

MISSION SYLLABUS

Mission 6: Introduction to Integrated Body Systems Part 2

BS in Biomedical Sciences

Mission 6: Introduction to Integrated Body Systems Part 2

Course Equivalency: BMED 3105, 3106, 3107

Spring 2017: 3/20 – 5/13

***This syllabus represents the current course plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.*

TEXTBOOK AND/OR RESOURCE MATERIAL

All required content for this course is paid for via course fees and is delivered via iPad, which will be issued to you at your orientation meeting for the program. This learning material will include carefully curated readings, video, interactives, animations, apps, and other sources.

The following materials, and many others, are included:

- Principles of Biology, Sapling Learning
- Anatomy and Physiology, OpenStax College, <https://openstaxcollege.org/textbooks/anatomy-and-physiology>
- Conceptos de Biología, OpenStax College, <http://cnx.org/contents/e7a016d3-91fc-4ba0-9e05-a33e986f3d94:1/Conceptos-de-Biolog%C3%ADa>
- Khan Academy, Anatomy and Physiology, <https://www.khanacademy.org/science/health-and-medicine/human-anatomy-and-physiology>
- Khan Academy, Anatomía y fisiología humana, <https://es.khanacademy.org/science/health-and-medicine/human-anatomy-and-physiology>
- Get Body Smart, <http://www.getbodysmart.com/>
- OSCE Skills App--This app gives you step-by-step illustrated instructions for a large number of Objective Structured Clinical Examinations of the kinds used to test future doctors on their competence in performing clinical skills.
- Medical Dictionary by Farlex App--This tool allows you look up comprehensive definitions of medical terminology, word parts, and topics. This is a rich tool to which you will likely refer throughout your studies and career.

COURSE DESCRIPTION AND PREREQUISITES

Welcome to the next step of your journey into the world of the biomedical sciences. As you reach each of your learning goals, you will develop the knowledge and skills needed for future courses. You will also learn what the professionals in the field know about medicine and the inner workings

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of the human body. It will be a fascinating trip through one of the fastest growing areas of scientific study. In this mission, you will study:

- The Endocrine and Reproductive Systems
 - The Endocrine System – Part 1
 - The Endocrine System – Part 2
 - The Male and Female Reproductive Systems
- The Urinary and Renal Systems
 - Body Fluids and Balance
 - Urinary and Renal Systems
- The Gastrointestinal System
 - The Gastrointestinal System
 - Nutrition and the Life Cycle

LEARNING OBJECTIVES/OUTCOMES FOR THE COURSE

As you complete the activities in this course, you will work toward demonstrating competence in each of these programmatic objectives:

- Apply knowledge of biology in defining and discussing basic biomedically-related science concepts. (Level 1)
- Describe the structure and function of the body and explain the basis of major pathologies and diseases at the molecular, cellular, organ, and system levels. (Level 1)
- Critically examine the science behind disease prevention and health promotion, especially as related to common chronic conditions. (Level 1)
- Recall the most relevant equations used in the biomedical sciences, describe the phenomenon they explain, and cite how and when they are applied. (Level 1)
- Describe the social and environmental determinants of health and their influences on healthcare and biomedical research; discuss related impacts on individuals, communities, and populations—regionally, nationally, and globally. (Level 1)
- Demonstrate a desire to help others as well as sensitivity to others' needs and feelings. (Level 1)

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- Demonstrate knowledge of socio-cultural factors that affect interaction and behaviors, multiple dimensions of diversity, and strategies for interacting effectively with people from diverse backgrounds. (Level 1)
- Demonstrate ability to collaborate with others to achieve shared goals. (Level 1)
- Behave in an honest and ethical manner; cultivate personal and academic integrity; adhere to ethical principles; follow rules and procedures. (Level 2)
- Consistently fulfill obligations in a timely and satisfactory manner; take responsibility for personal actions and performance. (Level 2)
- Set goals for continuous improvement and for learning new concepts and skills; solicit and respond appropriately to feedback. (Level 2)
- Appropriately utilize campus, community, and other resources to aid in success in the university setting, including progressive awareness of how and when to seek academic assistance or other professional support. (Level 2)

GRADING POLICIES

Team-Based Learning Activities (TBL) are completed in groups in class and require out of class preparation prior to attending class. These activities emphasize *integration* of content and concepts learned in other activities. They also emphasize diseases, conditions, and other aspects of human biology and health. The TBL will contain two sets of grades: an individual grade and a team based grade. In this activity there is a quiz and clinical case, every Friday. **Team Based Learning Activities will have a total value of 30% of your final grade.**

End of Mission Exam cover all the content in the Mission, and are taken after you have successfully completed all of the activities in the Mission and reviewed what you have learned. You will take this exam in class and not on TEx. ***No retake of the End of Mission Exam will be allowed without a legitimate excuse. End of Mission Exam will have a total value of 45% of your final grade.***

Attendance will be taken at every class and coached study session. You are expected to attend every class. You are allowed one unexcused absence without penalty. Each additional unexcused absence will be penalized. Attendance and punctuality are basic requirements for effective class discussions and team based learning, all of which enhance your success in the mission.

Attendance will have a total value of 10% of your final grade - (5% from face-to-face with instructor and 5% from coached study sessions with instructional facilitator).

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Team Presentation: consists of a group presentation on a topic suggested by the instructor. The instructor will assign the day of your group's presentation. **Team Presentation will have a total value of 15% of your final grade. Evaluation of your group presentation will be based on the set of predetermined criteria listed below:**

I. Preparation

- Helpful outline
- Well researched
- Well rehearsed
- Kept to time requirements (10 min. per group, 2 min. per person)

II. Organization

- Organized presentation that flows logically
- Clear transitions between speakers
- Attention getter
- Conclusion

III. Content

- Clear assertion in beginning
- Persuasive arguments with supporting evidence & research
- Alternative argument and rebuttal
- Creative & appropriate recommendations
- Visual aids (PowerPoint slides, handouts)

IV. Delivery

- Audience adaptation & engagement
- Body language and voice
- Other team members not distracting
- Confident & comfortable with topic
- Professional attire

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Etiquette , Courtesy, Professionalism.

