Open Entry / Open Exit

01951	**TBA**	**Dombroske L**	**08/16-01/02**

PHAR 072B, PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT **0.5 - 1.5 UNITS**

On-site training in the inpatient (hospital) practice setting. Students must complete the following lab courses prior to placement: PHAR 057 and PHAR 056. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments.

Prerequisite: Pharmacy Technology 056 and Pharmacy Technology 057 with a minimum grade of C, and background checks, health screenings, current TB clearance, and drugs test clearance.

Open Entry / Open Exit

01952	**TBA**	**Dombroske L**	**08/16-01/02**

PHAR 072C, PHARMACY TECHNOLOGY EXTERNSHIP STERILE PRODUCTS **0.5 - 1.5 UNITS**

On-site training in the home infusion or sterile products pharmacy practice setting. Students must complete the following lab course prior to placement: PHAR 060. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations(320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments.

Prerequisite: Pharmacy Technology 060 with a minimum grade of C, and background checks, health screenings, current TB clearance and drugs test clearance.

Open Entry / Open Exit

01953	**TBA**	**Dombroske L**	**08/16-01/02**

PHILOSOPHY (PHIL)

PHIL 110, CRITICAL THINKING **4.0 UNITS**

College-level critical thinking and writing. Promotes self-awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.

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

F2F 03797	6:00p-10:15p	Tu	Rodriguez A	D-209	Full Semester

PHOTOGRAPHY (PHOT)

PHOT 009, PHOTOGRAPHY LAB **0.5 UNIT**

Sign-in/out supervised laboratory. Work on assignments from other photography courses or on independent projects. Completion of new and more advanced assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in a photography course.

Open Entry / Open Exit

Material Fee(s): $15.00

F2F 01758	11:00a-12:25p	M	Schlossman J	A-217	Full Semester
	11:00a-12:25p	M	Staff	A-219	
F2F 01759	11:00a-12:25p	W	Schlossman J	A-217	Full Semester
	11:00a-12:25p	W	Staff	A-219	

PHOT 150, HISTORY OF PHOTOGRAPHY **3.0 UNITS**

A survey of the history, aesthetics, and technical evolution of photography including an in-depth view of artistic styles and individual photographers' contributions from the 19th century to the present.

F2F 01760	6:10p-9:20p	W	Marquez P	C-202	Full Semester

PHOT 180, BEGINNING PHOTOGRAPHY **3.0 UNITS**

This course provides students with an introduction to visual concepts, basic image capture, and camera functions with digital cameras. Software basics for photographic imaging and digital printing.

Material Fee(s): $15.00

F2F 03839	9:00a-11:05a	Sa	Staff	A-219	Full Semester
	11:15a-2:25p	Sa	Staff	A-219	
F2F 01763	1:30p-2:20p	Tu Th	Schlossman J	A-219	Full Semester
	2:30p-3:55p	Tu Th	Schlossman J	A-219	
F2F 01762	5:00p-7:05p	M	Zumpfe K	A-219	Full Semester
	7:15p-10:20p	M	Zumpfe K	A-219	

PHOT 191, COMMERCIAL STUDIO PRACTICES **3.0 UNITS**

Instruction in specialized technical alternatives utilized in commercial studio photography. Emphasis will be on professional image-making with digital cameras, using scanning, digital printing, and commercial lighting techniques.

Prerequisite: Photography 180 with a minimum grade of C.

Material Fee(s): $15.00

F2F 01765	5:00p-5:50p	Tu Th	Schlossman J	A-219	Full Semester
	6:00p-7:25p	Tu Th	Schlossman J	A-219	

PHOT 291, WEDDING AND QUINCEA√±ERA PHOTOGRAPHY **3.0 UNITS**

Instruction in fundamental concepts, equipment demands, and photographic techniques used by contemporary wedding/quincea√±era photographers.

Prerequisite: Photography 180 with a minimum grade of C.

F2F 01764	1:30p-2:20p	M W	Schlossman J	A-219	Full Semester
	2:30p-3:55p	M W	Schlossman J	A-219	

PHYSICAL SCIENCE (PSC)

PSC 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS **4.0 UNITS**

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in lab through inquiry and further developed during discussion. Completion of Math N48 is recommended (Same as Chemistry 115).

F2F 02225	7:00a-10:10a	M	Pratt C	R-302	Full Semester
	7:00a-10:10a	W	Pratt C	R-302	

This class will meet on campus.

