

Course Objectives/Course Outline
Spokane Community College

Course Title: Advanced Cardiovascular Life Support Lab

Prefix and Course Number: RT 412

Course Learning Outcomes:

By the end of this course, a student should be able to:

Demonstrate the following using a high fidelity simulator:

- A. Manage an airway of a patient who is apneic
- B. Demonstrate the use of simple and complex artificial airways
- C. Demonstrate previously learned BLS and AED skills
- D. Recognize cardiac arrhythmias and correctly apply ACLS algorithms
- E. Demonstrate competency by completion of a Mega-Code simulation
- F. Demonstrate competency by completion of the ACLS written examination

Course Outline:

- I. Oxygen therapy equipment station
- II. Airway management and EtCO₂ equipment station
- III. Electrical therapy equipment station
- IV. BLS and effective CPR skills station
- V. Mega-code practice scenarios (ACLS core cases)
 - A. Recognition and care of respiratory arrest
 - B. Recognition and treatment of bradycardia's
 - C. Recognition and treatment of tachycardia's
 - D. Recognition and treatment of pulseless electrical activity and asystole
 - E. Recognition and treatment of pulseless ventricular tachycardia and fibrillation
 - F. Recognition and treatment of acute coronary syndrome
 - G. Recognition and treatment of acute stroke
- VI. Final written exam
- VII. Final Mega-code simulation