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

Please follow this recommendation:

You are expected to arrive to class on time; give your undivided attention during the lecture and other instructional material (videos, media, etc.) being provided by the instructor. You are strongly encouraged to participate in class discussions to make connections between concepts and be respectful when others (instructor and peers) are speaking. Be fully engaged in your learning in order to organize your ideas and extract important concepts; refrain from distractions such as checking your phone, email, texting, social media, or any other distractions. *If you are unable to meet the expectations, points will be deducted from your participation/attendance grade.* If you arrive to class after the instructor has started the class session, it is your responsibility to check-in with the instructor after class; *if you arrive 15 minutes late, you will be allowed in the classroom but you will be counted as absent.* *These guidelines/expectations are to also be followed for your coached study sessions.*

STAYING ON TRACK

The TEx app on your iPad will help you keep track of your schedule of activity due dates and will let you know if you begin to get off track. Your Instructional Facilitator and Instructors will also be monitoring your work and are there to help you; contact them immediately if you start to struggle. If you get behind, don't give up—work with them to make a plan to get back on track.

It is strongly encouraged to complete the activities in TEx (e.g. CFUs through Get Body Smart and PBAs) as it will help enhance your learning and understanding of the course material but it will *NOT* count towards your final grade in the mission.

ABSENCE AND MAKEUP POLICY

Coached Study Hours and Class Activities are mandatory. If an excused absence is unavoidable and legitimate, at the Instructor's sole discretion, students may complete an alternate assignment.

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CALENDAR OF EVENTS

The UTRGV academic calendar can be found at <http://my.utrgv.edu> at the bottom of the screen, prior to login. Important dates for Spring 2017 include:

JANUARY 17	CLASSES BEGIN
MARCH 13 – 18	SPRING BREAK. NO CLASSES
APRIL 13	LAST DAY TO DROP A CLASS (GRADE OF DR) OR WITHDRAW (GRADE OF W)
APRIL 14 – 15	EASTER HOLIDAY. NO CLASSES
MAY 4	STUDY DAY. NO CLASSES
MAY 5 – 11	FINAL EXAMS

Date	Day	Activity	Contact
3/20	Monday	Intro to Mission 6: Integrated Body Systems 2 Intro video Module 1, Unit 1: The Endocrine & Reproductive System Part 1 <i>Face to Face Session</i>	
	Tuesday	Practice 1.1	Faculty
	Wednesday	<i>Face to Face Session</i> – Coached Study Hour	IF
	Thursday		
	Friday	<i>Face to Face Session</i> - Team-Based Learning 1	Faculty
3/27	Monday	Module 1, Unit 2: Physiology of the Endocrine System Part 2 <i>Face to Face Session</i>	Faculty
	Tuesday	Practice 1.2	
	Wednesday	<i>Face to Face Session</i> – Coached Study Hour	IF

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	Thursday		
	Friday	<i>Face to Face Session – Team-Based Learning 2</i>	Faculty
4/3	Monday	<u>Module 1, Unit 3: The Male and Female Reproductive Systems</u> <i>Face to Face Session</i> Performance-based Assessment 1	Faculty
	Tuesday	Practice 1.3	
	Wednesday	<i>Face to Face Session – Coached Study Hour</i>	IF
	Thursday		
	Friday	<i>Face to Face Session – Team-Based Learning 3</i>	Faculty
4/10	Monday	<u>Module 2, Unit 1: Body Fluids and Balance</u> <i>Face to Face Session</i>	Faculty
	Tuesday	Practice 2.1	
	Wednesday	<i>Face to Face Session – Coached Study Hour</i>	IF
	Thursday		
	Friday	<i>EASTER HOLIDAY – NO CLASSES</i>	
4/17	Monday	<u>Module 2, Unit 2: Urinary and Renal Systems</u> <i>Face to Face Session</i>	Faculty
	Tuesday	Practice 2.2	
	Wednesday	<i>Face to Face Session – Coached Study Hour</i>	IF
	Thursday		
	Friday	<i>Face to Face Session – Team-Based Learning 4</i>	Faculty

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4/24	Monday	Module 2, Unit 3: pH – Regulation and Imbalances <i>Face to Face Session</i> Performance-based Assessment 2	Faculty
	Tuesday		
	Wednesday	<i>Face to Face Session</i> – Coached Study Hour	IF
	Thursday		
	Friday	<i>Face to Face Session</i> - Team-Based Learning 5	Faculty
5/1	Monday	Module 3, Unit 1: The Gastrointestinal System <i>Face to Face Session</i>	Faculty
	Tuesday	Practice 3.1	
	Wednesday	<i>Face to Face Session</i> – Coached Study Hour	IF
	Thursday	STUDY DAY – NO CLASSES	
	Friday	<i>Face to Face Session</i> - Team-Based Learning 6	Faculty
5/8	Monday	Module 3, Unit 2: Nutrition & the Life Cycle <i>Face to Face Session</i> Performance-based Assessment 3	Faculty
	Tuesday	Practice 3.2	
	Wednesday	<i>Face to Face Session</i> – Coached Study Hour	IF
	Thursday		
	Friday	<i>Face to Face Session</i> – Review/Study Guide	Faculty
5/13	Saturday	Mission Final Exam – In Class (time and location TBA)	Faculty

Students must complete all activities prior to taking the final exam

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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. 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

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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.