

Public Safety Instructors, LLC
Lesson Plan / Outline for 3 hour EMS Training

Course Name: Cardiac Arrest Management

Time Frame: 3 hours

Objectives:

Participants should be able to:

- Identify the major causes of cardiac arrest in adults, children and infants (All levels)
- Explain the chain of survival and it's 4 components (All levels)
- Explain the difference between V-Fib / Pulseless V-Tach and PEA / Asystole (All levels)
- Properly demonstrate the proper sequence of events used to manage a Cardiac Arrest (All levels)
- Properly demonstrate correct defibrillation technique and energy settings (All levels)
- Properly demonstrate ET tube placement (All levels)
- Properly demonstrate pharmacologic treatment for various cardiac arrest scenarios (EMT-P only)

Course Outline:

00:00 – 00:05 Introduction
 00:05 – 00:20 Cardiac arrest: it's causes and our ability to prevent it
 00:20 – 00:30 Heart attack signs and symptoms
 00:30 – 01:00 Review Cardiac Arrest EMS Protocol
 V-Fib and Pulseless V-Tach
 PEA
 Asystole
 01:00 – 01:10 BREAK
 01:10 – 01:30 Instructor led Cardiac Arrest Demonstration Scenario
 01:30 – 02:00 Skill Station Review (10 minutes each topic)
 Defibrillation
 Review new ECC Guidelines 2005 Material
 Airway
 Review airways importance in cardiac arrest management
 Discuss various means to control an airway, eg. ET, Combitube
 Drug Therapy
 Review drug therapy and new ECC 2005 material
 02:00 – 02:10 BREAK
 02:10 – 03:00 Skill Station - Practical Skills Review (goal is 2 scenarios per group)
 Cardiac Arrest Scenarios in groups of 3 or 4

Equipment Needed:

Recommended Quantity:

Adult ALS Trainer	1
Computer ALS Simulator	1
Computer Projector	1
AED (AED Trainer)	1
Airway Kit	1
Defibrillator / Pacemaker	1
Drug Box	1

CE hours to be awarded	
Pediatric	<u>1.0</u>
Geriatric	<u>1.0</u>
Cardiac	<u>3.0</u>
Medical	_____
Trauma	_____
Other	_____

Physician Review completed by _____ Date _____