

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: RTH 295

Credits: 1

Course Title: Topics in Respiratory Therapy: Advanced Cardiac Life Support

Course Description: Designed for health care professionals who are responsible for direct patient care. Lecture and hands-on training provide the delivery of life-saving techniques when faced with an emergency. Presents the recognition and management of life-threatening occurrences through airway stabilization, rhythm recognition, and pharmacologic therapy. Prerequisites: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy. Lecture 1 hour per week.

General Course Purpose: This course is designed for Respiratory Therapy students who are part of the Rapid Response Team in a hospital setting.

Course Prerequisites and Co-requisites:

Prerequisites: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Recognize the adult in peri-arrest and/or at risk of cardiopulmonary arrest;
- b. Demonstrate the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest;
- c. Demonstrate the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control;
- d. Identify normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies;
- e. State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system;
- f. Perform techniques to obtain vascular access; and
- g. Perform advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

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