| **PROFESSOR:** |  |
| --- | --- |
| **OFFICE LOCATION:** |  |
| **OFFICE HOURS:** |  |
| **PHONE NUMBER:** |  |
| **E-MAIL:** |  |
| **SEMESTER:** |  |
| **DELIVERY METHOD:** |  |

# COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

## RET 1007 Respiratory Care Pharmacology (3 Credits)

The knowledge and skills required for safe, effective administration of therapeutic drugs and indications and contraindications associated with drug therapy are an integral part of this course. This course introduces essential and advanced concepts of pharmacology as related to Respiratory Care. Anatomy and physiology of body systems as related to drug therapy, as well as drugs related to both maintenance and emergency care, will be emphasized.

## PREREQUISITES FOR THIS COURSE:

RET 1024

### CO-REQUISITES FOR THIS COURSE:

None

## GENERAL COURSE INFORMATION:

Topic Outline

The function of the parasympathetic to the sympathetic nervous system

The action of sympathomimetic bronchodilating drugs

The effects of parasympatholytic bronchodilators

The different types of mucolytic agents and their actions

Routes of administration

Metered dose inhalers (MDI), small volume nebulizers (SVN), and dry powder inhalers (DPI)

The proper technique for using an MDI, SVN and DPI

The role of surfactant in the lungs and surfactant replacement agents

Biologic medications and their impact on patient care

The pharmacological effects of anti-arrhythmics, inotropes, diuretics, vasodilators

Anti-infective agents

## ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the outcomes/objectives assessed in this course which play an integral part in the student’s general education along with the general education competency they support.

General Education Competency: **Investigate**

Course Outcomes or Objectives Supporting the General Education Competency:

Describe the pre- and post-assessment responses to pharmacologic agents.

Explain the use of respiratory care pharmacologic agents.

Identify adverse reactions to respiratory pharmacologic agents.

Explain the appropriate classification of respiratory care pharmacologic agents.

General Education Competency: **Think**

Course Outcomes or Objectives Supporting the General Education Competency:

Recommend appropriate pharmacologic agents based on patient clinical presentation.

2. Listed here are the outcomes/objectives assessed in this course which play a supplemental role in the student’s general education along with the general education competency they support.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency:

Calculate drug dosages.

## DISTRICT-WIDE POLICIES:

### PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <https://www.fsw.edu/adaptiveservices>.

### REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at [equity@fsw.edu](mailto:equity@fsw.edu). Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College’s website at <https://www.fsw.edu/sexualassault>.

## REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

## ATTENDANCE POLICY:

The professor’s specific policy concerning absence. (The College policy on attendance is in the Catalog and defers to the professor.)

## GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

| **Grade Percent** | **Letter Grade** |
| --- | --- |
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| Below 60 | F |

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

## REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

## RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

## CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

## ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)