

skill performance in the clinical (hospital) setting. This course meets the minimum hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code of regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

*Transfer: CSU*

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### EMS 213 PARAMEDIC INTERNSHIP 9.00

*27.00 hours per week: (0.00 lecture hours/ 27.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: EMS 211 and EMS 211L and EMS 212*

Provides the internship phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213 meets the minimum hours for required to complete paramedic internship training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code of regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

*Transfer: CSU*

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### EMS 213A PARAMEDIC INTERNSHIP I 2.00

*(Formerly EMS108A)*

*6.00 hours per week: (0.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: EMS 211 and EMS 211L and EMS 212*

Apply the internship phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum hours for required to complete paramedic internship training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code of regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

*Transfer: CSU*

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### EMS 213B PARAMEDIC INTERNSHIP II 7.00

*(Formerly EMS108B)*

*21.00 hours per week: (0.00 lecture hours/ 21.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites: EMS 213A*

Apply the last internship phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum internship hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code of regulations and the US Department of Transportation Emergency Medical Technician-Paramedic

Standard National Curriculum.

*Transfer: CSU*

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## EMERITUS COLLEGE

### ECOL 406 COMPOSING YOUR LIFE STORY 0

*0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents creative approaches to telling your life story. This course engages students in the process of composing meaningful and engaging life stories, including identifying and reflecting on themes, locating records and memory treasures, and writing and other forms of life review. Participants with ongoing memoir writing projects are welcome as well as those who just beginning and would like direction and guidance. Designed for adults over 50.

*Repeatable.*

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### ECOL 408 MUSIC APPRECIATION 0

*0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Introduces students to many styles and genres of music, including Western music and music of traditions and cultures from around the world. Develops critical listening ability and enriches musical experiences with the study of genres and forms, composers, historical context and influences of a variety of musical selections. Designed for Adults 50+.

*Repeatable.*

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### ECOL 409 CHORAL ENSEMBLE 0

*0.50 - 6.00 hours per week: (0.00 lecture hours/0.50 - 6.00 lab hours)*

*Noncredit*

*Non-credit Course*

Offers students an opportunity to sing a variety of music styles and improve their choral techniques in a community chorus setting. A performance will conclude the class. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 411 CREATIVE WRITING FOR SENIORS 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Introduces the writing of creative nonfiction, plays, poetry, OR short fiction. Students read and discuss published writing and workshop their own writing. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 412 BRAIN LONGEVITY: WAYS TO PRESERVE AND RESTORE MEMORY ADULTS 50+ 0

*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this class will present information about brain longevity, including preventing and reversing memory loss effects of diet and physical and mental exercises; causes and treatments of Alzheimer's disease; and psychological approaches to memory preservation.

*Repeatable.*

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**ECOL 414 ART: DRAWING****0***1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents basic drawing as well as exploration of a variety of drawing materials and applications which will guide the student in using technique and observation skills in creative endeavors. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 415 YOGA****0***0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents yoga practice to promote balance, muscle strength and stamina, which are performed at each student's ability. Through demonstration and explanation this class introduces poses, breathing, body alignment and relaxation techniques. Students will discover how yoga promotes wellness, reduces stress and heals. Designed for adults 50+.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 417 LAWS AND PROGRAMS AFFECTING ADULTS 50+****0***0.50 hours per week: (0.50 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Designed for the adult 50+, this class will presents information about laws and programs affecting older citizens such as Medicare, Medi-Cal, SSI; energy, nutrition, transportation; legal assistance; education and recreation; veterans' benefits; home health and day care.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 418 ADVENTURES IN READING FOR ADULTS 50+****0***1.50 hours per week: (1.50 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents a guided reading of a particular literary genre--short story, poetry, novel, drama, including analysis and discussion, historical and biographical information about the writer. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 420 FINANCE: WILLS AND TRUSTS****0***1.00 hours per week: (1.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents the pros and cons of wills and trusts, the process of probate, the types of trusts and of powers of attorney. Students find out what they need to know to make informed estate-planning decisions. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 421 GREAT LITERATURE: SELECTED READING****0***1.50 hours per week: (1.50 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents a guided reading of a selected great work of literature such as Dante's Inferno or Virgil's Aeneid or a play by William Shakespeare. Reading selection changes each session. Discussion of theme, setting, characterization occurs in class; in addition, students read aloud portions of the work and learn about the historical and

