

**EMC 116.1 Course Outline as of Spring 2016****CATALOG INFORMATION**

Dept and Nbr: EMC 116.1 Title: ACLS RE-RECOGNITION

Full Title: Advanced Cardiac Life Support Re-Recognition

Last Reviewed: 1/25/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.25	Lecture Scheduled	2.50	1	Lecture Scheduled	2.50
Minimum	0.25	Lab Scheduled	5.50	1	Lab Scheduled	5.50
		Contact DHR	0		Contact DHR	0
		Contact Total	8.00		Contact Total	8.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 5.00

Total Student Learning Hours: 13.00

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 21 - Legally Mandated Repetition

Also Listed As:

Formerly: EMC 275.4

**Catalog Description:**

This course provides information and training to update advanced cardiac life support skills as required by the American Heart Association.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:**

Current ACLS provider and CPR Health Care Provider

**Schedule of Classes Information:**

Description: This course provides information and training to update advanced cardiac and life support skills as required by the American Heart Association. (P/NP Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: Current ACLS provider and CPR Health Care Provider

Transfer Credit:

Repeatability: Legally Mandated Repetition

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

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

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Discuss recent American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) updates
2. Demonstrate knowledge and skills required by by AHA to retain ACLS certification

### **Objectives:**

Following completion of this class the student will be able to:

1. Discuss American Heart Association guidelines and current updates for continued certification.
2. Identify and discuss life threatening arrhythmias.
3. List the major causes of cardio-pulmonary arrest.
4. Demonstrate knowledge of current drug therapy involved in the definitive treatment of cardio-pulmonary arrest.
5. Demonstrate the use of a cardiac monitor and defibrillating equipment.
6. Demonstrate the management of an emergency cardio-pulmonary arrest, stabilization, and the procedure in transporting the patient to the critical care unit.
7. Describe and demonstrate the use of adjunctive equipment for airway and ventilator maintenance.
8. Review current medical legal issues as they relate to cardio pulmonary resuscitation.

### **Topics and Scope:**

1. Airway management
  - a. oral and nasal adjuncts
  - b. assisted ventilation
  - c. endotracheal intubation
2. Arrhythmia
  - a. atrial
  - b. ventricular
  - c. blocks
3. Cardio Pulmonary Arrest

- a. review current research and recommended changes
- b. define roles & responsibilities of code team members
- 4. Cardiac Resuscitation
  - a. American Heart Association guidelines
  - b. equipment (monitor/defibrillation)
  - c. medical legal
  - d. cardiac arrest (code)
- 5. Drug Therapy
  - a. pharmacology
  - b. methods of delivery
- 6. Medical legal issues

### Assignment:

- 1. Pre-read textbook prior to first day of class (5 - 6 hours).
- 2. Class participation as cardiac arrest (code) team leaders and team members.
- 3. Demonstrate 7 resuscitation protocols.
- 4. Identify 10 Electrocardiogram rhythm strips.
- 5. Comprehensive multiple choice exam.

### 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 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.

None

Problem solving  
0 - 0%

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

Class performances, Performance exams, cardiac arrest team participant

Skill Demonstrations  
25 - 60%

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

Multiple choice, Identify EKG

Exams  
40 - 75%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

- Advanced Cardiac Life Support Student Textbook - American Heart Association 2010
- Handbook of Emergency Cardiovascular Care - American Heart Association 2010