POLITICAL SCIENCE (POLT)

POLT 101, AMERICAN GOVERNMENT AND POLITICS **3.0 UNITS**

Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government.

F2F 97853	8:35a-10:00a	Tu Th	Andrade P	D-101	Full Semester

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

F2F 97821	9:00a-12:10p	Sa	Petri M	D-101	Full Semester
F2F 97855	6:30p-9:40p	Tu	Becker C	D-106	Full Semester

POLT 200, AMERICAN POLITICAL THOUGHT **3.0 UNITS**

Examination of various theoretical approaches to politics within the American political context. Analysis of selected political theories and their application to American politics.

F2F 97866	10:15a-11:40a	Tu Th	Andrade P	D-101	Full Semester

PSYCHOLOGY (PSYC)

PSYC 100, INTRODUCTION TO PSYCHOLOGY **3.0 UNITS**

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

F2F 97914	7:05a-8:30a	M W	Pedroza J	D-101	Full Semester

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

F2F 97915	7:05a-8:30a	Tu Th	Pedroza J	D-101	Full Semester

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

F2F 97916	9:35a-11:00a	M W	Pedroza J	D-401	Full Semester

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

F2F 97918	11:10a-12:35p	M W	Pedroza J	D-105	Full Semester

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

F2F 97919	11:10a-12:35p	Tu Th	Pedroza J	D-105	Full Semester

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

PSYC 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY **3.0 UNITS**

Introduction to the commonly diagnosed psychological disorders. Includes psychophysiological disorders, anxiety, depression, substance abuse, sexual dysfunctions, schizophrenia, developmental, cognitive, and personality disorders. Emphasis is on identification, symptomatology, etiology, and methods of therapeutic intervention.
Prerequisite: Psychology 100/100H with a minimum grade of C.

F2F 97962	9:35a-11:00a	Tu Th	Pedroza J	D-401	Full Semester

SPANISH (SPAN)

SPAN 101, ELEMENTARY SPANISH I **5.0 UNITS**

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

F2F	98515	8:00a-10:30a	M W	Fuentes Sanchez A	D-302	Full Semester
F2F	98516	10:40a-1:10p	M W	Fuentes Sanchez A	D-302	Full Semester

STUDY SKILLS (STDY)

F2F	98788	1:40p-3:05p	M W	Sanchez-Gutierrez G	H-207	Full Semester

OER $

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

F2F	98790	1:40p-5:15p	Tu Th	Sanchez-Gutierrez G	I-101	10/18-12/12

OER $

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

THEATRE ARTS (THEA)

THEA 100, INTRODUCTION TO THEATRE **3.0 UNITS**

An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance at live theatre required.

F2F	01463	10:20a-11:45a	Tu Th	Cannon C	P-105	Full Semester

OER $

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

F2F	01465	11:55a-1:20p	M W	Cannon C	P-105	Full Semester

OER $

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

THEA 110, ACTING FUNDAMENTALS **3.0 UNITS**

A study of acting involving the development of acting techniques, styles, and disciplines. Provides theory and practical experience with varied characterizations. Emphasizes individual growth and acquired skills necessary to the acting craft.

F2F	01471	11:55a-1:20p	Tu Th	Cannon C	P-105	Full Semester
		1:20p-1:50p	Tu Th	Cannon C	P-105	

THEA 111, INTERMEDIATE ACTING **3.0 UNITS**

Further study in the art of acting for the stage, investigating in-depth character study, role portrayal, special problems, and personal technique. Acting skills developed through use of exercises, monologues, and scenes from contemporary theatre.

Prerequisite: Theatre Arts 110 with a minimum grade of C.

F2F	01477	11:55a-1:20p	Tu Th	Cannon C	P-105	Full Semester
		1:20p-1:50p	Tu Th	Cannon C	P-105	

THEA 118, FUNDAMENTALS OF SCENE STUDY **2.0 UNITS**

A continued study for the beginning actor in the preparation and presentation of scenes from modern comedies, the plays of William Shakespeare, and plays from influential playwrights such as Anton Chekov and Henrik Ibsen. Students prepare scenes with partners for performance and critique.

F2F	01481	3:20p-4:45p	M W	Chamberlain A	P-105	Full Semester
		4:45p-5:15p	M W	Chamberlain A	P-105	

THEA 123, INTRODUCTION TO DRAMA AND ACTING **3.0 UNITS**

An introduction to acting and dramatic literature that includes analysis of plays, dramatic structure, and performance criticism. This course explores the history and development of acting styles and methodologies specific to the major historical periods of drama in which they were created. Intended to enhance imagination and creativity and emphasize intellectual growth through the exploration of the cultural significance of drama and performance.

