

University of South Alabama
Department of Cardiorespiratory Care
CRC 334 Pharmacology
Fall Semester 2017

Course Information

August 16 – December 1, 2017 (November 8 is last day of classes for CRC 334)
CRC 334 Section 10402
Class days and time: See Daily Schedule at cresources.com

Faculty Information

David Chang, EdD, RRT-NPS
251-445-9289 (office)
HAHN 3140

Contact: dchang@southalabama.edu (if a response is needed within 3 school days, call 251-445-9289 or department secretary at 251-445-9284.

Office Hours: Monday and Wednesday 1 pm to 3 pm; other days and times by appointment.

Course Description

CRC 334 will use the team-based learning (TBL) strategy incorporating assignments, individual and team assessments, and discussions. An overview of pharmacological principles will be presented with special emphasis on drugs influencing the respiratory, cardiovascular, nervous, and renal systems. Students will study the preparation of drugs as well as the calculation of dosages and mixtures. Emphasis is placed on the clinical applications of those drugs commonly used in the treatment of patients with cardiac or pulmonary problems.

Class Schedule

CRC 334 consists of 1.5- or 3-hour class sessions as listed in the calendar for juniors. In addition to the class sessions, individual groups will meet TBA for preparation of team-based learning and activities. For a complete daily schedule, use Internet Explorer (not compatible with Firefox) and access the department website "cresources.com/schedule_and_notes.html" and view or print "Fall Semester 2017 Schedule for Juniors."

Goals and Objectives

The primary goals of CRC 334 Pharmacology are to prepare the students: to become knowledgeable in the application of cardiorespiratory and related drugs commonly used in patient care; to use the respiratory drugs correctly and safely. For specific chapter learning objectives, key terms and definitions, refer to the beginning of each textbook chapter.

Prerequisites and Co-requisites: See current USA catalog

Required Textbooks and Course Materials

1. *Respiratory Care Pharmacology*, 9th edition, Douglas Gardenhire
2. Other reference sources from required textbooks, journals and internet (e.g., *Egan's Fundamentals of Respiratory Care*, latest edition, Kacmarek et al., *Taber's Cyclopedic Medical Dictionary*, latest edition)
3. Personal laptop that can access swf files

Course Topic Outline, Student Responsibilities and Competencies

Textbook is required. Refer to the chapter outline, learning objectives, and keys terms for each chapter in the textbook. At the end of this course, students should be able to list, describe, calculate, measure, apply, analyze or problem solve the relevant topics related to the major headings in each chapter of the textbook.

Worksheets will be available for most chapters. The students must complete the reading assignments and questions in the worksheets before the respective class sessions. Individual and Team Readiness Assessment Tests (iRAT and tRAT) will be used for most chapters or assignments.

All tests and examinations will be administered no sooner than one day after completion of the respective course materials. Students should prepare for the tests and examinations ahead of time.

Chapters 1-5 (some chapters will have iRAT and tRAT)
(Unit Test 1)

Chapters 6-11 (some chapters will have iRAT and tRAT)
(Unit Test 2)

Chapters 12-17 (some chapters will have iRAT and tRAT)
(Unit Test 3)

Chapters 18-23 (some chapters will have iRAT and tRAT)
(Unit Test 4)

Evaluations and Assessment

My team number is _____

All iRATs = 20% of course grade

All tRATs = 20% of course grade

4 unit tests = 60% of course grade

Comprehensive final exam (optional exam to substitute average of 4 unit tests)

Deductions – 100% deduction for each respective quiz/test for failure to use personal computer to complete online iRAT and tRAT.

(Must earn 70% or higher on iRAT to earn tRAT score. If iRAT is <70%, the same score will be used as the tRAT score)

Additional exercises or activities for “bonus” extra credits can be used to increase the end-of-semester course % grade by a maximum of 3%. These “bonus” credits cannot be used if the final grade is already at or higher than 80%.

Important Dates

Last date to drop a course - October 20, 2017

Last day of classes - Wednesday, November 8

Final exam period for Fall 2017 - December 4-7

Policy on make-up iRAT, tRAT, unit test, and final exam

(Evaluation Policies – iRATs and tRATs are given at the beginning of the class period. Since these tests are timed, there is no provision for “make-up” iRATs or tRATs. You may not enter the classroom once these tests are in progress.)

