

THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY

College of Health Affairs

Department of Health & Biomedical Sciences

**BMED 3104 – Integrated Body Systems 1
(Cardiovascular and Respiratory System) – Spring 2017**

Instructor: Ms. Ifelayo Adefuye
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Class Schedule: M 10:50am – 11.40am, BSABH. 2.110

Office Hours: T - R 2:00 pm – 3:00 pm or by appointment

Textbook and/or Resource Material

The books required for this course are the same used in the subsequent course (IBS II, III, IV, and V)

- **Textbook title: Guyton and Hall Textbook of Medical Physiology**
 - Author: John E. Hall; Edition: 13th edition
 - ISBN: 978-1-4557-7005-2
- **Textbook title: Clinically Oriented Anatomy**
 - Author: Keith L. Moore, Anne M.R. Agur, Arthur F. Dalley; Edition: 6th edition
 - ISBN-13: 978-0781775250
- **Textbook title: Junqueira's Basic Histology**
 - Author: Anthony Mescher; Edition: 13th edition
 - ISBN-13: 978-0071780339

Format:

Active learning, lecture and discussions.

Course Description

This course is an in depth examination of the CardioPulmonary System. Topics include embryology, anatomy, histology, physiology, clinical aspects, pathophysiology and pharmacology of the CardioPulmonary System.

Student Learning Outcomes

At the end of this course, students that successfully complete all course objectives are expected to:

1. The student will achieve an understanding of the structure and function of the cardiovascular system.
2. The student will achieve and understanding of the structure and function of the respiratory system.

3. The student will describe benefits of exercise in the treatment of patients with cardiovascular and respiratory compromise.
4. The student will comprehend relevant example of human health and diseases in the areas of the cardiovascular and respiratory systems.

Departmental learning outcomes that are met by this course are:

1. Students will be able to communicate scientific concepts related to the course by oral and written means.
2. Students will acquire a basic knowledge of the biomedical sciences in a range of important multidisciplinary areas.

Class Schedule* Subjected to changes*

Date	Topic	Format	Assessment
16- Jan	MLK Holiday and Day of Service		
23-Jan	Into/Basic Anatomy of the CardioPulmonary System	Discussion TBL	
30-Jan	Developmental Anatomy of the Cardiovascular System	Discussion TBL	iRAT/tRAT
06-Feb	Anatomy of the Cardiovascular System	Discussion TBL	
13-Feb	Physiology of the Cardiovascular System Part I	Discussion TBL	iRAT/tRAT
20-Feb	Physiology of the Cardiovascular System Part II	Discussion TBL	
27-Feb	Pathophysiology and Common Diseases of the C.V System	Discussion TBL	iRAT/tRAT
6-Mar	EXAM 1		
March 13-18	Spring Break	Spring Break	Spring Break
20-Mar	Developmental Anatomy of the Respiratory System (Embryology)	Discussion TBL	
27-Mar	Anatomy of the Respiratory System	Discussion TBL	iRAT/tRAT
3-Apr	Physiology of the Respiratory System	Discussion TBL	iRAT/tRAT
10-Apr	Pathophysiology and common diseases of the Respiratory System	Discussion TBL	iRAT/tRAT

17-Apr	Class Presentation	Class Presentation	
24-Apr	Contemporary Approaches to the study of the Respiratory System	Discussion TBL	iRAT/tRAT
1-May	Benefits of Exercise on the Respiratory System	Discussion TBL	iRAT/tRAT
8-May	FINAL EXAM	Comprehensive	

Grading Policies

Grades for the course will be determined by 8 individual readiness assessment tests (iRATs)/ 8 team readiness assessment tests (tRATs), 2 exams, and Presentation.

Note – a total of 8 iRat/tRAT assessments will be given – your lowest iRAT/ tRAT grades will not be counted towards your final grade.

Assessment

Midterm Exam -30%

Final Exam -30%

iRAT/tRAT – 25%

Presentation – 15%

Grade	Score Range
A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	< 60

Use of Electronic Devices during Courses

- Laptops and other electronic devices may be used in class for the purpose of course-related content and personal note taking ONLY.
- Recording the lecture/activities through audio or video is forbidden.
- Please turn off your cell phones or put them on silent before coming to class
- Students are expected to refrain from playing games, watching movies/videos, listening to music, etc....

Attendance Policy:

It is required that you attend all classes, midterm and final exam and class exercises. There will be no make-ups for quizzes, midterm exam or assignments. The final can only be made up if a substantial excuse (documented from doctor etc.) is provided. It is expected that you show up for class on time since no exams or assignments will be handed out after the first person has finished.

Calendar of Activities

The UTRGV academic calendar and final exam schedule can be found at <https://my.utrgv.edu/home> at the bottom of the screen, prior to login. Some important dates for Spring 2017 include:

Jan 16	MLK Holiday and Day of Service
Jan 17	First day of class for full semester
Jan 30	Last day to add a class for spring 2017 semester
Mar 13 – 18	Spring Break, no classes
Apr 13	Last day to drop (DR grade) a class or withdraw (grade of W)
Apr 14 – 15	Easter holiday, no classes
May 3	Last day of classes for full semester
May 4	Study Day, no classes
May 5 - 11	Final Exams (Schedule)
May 12-13	Commencement Exercises

UTRGV Policy Statements

STUDENTS WITH DISABILITIES:

If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. **Brownsville Campus:** Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 8827374 (Voice) or via email at accessibility@utrgv.edu. **Edinburg Campus:** Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

MANDATORY COURSE EVALUATION PERIOD:

Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (<http://my.utrgv.edu>); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades.

ATTENDANCE:

Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences. UTRGV's attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

SCHOLASTIC INTEGRITY:

As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility

of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism, and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.

SEXUAL HARASSMENT, DISCRIMINATION, and VIOLENCE:

In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.

COURSE DROPS:

According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the “3-peat rule” and the “6drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.