

IBMS 6097 Research Fall 2019

CLASS DAYS and TIME: Variable as determined by the faculty mentors

CLASSROOM: Variable as determined by the faculty mentors

COURSE DIRECTOR: P. Renee Yew, Ph.D.

OFFICE LOCATION and HOURS: By appointment, STRF 261.2

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TELEPHONE: 210-562-4150

READ THIS DOCUMENT CAREFULLY - YOU ARE RESPONSIBLE FOR ITS CONTENTS.

COURSE DESCRIPTION AND OBJECTIVES

This course involves independent, original research under the direction of a faculty advisor. IBMS 6097-1GEN is a special lab section for first year students who have not yet committed to a particular IBMS discipline (or students who are in the process of changing disciplines). Generally, students should enroll in the research course section that corresponds to the most appropriate IBMS Disciplines: IBMS 6097-2BA for Biology of Aging (BA), IBMS 6097-3CB for Cancer Biology (CB), IBMS 6097-4CGM for Cell Biology, Genetics & Molecular Medicine (CGM), IBMS 6097-5MIM for Molecular Immunology & Microbiology (MIM), IBMS 6097-6MBB for Molecular Biophysics & Biochemistry (MBB), IBMS 6097-6NS for Neuroscience (NS), and IBMS 6097-7PP for Physiology & Pharmacology (PP). However, students who have not declared a discipline (e.g., students who must continue their laboratory rotations into the Spring semester of Year 1), should sign up for IBMS 6097-1GEN, General section. The IBMS 6097-1GEN course requires independent, original student research under the direction of a faculty mentor (could be the laboratory rotation advisor). Enrollment in IBMS 6097 with discipline designations typically requires course permissions which is granted by the discipline coordinator or director.

Pre-requisites – None

Semester credit hours – Variable, 1 SCH to 12 SCH

By the end of this course, each student should be able to:

- Conduct independent experiments using the appropriate experimental approaches in biomedical research to address scientific questions.
- Interpret the underlying principles, experimental design, data and statistical analyses of specific biomedical experiments.

COURSE ORGANIZATION

The main teaching modalities used in this course include:

- 1) Hands on laboratory work with the purpose of addressing an important area of study in Integrated Biomedical Sciences.

Materials – Laboratory protocols and laboratory notebooks. Laptop for data presentations.

Access to Course Materials – NA

Reading Assignments – Papers may be suggested by the faculty mentor.

ATTENDANCE

Attendance and participation are mandatory. One large component of the grading is participation in the lab work so if a student does not perform their assigned lab work then this may result in an unsatisfactory grade or incomplete. Any scheduled absences must be approved by the faculty mentor prior to the absence.

TEXTBOOKS

No required textbooks.

GRADING POLICIES AND EXAMINATION PROCEDURES

Students will be graded on their attendance and participation. A final grade will be assigned by the course director based on the grade given to the student by the mentor.

Grading System

Honors/Satisfactory/Unsatisfactory

REQUESTS FOR ACCOMODATIONS FOR DISABILITIES

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at <http://uthscsa.edu/eoo/request.asp>.

ACADEMIC INTEGRITY AND PROFESSIONALISM

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at <http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/academicdishonestypolicy/>

TITLE IX AT UTHSCSA

Title IX Defined:

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

University of Texas Health Science Center San Antonio’s Commitment:

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at <http://students.uthscsa.edu/titleix/>

EMAIL POLICY

Students should communicate with the course director via e-mail.

USE OF RECORDING DEVICES

NA

ELECTRONIC DEVICES

Electronic devices such as cell phones, computers, tablets, etc. are permitted in the lab.

CLASS SCHEDULE

TBD

WEEK	DATE	TOPIC	Assignment	Instructor and Modality
Week 1				
Week 2				
Week 3				
Week 4				
Week 5				
Week 6				
Week 7				
Week 8				
Week 9				
Week 10				
Week 11				
Week 12				
Week 13				
Week 14				
Week 15				
Week 16				
Week 17				