cultural context of its writing. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 423 ART: WATERCOLOR****0***0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Introduces watercolor fundamentals as well as using and caring for materials, color mixing and application techniques, design and composition, and developing personal creativity. Advanced Approaches will be introduced as student skills expand. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 424 ART: PAINTING****0***0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Introduces fundamentals of painting. This includes knowledge and care of materials, color mixing and characteristics, brush applications, composing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 425 ART APPRECIATION****0***0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents an historical overview of art in all its dimensions, from prehistory to the present. This course focuses on the fundamentals and aesthetics of the visual arts, as well as the major developments that shaped the evolution of art. Each class will focus on a significant artist, movement, genre or time period and will explore the history, culture and humanity present in the art. Designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 427 CREATIVE COOKING AND HEALTH EATING****0***1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Presents healthful food and cooking choices that maintain optimum health for active older adults. Students learn basic concepts of nutrition as well as how to prepare tasty, flavorful and nutritious meals using fresh food from local markets. Designed for adults 50+.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 428 FILM APPRECIATION****0***1.50 hours per week: (1.50 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Studies major films to consider historical context, dramatic issues, artistic and technical objectives, and the process and elements of filmmaking. This course is designed for adults over 50.

*Repeatable.*[Click for Course Student Learning Outcomes](#)**ECOL 429 PHOTOGRAPHY: EQUIPMENT AND TECHNIQUES FOR ADULTS 50+****0***1.00 hours per week: (1.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

Designed for the adult 50+, this class presents camera choices,



in particular digital cameras; camera use; photo quality, including setting, composition and light; downloading, storing and sharing images; and documenting life events and travel.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 433 SENIOR SEMINAR 0

0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)

*Noncredit*

*Non-credit Course*

Discover the influences and connections between ideas, values and concepts on a variety of topics in areas such as health, culture, philosophy, psychology, economy, science, history, literature, current events, consumer awareness and finance. In a setting that encourages dialogue and interaction each class presents a specific subject or issue of interest to the older adult.

*Repeatable.*

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### ECOL 434 EXPLORATION IN ART 0

0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)

*Noncredit*

*Non-credit Course*

Encourages art appreciation, self-expression and creativity in a variety of art media. Projects give students experience with different creative traditional and/or nontraditional artistic methods, design techniques, tools and materials. Each class will focus on specific media and projects. Designed for adults 50+.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 439 COMPUTER BASICS 0

0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)

*Noncredit*

*Non-credit Course*

Introduces computer basics including machine functions, keyboard use, fundamental word processing, spreadsheets, presentations, email and web browsing. Designed for the adult 50+.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 470 ADAPTED EXERCISE 0

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

*Noncredit*

*Non-credit Course*

Promotes maintenance of the physical and mental well-being of the older adult, this course is geared to increasing strength, range of motion/flexibility, balance, agility, eye/hand and foot coordination; enhancing the circulatory system; and increasing mental alertness of the older adult. Techniques are adapted to meet the needs of older adults at their various fitness levels and functional capacities.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 471 MUSIC ARTS 0

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

*Noncredit*

*Non-credit Course*

Encourages appreciation of music from different time periods and genres. Through active participation in discussions, musical reminiscence, sing-along and rhythmic activities, the older adult student will engage with variety of music.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 472 CREATIVE ARTS 0

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

*Noncredit*

*Non-credit Course*

Provides physical and mental stimulation through engagement with

a variety of art media. Designed for older adults, project encourage expression and appreciation of art through artistic design, artistic methods, techniques, tools and materials. Eye-hand (fine motor) coordination will be utilized to develop, stimulate and enhance psycho-motor, perceptual, and cognitive skills.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 473 FUN WITH FOOD 0

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

*Noncredit*

*Non-credit Course*

Presents a large variety of food topics and activities related to the health and well being of the older adult. Diverse topics of interest such as personal experiences and cultural traditions, nutrition, consumerism, entertaining, and health and safety will be discussed.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 474 REMINISCING 0

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

*Noncredit*

*Non-credit Course*

Presents various topics as a basis for reminiscing about life experiences and for recalling cultural and historical events that marked one's life.

*Repeatable.*

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## ENGINEERING

### ENGR 193 ENGINEERING SPECIAL TOPIC 0.50 to 4.00

0.50 - 4.00 hours per week: (0.50 - 4.00 lecture hours)

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Examines a special topic in the field of study related to the discipline offering this course.

[Click for Course Student Learning Outcomes](#)

### ENGR 200 INTRODUCTION TO ROBOTICS 3.00

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

Introduces robotics theory and application using hands-on, real-world projects and applications. Applies the topics of mechanics, electronics, waves and robotics to engineering design solutions.

*Transfer: CSU*

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### ENGR 201 PLANE SURVEYING 3.00

(Formerly CTCH201)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 229 or MATH 231*

*Advisories: ENGR 226*

Introduces the principles and practices of surveying, including the use of the engineer's tape, level, transit, and total station. This equipment will be used to perform computations for horizontal and vertical distances, profiles, azimuths and bearings, traverse closures, topographic mapping, earthwork and land grading, and horizontal and vertical curves. Introduces maps and land descriptions.

*Transfer: CSU; UC*

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### ENGR 205 SURVEY OF MANUFACTURING 3.00

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*