



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	RC
Course Number:	298
Descriptive Title:	Advanced Emergency Management
Division:	Health Sciences and Athletics
Department:	Respiratory Care
Course Disciplines:	Respiratory Technologies
Catalog Description:	This course provides instruction on the role of the respiratory therapist during disaster management. The topics include intra-hospital transport; land and air transport; rapid response teams; distinguishing the various color codes within a hospital; disaster preparedness at the federal, state, and local levels; and the requirements for disaster preparedness within the hospital.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	Students must be admitted to the El Camino College Respiratory Care Program or be graduated from an accredited respiratory care program.
Hours Lecture (per week):	2
Hours Laboratory (per week):	3
Outside Study Hours:	4
Total Course Hours:	90
Course Units:	3
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	7-19-2010
Transfer UC:	No
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	
Term:	
Other:	

<p>Student Learning Outcomes:</p>	<p>SLO #1 Functioning as a Rapid Response Team</p> <p>Students will be able to answer written questions, oral questions and perform procedures that demonstrate knowledge and ability to manage widespread emergency disaster plan and function as part of the team performing respiratory procedures and therapy on patients with various pulmonary disorders.</p> <p>SLO #2 Explain & Demo Use of Emergency Management Procedures & Equipment</p> <p>During classes & labs, students will be able to apply emergency management procedures when given mini simulations involving natural, accidental and terrorists-based&nbsp; emergencies requiring respiratory care and coordination of resources.</p> <p>SLO #3 Demonstrate Cognitive Knowledge of Emergency Management in Respiratory Care</p> <p>Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination applying the principals and procedures of emergency management in RC and 80% will obtain a grade of 70% or better.</p>
<p>Course Objectives:</p>	<ol style="list-style-type: none"> 1. Describe the difference in procedures and equipment for intra-hospital, land, and air transports. 2. Identify potential concerns and solution for each type of transport. 3. Differentiate between a Rapid Response Team and a Code Blue. 4. Identify color codes within a hospital and the appropriate method to respond. 5. Explain the disaster preparedness at all levels, including federal, state, and local. 6. Describe the responsibilities and expectations of a hospital during a disaster. 7. Describe the local emergency management system, chain of command, and the role of the respiratory therapist during a disaster.
<p>Major Topics:</p>	<p>I. Introduction (2 hours, lecture)</p> <p>A. Emergency management</p> <p>II. Transports (8 hours, lecture)</p> <p>A. Intra-Hospital and Land</p> <ol style="list-style-type: none"> 1. Procedures 2. Equipment 3. Responsibilities <p>B. Air (Fixed Wing and Helicopter)</p> <ol style="list-style-type: none"> 1. Flight physiology 2. Procedures 3. Equipment 4. Responsibilities <p>III. Color Codes (2 hours, lecture)</p> <ol style="list-style-type: none"> A. Blue B. Orange C. Black D. Red E. Yellow F. Green <p>IV. Rapid Response Team (4 hours, lecture)</p> <ol style="list-style-type: none"> A. Purpose B. Indication C. Roles and Responsibilities <p>V. Disaster Preparedness (20 hours, lecture)</p> <ol style="list-style-type: none"> A. Federal Level B. State Level

	<ul style="list-style-type: none"> C. Local Level D. Nationally and Ethically approved decision making framework E. Simple Triage and Rapid Response F. Hospital's responsibility <ul style="list-style-type: none"> 1. Regulations 2. Crisis Management Plan 3. Contingency Analysis and Plan 4. Emergency Response Plan 5. Scenarios 6. Simulations G. Respiratory Therapist's Responsibilities <ul style="list-style-type: none"> 1. Critical thinking 2. Assessment 3. Technical skills 4. Communication <p>VI. CLINICAL LAB TO BE ARRANGED HOURS (54 hours, lab) Monitoring, resuscitation, artificial ventilation, other respiratory techniques, therapy and equipment, and disaster preparedness simulations, as indicated in the respiratory care of patients under their direct care in hospital intensive care units, emergency rooms and other appropriate locations as assigned.</p>
Total Lecture Hours:	36
Total Laboratory Hours:	54
Total Hours:	90
Primary Method of Evaluation:	2) Problem solving demonstrations (computational or non-computational)
Typical Assignment Using Primary Method of Evaluation:	Write a three- to five-page report on the Simple Triage and Rapid Response Triage principles of categorizing victims, supplies that should have been available in the shelter site according to the Federal Emergency Management Agency recommendations, communication with victims and other members of the disaster response team, and the psychosocial needs of the victims and responders.
Critical Thinking Assignment 1:	Write a one-page report using the information from the lecture, class discussion and your text, identifying the responsibilities of a respiratory therapist during a flight to Florida to transport a six-year-old child in need of a special procedure who is ventilator-dependent. Determine what issues or medical concerns you need to consider, and how you would prepare for them?
Critical Thinking Assignment 2:	Write a one-page paper explaining the nationally and ethically approved framework to support decision-making before, during, and after a disaster incident. Describe accepted triage principles including prioritization and timely administration of care to individuals, families, special groups, and communities during a mass causality incident.
Other Evaluation Methods:	Completion, Homework Problems, Matching Items, Multiple Choice, Other Exams, Performance Exams, Quizzes, Reading Reports, True/False, Written Homework
Instructional Methods:	Discussion, Lab, Lecture, Multimedia presentations, Role play/simulation
If other:	
Work Outside of Class:	Problem solving activity, Required reading, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Texts:	James Stoller. <u>Fundamentals of Respiratory Care</u> . 13th ed. Elsevier, 2024.
Alternative Texts:	

Required Supplementary Readings:	
Other Required Materials:	
Requisite:	
Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	
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Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
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Enrollment Limitations and Category:	Students must be admitted to the El Camino College Respiratory Care Program or be graduated from an accredited respiratory care program.
Enrollment Limitations Impact:	Students begin the clinical phase (A.S. degree requirements) of the Respiratory Care program after being accepted into the program.
Course Created by:	Salomay Corbaley
Date:	04/23/2010
Original Board Approval Date:	07/19/2010
Last Reviewed and/or Revised by:	Roy Mekaru
Date:	03/22/2024

Last Board Approval Date:	06/17/2024
Effective Term:	FA 2025