

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
RSP 130S RESPIRATORY PHARMACOLOGY
3 CREDIT HOURS

COURSE DESCRIPTION

Focuses on the interactions and mechanisms of action between medications and the body's physiology. Students will learn about drugs that affect the respiratory system, as well as cardiovascular, antimicrobial, and neuromuscular medications. This includes indications, contraindications, complications, and intended and unintended side effects of these medications. Prerequisite: Instructor permission.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
2	1. Establish the foundational knowledge of the neurotransmission systems within the body.	2
3	2. Develop skills to correctly administer respiratory medications.	3
2	3. Understand the mechanisms of action of respiratory, cardiovascular, antimicrobial, and neuro-effective medications.	3
2	4. Identify the indications, contraindications, complications, and intended/unintended side effects of medications studied.	2

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. Chronic obstructive pulmonary diseases
2. Asthma
3. Neurotransmission
4. Bronchodilator therapy and medications
5. Mucolytics/surfactants
6. Anti-inflammatory medications
7. Anti-asthmatic medications
8. Cardiovascular medications
9. Neuro-effective medications
10. Respiratory infectious diseases
11. Antimicrobial inhaled medications
12. Advanced cardiac life support medications