

**RESEARCH IN MOLECULAR MEDICINE 6097  
MMED RESEARCH**

**SPRING 2017**

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**CLASS DAYS and TIME:** MONDAY – FRIDAY, JANUARY 09, 2017 – JUNE 16, 2017

**CLASSROOM:** TBD – SUPERVISING MENTOR LAB

**COURSE FACULTY:** HAI RAO, PHD, MOLECULAR MEDICINE CHAIR OF GRADUATE STUDENTS, (COGS)

**OFFICE LOCATION and HOURS:** STRF 261.4 – 10:00AM – 4:00 PM

**EMAIL:** roah@uthscsa.edu

**TELEPHONE:** 210-562-4149

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**COURSE DESCRIPTION AND OBJECTIVES**

Research in Molecular Medicine, (MMED 6097), Spring Semester

Students will receive comprehensive training in relevant areas of their choosing. Students are expected to become an excellent scientist with both strong technical skills and scholastic ability.

**Pre-requisites** – Upon completion of Ethics in Research, Core Courses, and required 3 lab rotations. Student will register Research Course each semester until ready to complete Dissertation Course

**Semester credit hours** – 1-12 credit hours

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

- Develop original hypothesis and analyze literature.
- Design and perform scientific experiments efficiently.
- Analyze and follow up the experimental results.

**COURSE ORGANIZATION**

**The main teaching modalities used in this course include:**

- 1) Train students to develop original hypothesis and analyze literature.
- 2) Train students to design and perform scientific experiments efficiently.
- 3) Train students to analyze and follow up the experimental results.
- 4) Train students to effectively present the data in oral and written formats.
- 5) Train students to have broader knowledge and critical vision in science.

**Materials** – Daily log journal, maintained by Student, to remain in Mentor lab. Equipment and reagents required for the projects would be provided by the supervising faculty.

**Computer Access** – Students can bring their computer or will have access to a laptop computer in the lab that can connect to and operate over a wireless network.

**Software required:**

- Microsoft Office Suite (A personal copy of the latest version can be purchased at The UTHSCSA bookstore at student pricing with a student ID)

Laptops with an Apple based Operating System must be able to also operate using a Windows based Operating System. It may be necessary to purchase Windows (student pricing available at The UTHSCSA bookstore with a student ID) and virtualization software.

All laptops will connect to The UTHSCSA network via the HSC wave broadcast wireless connection. Authentication for wireless use is based on The UTHSCSA domain username and password.

Verification of proper operation **prior** to the start of class is highly recommended.

Assistance is available thru the IMS Service Desk

- Telephone:(567-7777
- E-mail ([ims-servicedesk@uthscsa.edu](mailto:ims-servicedesk@uthscsa.edu))

Assistance is also available at the IMS Student Support Center (ALTC 106).

**Reading Assignments** – Mentoring professor will assign the Student the Reading Assignments.

## **ATTENDANCE**

Research training process goes on daily throughout the course of the study, although specific time is flexible and depends on the schedule of the students and supervising professors

## **TEXTBOOKS**

There are no required textbooks for this course.

## **GRADING POLICIES AND EXAMINATION PROCEDURES**

Satisfactory/Unsatisfactory – based on completion of research projects and also academic progress.

### **Grading System**

**GRADE PROVIDED BY MENTORING PROFESSOR - SATISFACTORY OR 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/eeo/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**

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

#### **USE OF RECORDING DEVICES**

Recording of any activities in this course by any means, e.g., video, audio, etc., is not permitted unless approved by the instructor or required for compliance with the American with Disabilities Act (ADA).

#### **ELECTRONIC DEVICES**

Use in class is un-restricted and encouraged to document research progress.

**TENTATIVE CLASS SCHEDULE  
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MMED 6097/RESEARCH  
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<b>WEEK</b>	<b>DATE</b>	<b>TOPIC</b>	<b>Assignment</b>	<b>Instructor and Modality</b>
<b>Week 1</b>	01/09/17	SUPERVISING MENTOR WILL ASSIGN RESEARCH ASSIGNMENT TO MENTORED STUDENT		
		COURSE WILL TAKE PLACE MON-FRI 01/09/2017 -06/16/2017		
<b>Week 2</b>				
<b>Week 3</b>				
<b>Week 4</b>				
<b>Week 5</b>				
<b>Week 6</b>				
<b>Week 7</b>				
<b>Week 8</b>				
<b>Week 9</b>				
<b>Week 10</b>				
<b>Week 11</b>				
<b>Week 12</b>				
<b>Week 13</b>				
<b>Week 14</b>				
<b>Week 15</b>				
<b>Week 16</b>				
<b>Week 17</b>	06/16/17			