

**EMC 290 Course Outline as of Spring 1992****CATALOG INFORMATION**

Dept and Nbr: EMC 290 Title: EMERG CR/RESPONDERS

Full Title: Emergency Care for First Responders

Last Reviewed: 12/10/2018

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	2	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Develops manipulative and problem solving skills necessary for the initial evaluation and stabilization of victim of emergency illness or trauma. Designed for persons who are interested in A CAREER AS FIRST responders to medical emergencies. Upon completion, student receives CPR and First Responder certificates.

**Prerequisites/Corequisites:****Recommended Preparation:**

Standard first aid.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Manipulative & problem solving skills necessary for the individual interested in pursuing a career as a first responder to victims of illness or injury. Upon completion of course, student receives CPR & First Responder certificates. (Grade Only)

Prerequisites/Corequisites:

Recommended: Standard first aid.

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The students will:

1. Discuss the role of the First Responder in the EMS system.
2. List the components of the EMS system.
3. Discuss at least 5 medical legal aspects of emergency care.
4. Describe 5 vital signs and demonstrate ability to assess and record.
5. Describe at least 4 elements of a patient assessment and demonstrate skill of total body exam.
6. List the function and safety features of 4 types of oxygen therapy equipment.
7. Demonstrate ability to use 5 types of oxygen therapy equipment.
8. Describe and demonstrate use of 4 airway adjuncts.
9. List at least 5 basic components of respiratory anatomy and physiology.
10. List at least 5 respiratory emergencies and their treatment.
11. List at least 5 basic components of cardiac anatomy and physiology.
12. List at least 2 cardiac emergencies and their treatment.
13. List 7 types of shock.
14. Describe treatment of patients in shock.
15. Demonstrate 4 methods of controlling bleeding.
16. Identify major bones of the body.
17. Describe at least 4 musculo-skeletal injuries and treatment.
18. Identify transmission route of 2 infectious diseases.
19. Identify at least 2 signs and symptoms of behavioral emergencies.
20. Identify 4 routes of poisoning.
21. Describe the pathophysiology of at least 3 medical emergencies which alter the level of consciousness.
22. Demonstrate the assessment of an unconscious patient.

23. List the signs and symptoms of at least 6 major trauma injuries.
24. Demonstrate assessment and treatment of 6 major trauma injuries.
25. Describe the START triage system.
26. Describe and demonstrate technique of emergency childbirth.

### **Topics and Scope:**

1. Overview.
  - A. EMS system.
  - B. Legal aspects.
2. Patient Assessment.
  - A. Vital signs.
  - B. LOC.
  - C. Exam.
3. Oxygen Therapy.
  - A. Airway management.
  - B. Airway adjuncts.
4. Respiratory System.
  - A. Anatomy.
  - B. Disease and treatment.
5. Cardiac System.
  - A. Anatomy.
  - B. Disease and treatment.
  - C. CPR.
6. Circulatory System.
  - A. Shock.
  - B. Control of bleeding.
7. Skeletal System.
  - A. Anatomy.
  - B. Injury and treatment.
  - C. Splinting and immobilization.
8. Trauma.
  - A. Abdominal.
  - B. Head.
  - C. Chest.
  - D. Triage.
9. Altered Level of Consciousness.
  - A. Diabetes.
  - B. Stroke.
  - C. Seizures.
10. Behavioral Emergencies.
  - A. Psych.
  - B. Overdose, drug and alcohol.
11. Environmental Emergencies.
  - A. Burns.
  - B. Cold.
  - C. Heat.
12. OB/GYN.
  - A. Childbirth.
  - B. Complications.
  - C. Pediatric/infant resuscitation.

## Assignment:

1. Read approximately 24 pages per week.
2. Practice skills approximately 12 hours.

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Quizzes, Exams

Problem solving  
20 - 60%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams

Skill Demonstrations  
20 - 60%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, True/false

Exams  
20 - 75%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

## Representative Textbooks and Materials:

FIRST RESPONDER: UPDATE by Bergeron PUBLISH 1994  
FIRST RESPONDER Syllabus by SRJC.