

Advanced Cardiopulmonary Anatomy and Physiology

Class

RSPT 1340

Provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary system.

Course Learning Objectives

Explain advanced concepts of cardiopulmonary anatomy and physiology; describe the neurological control of breathing; differentiate ventilation/perfusion concepts, to include acid-base balance with classification, and summarize principles of gas transport.

Evaluation Standards

Examinations (6): 60%

Exam 1 (Course Objective I)

Exam 2 (Course Objective II)

Exam 3 (Course Objective III)

Exam 4 (Course Objective IV)

Exam 5 (Course Objective V)

Exam 6 (Course Objective VI)

Assignments (14): 20%

Assignment 1 (Course Objective I)

Assignment 2 (Course Objective II)

Assignment 3 (Course Objective II)

Assignment 4 (Course Objective III)

Assignment 5 (Course Objective III)

Assignment 6 (Course Objective IV)

Assignment 7 (Course Objective IV)

Assignment 8 (Course Objective V)

Assignment 9 (Course Objective V)

Assignment 10 (Course Objective VI)

Assignment 11 (Course Objective VI)

Assignment 12 (Course Objective VI)

Assignment 13 (Course Objective VII)

Assignment 14 (Course Objective VII)

Final Examination: 20%

Final Exam: (Course Objectives III, IV, V and VII)

Absences

Your attendance is the biggest predictor of your success. Attendance at every class (online and/or face to face) is expected. The student will be allowed to miss 4 class days (exception test days) and 2 lab/assignment exercises without it adversely affecting their grade. Every one absence over the allotted days will result in the student's final grade being reduced by 10%. The lab/assignment exercises have to be completed on the scheduled date for the student to obtain credit. If the student is more than 15 minutes late to lecture, this will constitute an absence. If the student leaves more than 15 minutes early, this will constitute an absence. 3 tardies count as 1 day absent. All students must achieve a minimum of 75% or higher to pass this course.

Disabilities

ADA Statement:

Any student with a documented disability (e.g. learning, psychiatric, vision, hearing, etc.) may contact the Office on the Weatherford College Weatherford Campus to request reasonable accommodations. *Phone:* 817-598-6350 *Office Location:* Office Number 118 in the Student Services Building, upper floor. *Physical Address:* Weatherford College 225 College Park Drive Weatherford, TX.

Academic Integrity

Academic Integrity is fundamental to the educational mission of Weatherford College, and the College expects its students to maintain high standards of personal and scholarly conduct. Academic dishonesty of any kind will not be tolerated. Academic dishonesty includes, but is not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials including unauthorized use of Generative AI. Departments may adopt discipline specific guidelines on Generative AI usage approved by the instructional dean. Any student who is demonstrated to have engaged in any of these activities will be subject to immediate disciplinary action in accordance with institutional procedures.

SCANS

The Secretary's Commission on Achieving Necessary Skills (SCANS) identified Competencies in the area of Resources, Interpersonal, Information, Systems, and Technology; and foundation skills in the areas of Basic Skills, Thinking Skills, and Personal Qualities. This course is part of a program in which each of these Competencies and skills are integrated. The specific SCANS Competencies that are recognized throughout this course are noted at the end of the appropriate Competencies or task listed.