

SYL 1 North Coast Paramedic 1

Course Information

- Semester and Year: fall 2025
- Course ID and Section number: HO-170A E0749
- Instructor's name: Kelly Scott/Doug Boileau/Vicki Gibney
- Friday 1300 – 2130 and Saturday 0800 - 1630:
- Location: AT 103/104
- Course units: 11

Instructor Contact Information

Office location AT

Office hours: Kelly Scott: By appointment

Doug Boileau: By appointment

Vicki Gibney: By appointment

Phone number: 707-822-3353

Email address: doug-boileau@redwoods.edu, kelly-scott@redwoods.edu, vicki-gibney@redwoods.edu

Required Materials:

- Paramedic Care Principles and Practice 2nd edition – 2 volumes Bledsoe
- Basic Arrhythmias Walraven
- Platinum Planner and EMS Testing
- Skills Lab Book
- Uniform

Catalog Description

The first course in a comprehensive study of pre-hospital emergency medicine to meet State of California requirements for an Emergency Medical Technician-Paramedic license. The course meets accreditation requirements of the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP). The course will teach pre-hospital emergency medical care at the advanced life support (ALS) level in accordance with the National Highway Traffic Safety Administration's National EMS Education Standards.

Course Student Learning Outcomes

- Apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients and communicate the findings to others.
- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for a medical patient with respiratory or cardiac complaints.
- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for a trauma patient.

Course Calendar

Fridays 1300 to 2130 and Saturday 0800 to 1630. Clinical rotations are scheduled individually beginning in November and will average 8-12 hours a week at locations tbd.

Evaluation and Grading Policy

A grade of "C" or better and established competency in lab skills is required for progression and completion of the paramedic program. A minimal average of seventy-five (75) percent is required for a passing grade of "C." Students must achieve a minimum grade of 75% on each section exam. If a student scores below 75% they will be required to complete a Performance Improvement Plan developed with the primary instructor. If the student receives a grade below 75% on two exams in the semester, they will receive a failing grade and not be permitted to continue in the paramedic program. The following letter grade symbols and GPA will be awarded for the attainment of the following numerical grades:

Grade Symbol	Course Grade (%)	Clinical Component	GPA	Definition
A	95-100	Pass	4.0	Excellent
A-	90-94	Pass	3.7	Excellent
B+	87-89	Pass	3.3	Good
B	84-86	Pass	3.0	Good
B-	81-83	Pass	2.7	Good
C+	78-80	Pass	2.3	Satisfactory
C	75-77	Pass	2.0	Satisfactory
D	65- 74	Pass	1.0	Poor – No Progression
F	< 65 or clinical failure	Fail	0.0	Fail. No Progression
W	---		---	Official Withdrawal

Prerequisites/corequisites/ recommended preparation

To be eligible to enter a paramedic training program an individual shall meet the following requirements: (1) Possess a high school diploma or general education equivalent; and (2) possess a current basic cardiac life support card according to the Guidelines 2020 for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the healthcare provider level; and (3) possess a current EMT-I certificate or NREMT registration; or possess a current Advanced EMT certificate in the State of California; or be currently registered as an EMT-Advanced with the National Registry of Emergency Medical Technicians.

Educational Accessibility and Support

College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, or bipolar disorder
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders, and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability
- Neurodevelopmental disorders such as a learning disability, intellectual disability, autism, acquired brain injury, or ADHD
- Vision, hearing, or mobility conditions

Available services include extended test time, quiet testing environments, academic assistance and tutoring through the [LIGHT Center](#), counseling and advising, alternate formats of course materials (e.g., audio books, braille, E-texts), assistive technology, learning disability assessments, approval for personal attendants, interpreters, priority registration, on-campus transportation, adaptive physical education and living skills courses, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Student Accessibility Support Services \(SASS\)](#). If you are unsure whether you qualify, please contact Student Accessibility Support Services (SASS) for a consultation: sass@redwoods.edu.

SASS office locations and phone numbers

Eureka campus

- Phone: 707-476-4280
- Location: Learning Resource Center (Library)

Academic Integrity

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic integrity, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated a lack of academic integrity, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the 2025-2026 College Catalog and CR Board and Administrative Policies.

Disruptive Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, the student may be reported to the Chief Student Services Officer or designee. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the 2025-2026 College Catalog and CR Board and Administrative Policies.

