

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
RSP 242S RESPIRATORY CLINICAL II  
1 CREDIT HOUR

**COURSE DESCRIPTION**

The student will gain clinical and diagnostic technique experience with general respiratory intervention modalities and patient assessment. This course will focus on gaining clinical care experience in respiratory care procedures in the intermediate and critical care environments for neonatal, pediatric, and adult care populations. Prerequisite: RSP 142S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
2	1. Develop interprofessional communication skills with interdisciplinary care teams.	1
5	2. Establish the clinical knowledge to competently assess and treat patients in need of respiratory therapy intervention in the neonatal, pediatric, and adult populations in intermediate and critical care environments.	2
5	3. Develop skills to assess the respiratory therapy patient and acquire data collection skills to determine the course of respiratory intervention of the patient.	2
4	4. Implement oxygen administration appropriate to patient condition and status.	2,3
3	5. Develop clinical assessment skills including breath sounds, chest inspection, neurological assessment, echocardiograms (EKGs), etc.	2
3	6. Complete competencies and checkoffs involving the course-associated modalities.	2,3
3	7. Identify and show competence in the assembly of course-associated treatment modalities.	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. Fetal development
2. Assessment & monitoring of the neonate
3. Neonatal disorders
4. Respiratory therapy interventions and treatment of neonatal disorders
5. Assessment & monitoring of the pediatric patient
6. Mechanical ventilation management of the neonatal and pediatric patient
7. Medication nebulizers
8. Lung expansion devices

9. Metered dose inhalers and dry powdered inhalers
10. Suctioning
11. Positioning and postural drainage
12. Directed cough techniques
13. Positive expiratory pressure devices/flutter
14. Chest vest
15. Insufflation/exsufflation
16. Incentive spirometry
17. Humidity therapy
18. Arterial blood gas
19. Respiratory vitals
20. Intubation
21. Securing an endotracheal (ET) tube
22. Cuff pressure monitoring
23. Continuous positive airway pressure/bilevel positive airway pressure set-up
24. Intermittent positive pressure breathing
25. Intrapulmonary percussion device