F2F	01488	10:20a-11:45a	M W	Chamberlain A	P-105	Full Semester

THEA 130, LIGHTING DESIGN **2.0 UNITS**

An overview of the basic techniques of lighting design for entertainment. Emphasis is placed on the design process, technical and artistic choices, and the development of the practical skills required of an entertainment lighting designer.

F2F **01497**	**10:20a-11:45a**	**F**	**Mittler W**	**P-100**	**Full Semester**
	11:55a-1:20p	**F**	**Mittler W**	**P-100**	

THEA 131, STAGECRAFT **3.0 UNITS**

An introduction to technical theatre and the creation of scenic elements. Includes basic concepts of design, painting techniques, set construction, set movement, prop construction, backstage organization, and stage management.

F2F **01500**	**8:35a-10:00a**	**M W**	**Turner S**	**P-100**	**Full Semester**
	10:00a-10:30a	**M W**	**Turner S**	**P-100**	

THEA 136, FUNDAMENTALS OF COSTUME DESIGN **3.0 UNITS**

The study of costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated.

F2F **01503**	**8:35a-10:00a**	**Tu Th**	**Ho J**	**T-201**	**Full Semester**
	10:00a-10:30a	**Tu Th**	**Ho J**	**T-201**	

THEA 150A, REHEARSAL AND PERFORMANCE IN PRODUCTION **2.0 UNITS**

Practical experience in performance production culminating in a series of public performances. All actors must audition and be cast prior to enrolling.

F2F **01509**	**TBA**	**Mittler W**	**P-100**	**09/13-11/21**

88 hours arranged per semester.

THEA 150B, TECHNICAL THEATRE IN PRODUCTION **2.0 UNITS**

Students will gain practical experience in the application of production responsibilities in any of the following: stage management, scenery construction, properties, costuming, lighting, or sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling.

F2F **01510**	**TBA**	**Turner S**	**P-100**	**09/13-11/21**

88 hours arranged per semester.

THEA 153, INTRODUCTION TO DIRECTING **2.0 UNITS**

The study and application of directing theory, process, and technique which will culminate in a student-directed project production for public performance. Included are the fundamentals of script analysis, designer collaboration, character development, staging, actor coaching, and presenting.

F2F **01484**	**4:45p-5:15p**	**M W**	**Chamberlain A**	**P-105**	**Full Semester**
	3:20p-4:45p	**M W**	**Chamberlain A**	**P-105**	

THEA 250, ADVANCED THEATRE PRODUCTION **2.0 UNITS**

Practical experience performing an advanced level role in a series of public performances.
Prerequisite: Theatre Arts 150A with a minimum grade of C.

F2F **01512**	**TBA**	**Staff**	**P-100**	**09/13-11/21**

90 hours arranged per semester.

THEA 255, MOTION PICTURE PERFORMANCE PRODUCTION **3.0 UNITS**

Practical experience in performance production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel. Students desiring an acting role must audition.

F2F **01514**	**TBA**	**Cannon C**	**P-105**	**Full Semester**

126 hours arranged per semester.

THEA 256, INTERMEDIATE MOTION PICTURE PERFORMANCE PRODUCTION **3.0 UNITS**

Intermediate level practical experience in production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel. Students desiring an acting role must audition.
Prerequisite: Theatre Arts 255 with minimum grade of C.

F2F **01515**	**TBA**	**Cannon C**	**P-105**	**Full Semester**

126 hours arranged per semester.

THEA 257, MOTION PICTURE PERFORMANCE PRODUCTION III **3.0 UNITS**

Provides the continuing performance student opportunity to concentrate on more advanced acting methods and development of technique. Emphasizes the development of the individual actor's performance style connecting the emotional life of a character to technical delivery on-screen.

Prerequisite: Theatre Arts 256 with a minimum grade of C.

F2F	**01517**	**TBA**	**Cannon C**	**P-105**	**Full Semester**

126 hours arranged per semester.

THEA 258, MOTION PICTURE PERFORMANCE PRODUCTION IV **3.0 UNITS**

Continuing study of on-camera acting technique including more complicated methodology and advanced script material. Emphasizes the combination of the individual actor's performance style with the demands of working on a professional set.

