



**RESPIRATORY PHARMACOLOGY**

Date 7/22/10

**C - L - CR**  
**2 - 0 - 2**

**COURSE NUMBER:** RES 246

**PREREQUISITE(S):** Successful completion of earlier program requirements

**CO-REQUISITE(S):** None

**COURSE DESCRIPTIONS** This course includes a study of pharmacologic agents used in cardiopulmonary care.

**TEXTBOOK(S):** Gardenhire, Douglas, Respiratory Care Pharmacology, 7<sup>th</sup> Edition. St Louis, Mosby, 2008. ISBN: 978-0-323-03202-5

**REFERENCE(S):** Wilkins, Stoller, and Kacmarek, Egan's Fundamentals of Respiratory Care, 9<sup>th</sup> Edition. St. Louis, Mosby, 2003. ISBN: 978-0-323-03657-3

**OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT:** Only the use of a four function mathematical calculator is allowed during an exam. This would **exclude** the use of PDA's, Pocket PC's, Laptop Computers, Cell Phones or any other device that may double in use as a storage or recording device of any test materials. Sharing of calculators will not be allowed.

**METHOD OF INSTRUCTION:** This course will be taught by lecture, discussion, and demonstration.

**GRADING SYSTEM:**  
92 - 100 = A  
84 - 91 = B  
76 - 83 = C  
68 - 75 = D  
Below - 67 = F

A grade of C or higher is required to continue in the associate degree program.

**GRADE CALCULATION METHOD:**

Unit Tests	=	50%
Presentation	=	15%
Assignments	=	10%
Final Exam (Comprehensive)	=	20%
Professionalism	=	5%
		<hr/>
		100%



**Unit Tests** - All students will be notified in advance of all major exams. If a student is absent due to sickness or emergency on the day of an assigned test or exam, the student must notify the appropriate course instructor prior to the start of that class period. The student must speak directly with the course instructor. If the course instructor is not available prior to class, a message may be left on the course instructor's voice mail. Providing the previous conditions have been met, the student will be allowed to take the test or exam on the day that the student returns to campus. **No arrangements will be made for the make-up examination in the event that the student is absent without prior notification or did not attempt to take the test or exam on the day he or she returned to campus.** A grade of "0" will be recorded for that test or exam. A maximum of two make-up tests or exams will be allowed per semester.

**Any student arriving over 10 minutes late for a scheduled test or exam will be considered absent for that test or exam and will not be admitted to class until the exam is over. The student will be required to take the test or exam in the Testing Center that day on his or her own time. The make-up test or exam cannot be taken during class, lab, or clinical. If a pop quiz has already started when the student arrives, he or she may not take it and may not make it up. A "0" will be recorded for that pop quiz.**

**Presentation:** Each student will develop a presentation based on a topic to be determined. Presentations will be given as noted on the course schedule. See addendum for additional information.

**Assignments:** All students are required to complete the assigned computer tutorial as noted in the syllabus addendum. The tutorial must be completed and the accompanying handout filled out as the tutorial is being done. At the end of the tutorial session, once the handout has been fully filled out, the student must take the comprehensive quiz. The student may take the quiz as many times as they want. The quiz score must be printed and turned in no later than November 29, 2010. The quiz score that is turned in will be the score given for the computer tutorial component of the course grade. In addition, all students are required to complete drug cards as noted in the syllabus addendum. Drug cards are due no later than November 15, 2010.

**Professionalism:** Professionalism will be graded according to the rubric included in the syllabus addendum. Absences, tardies, leaving class early, sleeping in class, disruptive/rude behavior, and failure to or refusing to assist classmates will all detract from the professionalism grade. See addendum for more specific information.

**ATTENDANCE POLICY:** The student is responsible for punctual and regular attendance in all classes, laboratories, clinical, practica, internships, field trips, and other required class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. When illness or other emergencies occur, the student is responsible for notifying instructors and completing missed work if approved for late submission by instructors.

**A recorded absence will occur at anytime the student misses a class, arrives to class ten minutes after class begins, sleeps through class or leaves within the first half of the class period**

Students are tardy if not in class at the time the class is scheduled to begin. **Any student who is over 5 minutes tardy will be admitted at the instructor's discretion. Two tardies will result in one absence for the class.**

Instructors maintain attendance records. However, it is the student's responsibility to withdraw from a course. A student enrolling in and attending at least one course session remains enrolled until the student initiates a withdrawal.

Withdrawal Policy: During the first 75% of the course, a student may initiate withdrawal and receive a grade of W. A student cannot initiate a withdrawal during the last 25% of the course. Extenuating circumstances require documentation and approval by the appropriate department head and academic dean.

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**ABSENCES FOR RELIGIOUS HOLIDAYS:**

Absences for Religious Holidays: Students who are absent from class in order to observe religious holidays are responsible for the content of any activities missed and for the completion of assignments occurring during the period of absence. Students who anticipate their observance of religious holidays will cause them to be absent from class and do not wish such absences to penalize their status in class should adhere to the following guidelines:

1. Observance of religious holidays resulting in three or fewer consecutive absences: Discuss the situation with the instructor and provide written notice at least one week prior to the absence(s). Develop (in writing) an instructor-approved plan, which outlines the make up of activities and assignments.
2. Observances of religious holidays resulting in four or more consecutive absences: Discuss the situation with the instructor and provide the instructor with written notice within the first 10 days of the academic term. Develop an instructor-approved plan, which outlines the make-up of activities and assignments.

**CLASSROOM  
CONDUCT:**

**ACADEMIC DISHONESTY:** Students are expected to uphold the integrity of the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook.

**CELLULAR PHONES AND PAGERS/BEEPERS:** Cellular phones, pagers and beepers are ***not*** permitted to be turned on or used within the classroom. Use of these devices during classroom time will be considered a violation of the student code as it relates to "disruptive behavior."

**CLASS/LAB  
PROCEDURES:**

Students are expected to behave in a professional manner in all classes and labs

**ACCOMMODATIONS:**

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services. You may contact Student Disability Services by calling, (864) 592-4811, toll-free 1-800-922-3679; via email through the Spartanburg Community College web site at [www.sccsc.edu/SDS/](http://www.sccsc.edu/SDS/); or by visiting the office located in the Dan Lee Terhune Student Services Building, room 112 of the Spartanburg Community College campus. By contacting Student Disability Services early in the semester, students with disabilities give the College an opportunity to provide necessary support services and appropriate accommodations.

**Department Chair:**

Joel Livesay, MS, RRT  
592-4845  
[livesayj@sccsc.edu](mailto:livesayj@sccsc.edu)

**Course Instructor:**

Lisa Conry, MA, RRT  
592-4257  
[conryl@sccsc.edu](mailto:conryl@sccsc.edu)

**COURSE OUTCOMES & OBJECTIVES:**

**Upon satisfactory completion of this course, the student will be able to:**

- I. Summarize the general pharmacological principles
  - A. Diagram the sources of drugs, effects of drugs on the body and factors that alter drug effects
  - B. Compare and contrast the physiology of the sympathetic and parasympathetic nervous systems differentiating between the receptors and responses.
  - C. Outline the mechanism of action of adrenergic, antiadrenergic, cholinergic, anticholinergic drugs, and aerosolized antimicrobials
  
- II. Apply the principles of pharmacology to respiratory care
  - A. Explain the mechanism of action of respiratory care medications
  - B. Analyze a case study and recommend the appropriate respiratory care medication to administer
  - C. Given a case study, appropriately modify the medication regimen
  - D. Recognize side effects to respiratory care medications
  - E. Analyze the medication regimen for a case study patient and deduce if the regimen is appropriate.