



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

**BMED 3106 -01 Integrated Body Systems III
(Renal System Fluids and Electrolytes)
Fall 2016**

Contact Information:

Instructor: Dr. Maria Teresa Castaneda
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Office Hours: Mondays 2-4 PM (Academic)
Tuesday 3-4 PM (Tea/Talk) .Send an e mail.

Meeting Times and Location: Monday **10-10:50 AM** LHSB 1.410

Course Description:

The students in this course will have the opportunity to study the detailed structure and function of the renal/urinary system.

Student Learning Outcomes:

- The student will achieve an understanding of the structure and function of the renal/urinary system.
- The student will describe mechanisms involved in altered fluid, electrolyte, and acid-base balance.
- The student will comprehend relevant examples of human health and diseases in the areas of the renal system:
- Fluid /Electrolyte and Acid/Base Balance be able to identify and describe the physiology of the homeostatic mechanisms that control fluid electrolyte and acid/base balance.
- This section of the course includes: identification and description of the major fluid compartments, including intracellular, extracellular, intravascular, and interstitial (including volume and chemical composition of these fluids).

Required Texts:

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

***Students should have these books already:

- Ganong's Review of Medical Physiology. Guyton Text Physiology.

29 -Aug	Introduction		
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5-Sep	Histology of the Renal System	Discussion TBL	iRAT/gRAT
12-Sep	Lab activity (renal/urinary system)	Review of slides	Lab Handout
19-Sep	Anatomy of the Renal/Urinary System and The Nephron	Discussion TBL	iRAT/gRAT
26-Sep	Physiology of the Renal/Urinary System	Discussion TBL	iRAT/gRAT
3-Oct	Pathophysiology of the Renal/Urinary System	Discussion TBL	iRAT/gRAT
10-Oct	Fluid and electrolyte management	Discussion TBL	iRAT/gRAT
17-Oct	Fluid and electrolyte imbalances	Discussion TBL	iRAT/gRAT
24-Oct	MIDTERM EXAM		
31-Oct	Acid/Base balance and imbalances	Discussion TBL	iRAT/gRAT
7-Nov	Cause : Acidosis/Alkalosis	Discussion TBL	iRAT/gRAT
14-Nov	Clinical Manifestations of impaired acid/base balance(Analysis of patient case studies)	Discussion TBL	Case Study
21-Nov	Renal and Urological pain presentations: Infections, calculi, other related disorders.	Discussion TBL	iRAT/gRAT
28-Nov	Renal and Urinary tract disorders & Diagnostic Testing/Guidelines for Immediate Medical Attention. Kidney failure.	Discussion TBL	iRAT/gRAT
5-Dec	Study Day		
12-Dec	FINAL EXAM		

Your final grade will be determined as follows:

1. Class activities/worksheets ,Attendance- 10% of the grade
2. iRAT/gRAT - 30% of the grade
3. Midterm – 30% of the grade.
4. Final Exam – 30% of the grade.

Note: The lowest iRAT or gRAT grade 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 MAKEUP 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.

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. Some students make their own notes, 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.

Calendar of Activities

Include in this section a table or list that provides information for students regarding important dates, assignments or activities. The UTRGV academic calendar can be found at <http://my.utrgv.edu> at the bottom of the screen, prior to login. Some important dates for Fall 2016 include:

Aug 29 Fall classes begin

Sept 1 Last day to add or register for Fall classes

Sept 2 Last day to withdraw (drop all classes) for a 80% refund

Sept 5 Labor Day Holiday, no classes

Sept 14 Census day (last day to drop without it appearing on the transcript)

Nov 17 Last day to drop (DR grade) a class or withdraw (grade of W)

Nov 18 - Dec 8 Online course evaluations available

Nov 24 - Nov 25 Thanksgiving Holiday, no classes

Dec 8 Study Day, no classes

Dec 9 – Dec 15 Final Exams

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 ability@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 ability@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. Online evaluations will be available:

Oct 5 – Oct 12 for Module 1 courses

Dec 1 – Dec 7 for Module 2 courses

Nov 18 – Dec 8 for full fall semester courses

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 "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.

UTRGV Policy Statements:

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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.

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