Prerequisite: Theatre Arts 257 with a minimum grade of C.

F2F	**01518**	**TBA**	**Cannon C**	**P-105**	**Full Semester**

126 hours arranged per semester.

WELDING (WELD)

WELD 101, INTRODUCTION TO WELDING **3.0 UNITS**

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

F2F	**02187**	**8:00a-9:05a**	**F**	**Kirby B**	**K-115**	**Full Semester**
		9:15a-3:35p	**F**	**Kirby B**	**K-101**	
H	**01864**			**Gonzales G**	**HYBRID**	**Full Semester**
		8:00a-11:10a	**M W**	**Gonzales G**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

H	**01869**			**Diamond Z**	**HYBRID**	**Full Semester**
		6:00p-9:10p	**M W**	**Diamond Z**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 125, INTERMEDIATE ELECTRIC ARC WELDING **3.0 UNITS**

This is an intermediate course designed for students who want to progress in their welding skills through the application of Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency in welding in the flat, horizontal, and vertical positions. Continuing emphasis on safety, theory, and practical skill development.

Recommended Preparation: Welding 101

H	**01879**			**Diamond Z**	**HYBRID**	**Full Semester**
		8:00a-11:10a	**Tu Th**	**Diamond Z**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 181, PIPE WELDING FUNDAMENTALS **3.0 UNITS**

This course is an introduction class to pipe welding with the Shielded Metal Arc Welding (SMAW) process. Students will focus on safety, theory, preparation, and welding. Emphasis will be placed on welding in the flat (1G) and horizontal (2G) positions using various size pipe with E6010 and E7018 electrodes.

Recommeded Preparation: Welding 101 with a minimum grade of C.

H	**01865**			**Diamond Z**	**HYBRID**	**Full Semester**
		1:00p-4:10p	**M W**	**Diamond Z**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 182, INTERMEDIATE PIPE WELDING **3.0 UNITS**

This course is an intermediate class in pipe welding. Students will focus on safety, theory, pipe preparation, and welding. Emphasis will be placed on welding in the fixed horizontal (5G) and fixed 45 degree (6G) positions on various size pipe, using the Shielded Metal Arc Welding (SMAW) process with E6010 and E7018 electrodes.

Recommended Preparation: Welding 181 with a minimum grade of C.

H	**01866**		**Diamond Z**	**HYBRID**	**Full Semester**
	1:00p-4:10p	**M W**	**Diamond Z**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 225, ADVANCED ELECTRIC ARC WELDING **3.0 UNITS**

This is an advanced course designed to improve and master the student's previously acquired welding skills in Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency of welding in the vertical and overhead positions with continued emphasis on safety, theory, and practical skill development.

Recommended Preparation: Welding 240 with a minimum grade of C.

H	**01881**		**Gonzales G**	**HYBRID**	**Full Semester**
	1:00p-4:10p	**Tu Th**	**Gonzales G**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 240, STRUCTURAL WELDING SMAW/FCAW **3.0 UNITS**

This is an advanced course designed to provide students with specialized instruction in preparation for the Los Angeles Department of Building and Safety (LADBS) welder performance examination and/or the welder performance examination in accordance with the American Welding Society (AWS) D1.1 Structural Steel Code. Simulated examination plates will be issued to students, who will have to complete them in vertical (3G) and overhead (4G) positions, in order to evaluate their progress. Upon completion of the class, students should be prepared to schedule, take, and pass the welder performance examination for structural steel welding (AWS: D1.1).

Recommended Preparation: Welding 225 with a minimum grade of C.

H	**01883**		**Gonzales G**	**HYBRID**	**Full Semester**
	6:00p-9:10p	**Tu Th**	**Gonzales G**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.

WELD 282, ADVANCED PIPE WELDING **3.0 UNITS**

This advanced course prepares students to pass their inclined (6G) certification test. Students will use AWS and American Petroleum Instutute (API) standard 1104 procedures. Emphasis will be on open root groove welds on pipe using the Shielded Metal Arc Welding (SMAW). Students will use E6010 and E7018 electrodes along with Gas Tungsten Arc Welding (GTAW).

Recommended Preparation: Welding 182 with a minimum grade of C.

H	**01867**		**Diamond Z**	**HYBRID**	**Full Semester**
	1:00p-4:10p	**M W**	**Diamond Z**	**K-101**	

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas rsccd.instructure.com.