

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
RSP 231S CRITICAL CARE I  
4 CREDIT HOURS

**COURSE DESCRIPTION**

Focuses on the implementation of respiratory therapy interventions. Includes laboratory exercises to aid in the development of assessment and therapeutic interventions. Advanced respiratory interventions will be discussed, such as invasive and non-invasive forms of ventilation. Prerequisite: RSP 122S and either CHM 110S or CHM 111S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
4	1. Develop knowledge to appropriately assess the clinical presentation of the patient.	2
2	2. Develop the foundation of mechanical invasive and non-invasive ventilation.	2, 3
2	3. Identify the principles of positive pressure ventilation in regards to the mechanical ventilator, intrapulmonary percussive ventilation (IPV), intermittent positive pressure breathing (IPPB), continuous positive airway pressure (CPAP), and bilevel positive airway pressure (BiPAP).	2, 3
3	4. Demonstrate proficiency in oral intubation of the patient.	2, 3
2	5. Differentiate between the types of nasal and oral endotracheal tubes, tracheostomy tubes, and other airways.	2, 3
3	6. Develop understanding and display proper use of bag-valve-masks.	2, 3

**CORE VALUES**

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

**TOPIC OUTLINE**

1. Respiratory vitals
2. Intubation and securing an endotracheal (ET) tube
3. Cuff pressure monitoring
4. Continuous positive airway pressure/bilevel positive airway pressure set-up
5. Intermittent positive pressure breathing
6. Intrapulmonary percussion device