



El Camino College
COURSE OUTLINE OF RECORD – Approved

I. GENERAL COURSE INFORMATION

Subject and Number: Respiratory Care 298
Descriptive Title: Advanced Emergency Management
Course Disciplines: Respiratory Technologies
Division: Health Sciences and Athletics

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.

Conditions of Enrollment:

Enrollment Limitation

Students must be admitted to the El Camino College Respiratory Care Program or be graduated from an accredited respiratory care program.

Course Length:	X Full Term	Other (Specify number of weeks):
Hours Lecture:	2.00 hours per week	TBA
Hours Laboratory:	3.00 hours per week	X TBA
Course Units:	3.00	

Grading Method: Letter
Credit Status: Associate Degree Credit

Transfer CSU: Yes **Effective Date: 7/19/2010**
Transfer UC: No

General Education:

El Camino College:

CSU GE:

IGETC:

II. OUTCOMES AND OBJECTIVES

A. COURSE STUDENT LEARNING OUTCOMES (The course student learning outcomes are listed below, along with a representative assessment method for each. Student learning outcomes are not subject to review, revision or approval by the College Curriculum Committee)

SLO #1 Functioning as a Rapid Response Team

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.

SLO #2 Explain & Demo Use of Emergency Management Procedures & Equipment

During classes & labs, students will be able to apply emergency management procedures when given mini simulations involving natural, accidental and terrorists-based emergencies requiring respiratory care and coordination of resources.

SLO #3 Demonstrate Cognitive Knowledge of Emergency Management in Respiratory Care

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.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below)

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.

III. OUTLINE OF SUBJECT MATTER (Topics are detailed enough to enable a qualified instructor to determine the major areas that should be covered as well as ensure consistency from instructor to instructor and semester to semester.)

Lecture or Lab	Approximate Hours	Topic Number	Major Topic
Lecture	2	I	Introduction A. Emergency management
Lecture	8	II	Transports A. Intra-Hospital and Land 1. Procedures 2. Equipment 3. Responsibilities B. Air (Fixed Wing and Helicopter) 1. Flight physiology 2. Procedures 3. Equipment 4. Responsibilities

Lecture	2	III	Color Codes A. Blue B. Orange C. Black D. Red E. Yellow F. Green
Lecture	4	IV	Rapid Response Team A. Purpose B. Indication C. Roles and Responsibilities
Lecture	20	V	Disaster Preparedness A. Federal Level B. State Level C. Local Level D. Nationally and Ethically approved decision making framework E. Simple Triage and Rapid Response F. Hospital's responsibility 1. Regulations 2. Crisis Management Plan 3. Contingency Analysis and Plan 4. Emergency Response Plan 5. Scenarios 6. Simulations G. Respiratory Therapist's Responsibilities 1. Critical thinking 2. Assessment 3. Technical skills 4. Communication
Lab	54	VI	TO BE ARRANGED HOURS CLINICAL 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.
Total Lecture Hours		36	
Total Laboratory Hours		54	
Total Hours		90	

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Problem solving demonstrations (computational or non-computational)

B. TYPICAL ASSIGNMENT USING PRIMARY METHOD OF EVALUATION:

Write a 3-5 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.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

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?
2. Write a 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.

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Performance exams
Other exams
Quizzes
Reading reports
Written homework
Homework Problems
Multiple Choice
Completion
Matching Items
True/False
Other (specify):
Table-top exercises to test capabilities and plans

V. INSTRUCTIONAL METHODS

Discussion
Laboratory
Lecture
Multimedia presentations
Role Play
Simulation

Note: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instruction delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VI. WORK OUTSIDE OF CLASS

Study
Required reading
Problem solving activities
Written work

Estimated Independent Study Hours per Week: 4

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Robert L. Wilkins. Fundamentals of Respiratory Care. 10th ed. Elsevier, 2013. Discipline Standard

B. B. ALTERNATIVE TEXTBOOKS

C. C. REQUIRED SUPPLEMENTARY READINGS

D. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

A. Requisites (Course and Non-Course Prerequisites and Corequisites)

Requisites	Category and Justification
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B. Requisite Skills

Requisite Skills

C. Recommended Preparations (Course and Non-Course)

Recommended Preparation	Category and Justification
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D. Recommended Skills

Recommended Skills

E. Enrollment Limitations

Enrollment Limitations and Category	Enrollment Limitations Impact
Students must be admitted to the El Camino College Respiratory Care Program or be graduated from an accredited respiratory care program.	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 on 04/23/2010.

BOARD APPROVAL DATE: 07/19/2010

LAST BOARD APPROVAL DATE: 05/18/2020

Last Reviewed and/or Revised by: Roy Mekaru

Date: 02/02/2020

20237