

Course Information

Semester & Year: fall 2021

Course ID & Section #: HO-170A-E1747

Instructors' name: Doug Boileau

Kelly Scott

Vicki Gibney

Day/Time of required meetings: Friday 1245-2130 and Saturday 0745-1630

Location: AT 103/104

Course units: 11

Instructor Contact Information

Office location or *Online:

Office hours: Kelly Scott Tuesday 1200-1400 and Friday 1000-1200

Doug Boileau : By appointment

Vicki Gibney: By appointment

Phone number: 707-822-3353

Email address: doug-boileau@redwoods.edu

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 *(from course outline of record)*

1. Apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients and communicate the findings to others.
2. 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.
3. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for a trauma patient.

Prerequisites/co-requisites/ 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

Accessibility

Students will have access to online course materials that comply with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Students who discover access issues with this class should contact the instructor.

College of the Redwoods is also committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

During COVID19, approved accommodations for distance education classes will be emailed to the instructor by DSPS. In the case of face to face instruction, please present your written accommodation request to your instructor at least one week before the first test so that necessary arrangements can be made. Last-minute arrangements or post-test adjustments cannot usually be accommodated.

Evaluation & Grading Policy

A grade of "C" or better 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." 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

Admissions deadlines & enrollment policies

Fall 2021 Dates

- *Classes begin: 8/21/21*
- *Last day to add a class: 8/27/21*
- *Last day to drop without a W and receive a refund: 9/03/21*
- *Labor Day Holiday (all campuses closed): 09/06/21*
- *Census date: 9/07/21 or 20% into class duration*
- *Last day to petition to graduate or apply for certificate: 10/28/21*
- *Last day for student-initiated W (no refund): 10/29/21*
- *Last day for faculty-initiated W (no refund): 10/29/21*
- *Veteran's Day (all campuses closed): 11/11/21*
- *Fall Break (no classes): 11/22/21 – 11/26/21*
- *Thanksgiving Holiday (all campuses closed): 11/24/21 – 11/26/21*
- *Final examinations: 12/11/21 – 12/17/21*
- *Last day to petition to file P/NP option: 12/17/21*
- *Semester ends: 12/17/21*
- *Grades available for transcript release: approximately 01/07/22*

Students who have experienced extenuating circumstances can complete & submit the ***Excused Withdrawal Petition*** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, 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 academic dishonesty, 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 [College Catalog](#) and on the [College of the Redwoods website](#).

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. 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 [College Catalog](#) and on the [College of the Redwoods website](#).

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://www.redwoods.edu/online/Help-Student>

Canvas online orientation workshop: <https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources>

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel

Do not leave campus, unless it has been deemed safe by the campus authorities.

Eureka Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [Redwoods Public Safety Page](#). It is the responsibility of College of the Redwoods to protect life and property from the effects of emergency situations within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4. Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.
5. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6. If safe to do so, notify key administrators, departments, and personnel.
7. Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821

NORTH COAST PARAMEDIC PROGRAM 170A FALL 2021

Date	Subjects	Reading and Assignments	Quizzes/Tests
08/21	Welcome! Course Introduction EMS Systems		
08/27 08/28	Paramedic Roles and Responsibilities Medical Ethics and Legal Issues Patient Assessment	Volume 1 - Chapters 1, 2, 3, 4, 7 and 8 Volume 2 – Chapter 7	QUIZ – Topics Volume 1 – Chapters 1, 2, 3, 4, 7 and 8
09/03 09/04	Pathophysiology of Shock Fluids and Electrolytes Basic Gross Anatomy and Physiology	Volume 1 – Chapter 12 (No Part 6) Volume 2 – Chapters 1, 2, 3, 4, and 5	QUIZ – Topics Volume 2- Chapters 1, 2, 3 and 4
09/10 09/11	Introduction to Pharmacology Patient Assessment Bloodborne Pathogens, safety systems Medication Administration	Volume 1 Chapter 13 (part 1 and 2) and Chapter 14 (Part 1 and Part 2) **Turn in Acid/Base Worksheet	QUIZ – Topics Volume 1 – Chapters 14 (Part 1 and Part 2). All chapters above.
09/17 09/18	Drug Calculations Communication/Documentation Human Life Span Development Public Health	Volume 1 – Chapters 6, 9, 10, 11, 12, 14 (Part 3)	QUIZ – Topics Volume 1 Chapters 6, 9, 10, 11, 12 and 13
09/24 09/25	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
10/01 10/02	Exam Return/Review (continued on the next page) Basic and Advanced Airway Respiratory Physiology/Gas Exchange Patient Monitoring Technology	Volume 1 – Chapter 15 Volume 2 – Chapter 6	QUIZ – Topics Volume 1- Chapter 15 and Volume 2 – Chapter 6

10/08 10/09	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/Dual Lumen Airways, Basic and Advanced Airway Management, Oral Exam, Scenario Based Assessment	Research Assignment Topic Due	EXAM Saturday
10/15 10/16	Exam Return/Review Trauma Systems and Mechanisms of Injury Blunt and Penetrating Trauma Hemorrhagic Shock Soft-Tissue Trauma Burns	Volume 4 – Chapters 1, 2, 3, 4 and 5	QUIZ – Topics Volume 4 – Chapters 1, 2, 3, 4 and 5
10/22 10/23	Orthopedic Trauma Thoracic Trauma Abdominal Trauma Head, Face, Neck and Spinal Trauma Nervous System Trauma Special Considerations with Trauma ** Outdoor Evening Trauma Drill	Volume 4 – Chapters 6, 7, 8, 9 and 11 *** Environmental will be covered during the second semester	QUIZ – Topics Volume 4 – Chapters 6, 7, 8, 9 and 11
10/29 10/30	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
11/05	Exam Return/Review Pulmonology	Volume 3 – Chapter 1 Volume 2 – Chapter 6	QUIZ – Topics Volume 3 – Chapter 1

11/06	Lung Sounds Respiratory Medications and Administration	Research Assignment Story Idea Due	Volume 2 – Chapter 6
11/12 11/13	Introduction to Cardiology Cardiology A&P review Introduction to Electrocardiology	Volume 3 – Chapter 2 Pages 49 – 75. Walraven – Basic Arrhythmias Appendix A Pages 454 – 461 Chapters 1 - 3	QUIZ – Volume 3 – Chapter 2 Pages 49-75.
11/19 11/20	Cardiac Pharmacology Sympathetic and Parasympathetic Systems ECG Interpretation	Volume 3 – Chapter 2 Pages 75 – 110 Walraven – Basic Arrhythmias Chapters 4 - 8 Volume 1 – Chapter 13 Part 1 section Pharmacology and Part 2 section Drugs used to affect the Cardiovascular System	QUIZ – Volume 3 – Chapter 2 Pages 75-110. Volume 1 – Chapter 13 Part 1 section Pharmacology and Part 2 section Drugs used to affect the Cardiovascular System
11/26 11/27	Holiday Break		
12/03 12/04	Dynamic Dysrhythmia Interpretation Pharmacological Intervention Scenarios Cardiac Arrest Management 12-Lead Basics	Volume 3 – Chapter 2 Pages 111 – 194 Walraven – Basic Arrhythmias Chapters 9 and 10. Appendix B, C, D and E	ECG QUIZ
12/10 12/11	Review for Comprehensive Final Skills Review		
12/17	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