There will be no make-up tests without extreme justifications (e.g., documented illness or jury duty). If you miss the iRAT or tRAT, the unit test score will be used to substitute the missing quiz grade. If you miss one or more unit tests, the final exam becomes mandatory and the final exam grade will be used to substitute the missing unit test grade.

Final exam score may be used to substitute all four unit tests. Since this substitution is optional but binding, use this option only to improve your final course grade.

Class Attendance and Behavioral Policy

Students will be evaluated for attendance. Unexcused absences exceeding 20% of the scheduled class days will result in a course grade of “F.” Unacceptable behaviors during class (e.g., eating or drinking, using cell phone or sound- or visual-producing device, surfing the internet, texting, committing academic dishonesty) will lower the student’s final grade by 1% for each incidence. Number of absences, tardiness, and unacceptable classroom behaviors will be noted and become part of the departmental student record. These behaviors will be reported in the recommendation letters to your future prospective employers and graduate / professional school admissions committees.

Important Notes

Changes in Course Requirements

- Not all classes progress at the same rate thus course requirements might have to be modified as circumstances dictate. You will be given written notice if the course requirements need to be changed.

Academic Disruption Policy

- The University of South Alabama's policy regarding Academic Disruption is found in [The Lowdown](#)

Disruptive academic behavior is defined as individual or group conduct that interrupts or interferes with any educational activity or environment, infringes upon the rights and privileges of others, results in or threatens the destruction of property and/or is otherwise prejudicial to the maintenance of order in an academic environment.

- *Students are expected to be cordial, courteous and respectful of faculty members and fellow students.*
- Cell phones, pagers, handheld electronic devices, laptops, videotaping and other electronic devices may not be used without permission by the faculty for this course.

Only enrolled students are permitted to be in the classroom. Classroom door may be locked after starting time. Students should prepare and allow ample time for travel and parking on campus. Any academic misconduct or disruption will be reported to the Department Chair or the Dean of Students. You must become familiar with the pertinent information in the current *USA Undergraduate and Graduate Bulletin*, specifically the university calendar and the academic policies and procedures.

If the student must miss a class due to illness or unforeseen conditions, it is the responsibility of the student to make arrangements for class notes, handouts, and assignments. Feel free to call the faculty for help as early as feasible. Do not wait until the last minute to get help.

Student Academic Conduct Policy

- The University of South Alabama's policy regarding Student Academic Conduct Policy is found in *The Lowdown*

The University is committed to supporting the exercise of any right guaranteed to individuals by the Constitution and the Code of Alabama and to educating students relative to their responsibilities.

- Describe the penalty that student may incur if they violate these standards in your class.
- Students enrolled in online courses are expected to adhere to the Academic Conduct Policy. In particular, students are expected to complete their own coursework and not provide unauthorized information or materials to another student.
- Policy on plagiarism software.
Students may learn about the meaning of plagiarism and how to avoid it.

Students With Disabilities

- In accordance with the Americans with Disabilities Act, students with bona fide disabilities will be afforded reasonable accommodations. The Office of Special Student Services (OSSS) will certify a disability and advise faculty members of reasonable accommodations. If you have a specific disability that qualifies you for academic accommodations, please notify the instructor/professor and provide certification from the Office of Special Student Services. OSSS is located at the Educational Services Building, 320 Alumni Circle #19 (251-460-7212).

Additional Requirements and Recommendations

Testing

- During testing in CRC 334, books, workbooks, notes, internet access, calculators and other electronic devices are not allowed (unless the test is “open-book”). Personal computer must be used for online testing. Students must make prior arrangements to access the internet in the CRC classroom and laboratory in the Health Professions (HAHN) Building. Exams (tests, quizzes) will be proctored. Late arrival may prevent students from entering the class room and taking the exam. For excused tardy (e.g., medical appointment, traffic ticket), each *minute* of tardiness will cause deduction of 1% of your earned % score on the exam. For excused absence on the day of exam (e.g., jury duty, medical appointment), the exam must be taken within 3 days of returning to school and some exam items may be in an essay format.