

THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
College of Health Affairs
Department of Health & Biomedical Sciences

BMED 1105 *Intro to Medical Genetics* – Fall 2015

Instructor	Ms. Ifelayo Adefuye
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Class Schedule	S 10:50am – 12.30pm, BRHB. 1.207 (BMED 1105-08)

Office Hours M -W 2:00 pm – 4:00 pm or by appointment

Textbook and/or Resource Material

Principles of Biology – Nature Education (e-book), 1st edition.
You may already have this book from one of the other BMED courses.
<http://www.nature.com/principles/student-catalog>
Chapters of this text that are used for this class will be explained in class

Format:

Active learning, lecture and discussions.

Course Description

The new biomedical introductory course in medical genetics will include problem based learning, interactive team based learning and discussions of case studies with the focus on introducing the basic concepts in human and medical genetics.

Student Learning Outcomes

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

1. Demonstrate knowledge of basic genetics terminology
2. Understand the role of genetics experiments and concepts in human diseases
3. Be able to solve basic genetics problems using critical thinking skills
4. Demonstrate a cross-disciplinary, integrated understanding of medical genetics in relation to other disciplines.
5. Have improved critical thinking skills applied to biomedicine and be able to interpret and draw conclusions from hypothetical scenarios
6. Be capable of understanding and applying the scientific method on experimental scenarios pertaining to the course

Departmental learning outcomes that are met by this course are:

1. Students will be able to a) demonstrate a substantial factual knowledge base and b) grasp of the basic concepts of the genetic basis of biological systems and c) be able to relate them to human health and disease.

2. Students will learn to answer questions from standardized graduate examinations such as MCAT.

Students will be able to research a topic using standard electronic and non-electronic methods.

4. Students will appreciate the role of research in the biological, biomedical and clinical sciences.

Class Schedule* Subjected to changes*

Day	Date	Activities
Sat	10/31/2015	Cell Division, Sexual Life cycle, Meiosis and Sexual reproduction)
Sat	11/07/2015	Cell Division, Sexual Life cycle, Meiosis and Sexual reproduction)
Sat	11/14/2015	Mendel's Principles, Mendelian Inheritance & Non-Mendelian Inheritance)
Sat	11/21/2015	Mendel's Principles, Mendelian Inheritance & Non-Mendelian Inheritance
<u>Sat</u>	<u>11/28/2015</u>	<u>Midterm exam</u>
Sat	11/28/2015	Genetic Inheritance in humans, Chromosome theory)
Sat	12/05/2015	Genetic Inheritance in humans, Chromosome theory)
Sat	12/12/2015	Linked genes, Genetic disorders)
<u>Thur</u>	<u>12/17/2015</u>	<u>Final Exam</u>

Assessment

Midterm term -20%

Final Exam -20%

Participation and Attendance- 10%

Quiz -10%

4 assignments – 40% (10% for each assignment)

Extra Points (Bonus)-10% - Written paper on an assigned topics (verify with instructor)

Students are expected to prepare for class and follow instructions for posted assignments or readings. Students have to come on time for the exams. As soon as the first student turns in an exam no new exams will be handed out. Students cannot leave the class room during the exams and are not allowed to use ANY electronic devices or written materials such as cell phones, ipads, computers, tablets, ipods, books, notes etc. The instructor will inform students when a calculator can be used. No late work will be accepted for any assignments. Not following those rules will result in 0 points or be dropped from the course. Students are required to frequently check the course page on blackboard for any updates regarding exams and course content. No additional extra credit projects, papers etc. will be accepted as a substitute at the end of the semester. Cell phones should be turned off and completely packed away during class times and exams.

Grading Policies

Grade	Range %
A	90-100
B	80-89
C	70-79
D	60-69
F	59 and Under

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 can be found at <http://my.utrgv.edu> at the bottom of the screen, prior to login. Important dates for Fall 2015 include:

August 31	Classes Begin
September 7	Labor Day Holiday; university closed
September 16	Last day to drop a class before it appears on the transcript and counts toward the "6-drop" limit. Last day to receive a 100% refund for dropped classes (other policies apply when a student is withdrawing from all classes).
November 18	Drop/Withdrawal Deadline; last day for students to drop the course and receive a DR grade. After this date, students will be assigned a letter grade for the course that will count on the GPA.
November 26-27	Thanksgiving Holiday; university closed
December 10	Study Day; no classes
December 11-17	Final Exams

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:

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.