Course Syllabus

Date	Subjects	Reading and Assignments	Quizzes/Tests
08/23	Welcome! Course Introduction EMS Systems	Volume 1 Chapters 1 & 2	
08/29 08/30	Paramedic Roles and Responsibilities Medical Ethics and Legal Issues Patient Assessment	Volume 1 Chapters 3, 4, 7 & 8 Chapters 23, 24 & 25	QUIZ Volume 1 Chapters 3, 4, 7 & 8 Chapters 23, 24 & 25

09/05 09/06	Pathophysiology of Shock Fluids and Electrolytes Basic Gross Anatomy and Physiology	Volume 1 Chapter 19 – Part 1, 2, 3, 4 & 5 (not 6)	QUIZ Chapter 19 – Part 1, 2, 3, 4 & 5 (not 6)
09/12 09/13	Introduction to Pharmacology Patient Assessment Bloodborne Pathogens, safety systems Medication Administration	Volume 1 Chapter 20 Chapter 21 Part 1 Chapters 26, 27 & 29	QUIZ Volume 1 Chapter 20 Chapter 21 Part 1 Chapters 26, 27 & 29
09/19 09/20	Drug Calculations Communication/Documentation Human Life Span Development Public Health	Volume 1 Chapter 21 Part 2 & 3 Chapter 6, 9, 18, 30, 31	QUIZ Volume 1 Chapter 21 Part 2 & 3 Chapter 6, 9, 18, 30, 31
09/26 09/27	Research Project Orientation Exam Prep and Skills Review EXAM – All Topics/Chapters covered above SKILLS EXAM – IV, IM, SQ, Fluid Administration, Random Basic Skills, and Patient Assessment	Volume 1 Chapter 5	EXAM Saturday
10/03 10/04	Exam Return/Review Basic and Advanced Airway Respiratory Physiology/Gas Exchange Patient Monitoring Technology	Volume 1 Chapter 22 Chapter 28	QUIZ Volume 1 Chapter 22 Chapter 28
10/10 10/11	Orientation to Clinical Internship HIPAA compliance Exam Prep and Skills Review EXAM – All Topics/Chapters from 10/03 – 10/10 SKILLS EXAM – Adult and Pediatric Intubation, Supraglottic Airway, Basic and Advanced Airway Management, Oral Exam, Scenario Based Assessment		EXAM Saturday

10/17 10/18	Exam Return/Review Trauma Systems and Mechanisms of Injury Blunt and Penetrating Trauma Hemorrhagic Shock Soft-Tissue Trauma Burns	Reading Assignment Volume 2 Chapters: 52, 53, 54, 55 & 56	QUIZ Volume 2 Chapters: 52,53,54,55 &56
10/24 10/25	Head, Face, Neck and Spinal Trauma Thoracic Trauma Abdominal Trauma Orthopedic Trauma Special Considerations with Trauma ** Outdoor Evening Trauma Drill ***Environmental Trauma addressed in second semester	Reading Assignment Volume 2 Chapters: 57, 58, 59, 60 & 62	QUIZ Volume 2 Chapters: 57, 58, 59, 60 & 62
10/31 11/01	Trauma Scenarios Test Prep and Skills Review EXAM – Trauma – All Topics/Chapters from 10/17 – 10/31 SKILLS EXAM – Needle Cricothyrotomy, Needle Decompression, Patient Assessment – Trauma, Oral Exam, Scenario Based Assessment. Medications used with Trauma		EXAM Saturday
11/07 11/08	Exam Return/Review Pulmonology Lung Sounds Respiratory Medications and Administration	Volume 2 Chapter 32	QUIZ Volume 2 Chapter 32
11/14 11/15	Introduction to Cardiology Anatomy and Physiology Introduction to Electrocardiology	Volume 2 Chapter 33 Part 1 pgs 1066 – 1087 Walraven – Basic Arrhythmias Appendix A Pages 454-461 Chapters 1-3	QUIZ Volume 2 Chapter 33 pgs 1066 - 1087

11/21 11/22	Cardiac Pharmacology Sympathetic and Parasympathetic Systems ECG Interpretation	Volume 1 Chapter 20 Part 2 pgs 543-563 Volume 2 Chapter 33 Part 1 pgs 1088 - 1123 Walraven – Basic Arrhythmias Chapters 4 – 8	QUIZ Volume 1 Chapter 20 Part 2 pgs 543-563 Volume 2 Chapter 33 Part 1 pgs 1088 – 1123
11/28 11/29	Holiday Break		
12/05 12/06	Dynamic Dysrhythmia Interpretation Pharmacological Intervention Scenarios Cardiac Arrest Management 12-Lead Basics	Volume 2 Chapter 33 Part 2 pgs 1124 – 1136 Chapter 33 Part 3 pgs 1167 - 1176 Walraven – Basic Arrhythmias Chapters 9 and 10. Appendix B, C, D and E	ECG QUIZ
12/12 12/13	Review for Comprehensive Final Skills Review		
12/19	Comprehensive Final Exam Comprehensive Skills Exam – Skills to be announced		FINAL EXAM

*Schedule is subject to change

**Announcements will be made throughout class as field days may arise or change due to scheduling complication