



**The University of Texas Rio Grande Valley
College of Health Affairs
Department of Health and Biomedical Sciences**

Course Syllabus

**BMED 3104 - Integrated Body Systems I
(Cardiovascular and Respiratory System)
Spring 2016**

Contact Information:

Instructor: Dr. Lorena Lopez / Dr. Maria Teresa Castaneda
Office: BRHP 1.124
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Office Hours: Tuesday: 10:30am – 12:30pm; Wednesday: 11:00am – 2:00pm
Office Hours by Appointment: Thursday: 11:00am – 2:00 pm

Meeting Times and Location:

Section 1: Wednesday 9:00 - 9:50am @ LHSB 1.410
Section 2: Wednesday 10:00 - 10:50am @ LHSB 1.410

Course Description:

The students in this course will have the opportunity to study the detailed structure and function of the cardiovascular and respiratory system.

Student Learning Outcomes:

- The student will achieve an understanding of the structure and function of the cardiovascular system.
- The student will achieve an understanding of the structure and function of the respiratory system.
- The student will describe benefits of exercise in the treatment of patients with cardiovascular and respiratory compromise.
- The student will comprehend relevant examples of human health and diseases in the areas of the cardiovascular and respiratory systems.

Departmental Learning Outcomes:

- The student will be able to communicate renal system concepts by oral and written means.
- The student will perform satisfactorily in standardized examinations.

Course Requirements:

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

Schedule subject to change at instructor discretion

Date	Topic	Format	Assessment
Instructor: Dr. Lopez			
20-Jan	Histology of the Cardiovascular System	Discussion TBL	iRAT/gRAT
27-Jan	Laboratory Exercise: Microscopic Anatomy of the Cardiovascular System	Review of Slides	iRAT/gRAT
3-Feb	Anatomy of the Cardiovascular System	Discussion TBL	iRAT/gRAT
10-Feb	Physiology of the Cardiovascular System Part I	Discussion TBL	iRAT/gRAT
17-Feb	Physiology of the Cardiovascular System Part II	Discussion TBL	iRAT/gRAT
24-Feb	Pathophysiology and Contemporary Approaches to the study of Cardiovascular Function	Discussion TBL	iRAT/gRAT
2-Mar	Laboratory Exercise: Interpreting Vital Signs and Discussing the Benefits of Exercise on the Cardiovascular System	Interpreting BP and Pulse	iRAT/gRAT
9-Mar	MIDTERM		
Spring Break (March 14-18)			
Instructor: Dr. Castaneda			
23-Mar	Histology of the Respiratory System	Discussion TBL	iRAT/gRAT
30-Apr	Laboratory Exercise: Microscopic Anatomy of the Respiratory System	Review of Slides	iRAT/gRAT
6-Apr	Anatomy of the Respiratory System	Discussion TBL	iRAT/gRAT
13-Apr	Physiology of the Respiratory System	Discussion TBL	iRAT/gRAT
20-Apr	Pathophysiology of the Respiratory System	Discussion TBL	iRAT/gRAT
27-Apr	Contemporary Approaches to the study of the Respiratory System	Discussion TBL	iRAT/gRAT
4-May	Benefits of Exercise on the Respiratory System	Discussion TBL	iRAT/gRAT
11-May	FINAL EXAM		

Your final grade will be calculated as follows:

1. Class activities/worksheets - 15% of the grade
2. iRAT/gRAT - 25% of the grade
2. Midterm – 30% of the grade.
3. Final Exam – 30% of the grade.

Note: The 2 lowest iRAT and/or gRAT grades will **not** count towards your final grade.

Incomplete Grade Policy: An incomplete grade may be given when students have not completed the required course work within the regular semester if the student can demonstrate that the reason for the work being incomplete is justified.

Final Grades will be assigned according to the following scale:

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

Exam Requirements:

1. Scantrons are needed, be sure to buy some before coming into class. (Form 882-E)

2. NO MAKEUPS EXAM WITHOUT A LEGITIMATE EXCUSE.

In the event of a legitimate and documented absence from an in-class exam (e.g. Serious illness on the day of the exam with a doctor's note, proof of being hospitalized.) you must consult the Instructor within 24 hours of your absence for an in-class exam. Absences without a valid reason will result in a grade of zero for the missed exam. When exams are administered, as soon as the first student is finished with his/her exam, no one will be admitted into the testing room.

PLEASE BE ON TIME! If you arrive late for an examination, you will not be given any additional time to complete the exam. If you arrive more than 15 minutes late for an examination, you will not be allowed to take the exam.

3. At the end of the exam, you must return your copy of the exam when you turn in your scantron.

Course Requirements:

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...

Email Policy

- Every student is issued a University e-mail address and account at the time when the student first enrolls. Per policy, only the students' University e-mail address shall be used for any electronic institutional communications of an official nature.

Important Information:

- Reading is vital.
- Students are expected to attend all sessions.
- Participation is strongly encouraged!!
- *Check Blackboard regularly for important announcements*
- Do not hesitate to set up an appointment with me if you have any comments, questions, or concerns regarding the class or the material.

Study Tips:

Every student has a different method for learning the material. There's no magic studying formula that will work for everyone. Some students make their own notes, others use flash cards, and others use videos or other visual aids. Each student is different, so my recommendation is find a system that works for you and stick with it.

***Absence and Makeup Policy:**

If an excused absence is unavoidable and legitimate, at the instructor's sole discretion, students may complete an alternate assignment.

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) 882-7374 (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. Online evaluations will be available Nov. 18 – Dec. 9, 2015. Students who complete their evaluations will have priority access to their grades.

ATTENDANCE:

Professional behavior is expected on the part of the students, this involves punctual attendance to all classes and labs, timely notification of unavoidable absences, and recognition of what constitutes an excused versus an unexcused absence. 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 “6-drop” 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.