

# CSAT 5074: Introduction to Research

## Fall 2019

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**CLASS DAYS and TIME:** August 19 – September 6, 2019

**CLASSROOM:** 2.023V

**COURSE DIRECTOR:** Dr. Ramaswamy Sharma

**OFFICE LOCATION:** MED 2.024V1

**EMAIL:** [sharmar3@uthscsa.edu](mailto:sharmar3@uthscsa.edu)

**TELEPHONE:** (210) 567 3845

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### **COURSE DESCRIPTION AND OBJECTIVES**

In this course, students will have the opportunity to learn of the various research programs conducted in the Department of Cell Systems & Anatomy. This course will allow students to identify and interact with possible mentors for their thesis proposals.

### **COURSE OBJECTIVES:**

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

1. Describe the various research activities performed in the Department of Cell Systems & Anatomy.
2. Gain a basic understanding of each research topic (eg. Factual knowledge, methods, principles, generalizations and theories).
3. Learn how to find, evaluate and use resources to explore a topic in depth. (eg. PubMed)
4. Learn to analyze and critically evaluate ideas, arguments and points of view.
5. Identify research areas they would like to pursue.
6. Identify a mentor for their research rotation and/or thesis project.

### **COURSE ORGANIZATION/ FORMAT:**

This course invites CSA faculty to discuss their research with the students and identify specific projects that an interested student would pursue in their laboratory towards completion of his/her thesis. Students are highly encouraged to participate in the discussion. Students will submit 1-2 quizzes in CANVAS for each day of the course.

### **CREDITS:**

0.5 Semester Credit Hours

### **ATTENDANCE**

Attendance is required for all scheduled lectures. Excused absences may be granted at the discretion of the Course Director. For pre-scheduled events, students must provide advanced notice to the Course Director via e-mail to be excused. In case of illness, please notify the Course Director prior to the beginning of the class and provide a doctor's certificate at the next class. Other emergencies will be evaluated on a case-to-case basis. The e-mail request to the Course Director for consideration of an excused absence must provide details regarding the circumstances and specific dates. If a student requests an absence for religious observances (which must meet the policy requirement of the University), he/she must notify the Course Director and file the appropriate form (Notification of Planned Absence to Observe a Religious Holiday) within the first 3 days of the term. The student is responsible for obtaining the form from the Registrar's Office, completing it and organizing to meet with the Course Director to have it signed and dated. Per University policy, the Course Director will stipulate a reasonable time within which the student must complete the

missed course activities for that day. Students are expected to be punctual and conduct themselves in a manner respectful of both faculty and fellow students in the classroom.

### **TEXTBOOKS**

**Required:** There are no required textbooks for this course.

### **GRADING POLICIES AND EXAMINATION PROCEDURES**

The semester grade will consist of points accumulated from class attendance, in-class participation and quizzes submitted.

1. Attendance: (10% of final grade)
2. In-class participation (10% of final grade)
3. Canvas Quiz completion: (80% of final grade)

**Final Grade Policy:** Grades will be assigned as follows: Satisfactory (S) (70-100%) or Unsatisfactory (U) (<70%). It is the prerogative of the course director to determine if an Incomplete (I) grade is warranted when the student fails to attend the lectures and/or complete the quizzes on time for a reason that is acceptable to the course director.

### **E-MAIL POLICY**

All correspondence will be sent to the student using the student's LiveMail address and via CANVAS. It is the responsibility of the student to make sure that there is sufficient space in their mailbox to receive any such notices. Course Directors will not attempt other means to provide you with a notice if they receive a course notice because of "an exceeded email limit". All correspondence from the student to the Course Director should be sent to the course director's e-mail as listed on the first page of this syllabus.

### **USE OF RECORDING DEVICES**

Please request permission from the lecturer and course director prior to using recording devices during the lecture.

### **ELECTRONIC DEVICES**

Cell phones, computers and tablets may be used at the discretion of the lecturer and course director to follow along with the lecturer, taking notes, looking up the occasional unfamiliar term, and performing other activities directly related to the lecture. Any student in violation of this policy will be excused from the learning environment. An e-mail will then be sent to the Associate Deans of Student Affairs apprising them of the incidence.

### **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/eo/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/>

**CLASS SCHEDULE**  
**CSAT 5074: Introduction to Research, Fall 2019**

	<b>Date</b>	<b>Time</b>	<b>Instructor</b>	<b>Title</b>
Week 1	8/19/19	12:00-1:00 PM	Dr. Ramaswamy Sharma MED 2.024V; sharmar3@uthscsa.edu	Introduction to CSAT 5074 Keeping pace with Caspase-2
	8/20/19	12:00-12:30 PM	Dr. Qitao Ran MED 552C.4; ran@uthscsa.edu	Oxidative stress in neurodegeneration
		12:30-1:00 PM	Dr. James D. Lechleiter STRF, 207.2; lechleiter@uthscsa.edu	Molecular and cellular mechanisms of neuroprotection
	8/21/19	12:00-12:30 PM	Dr. Yidong Bai MED 221D; baiy@uthscsa.edu	The regulation of oxidative phosphorylation machinery
		12:30-1:00 PM	Dr. Lizhen Chen STRF 2.292.4; chenL7@uthscsa.edu	Genetic regulation of neuronal aging and regeneration
	8/22/19	12:00-1:00 PM	Dr. Russel Reiter MED 560C; reiter@uthscsa.edu	Melatonin: Greater than the sum of it's parts
	8/23/19	12:00-1:00 PM	Dr. Samy Habib MED 233D; habib@uthscsa.edu	Introduction to the kidney
	Week 2	8/26/19	12:00-1:00 PM	Dr. Luzhe Sun MED 2.058V sunl@uthscsa.edu
8/27/19		12:00-1:00 PM	Dr. Thomas King & Zachary Seal MED 231D; kingt@uthscsa.edu	Premed presentation
8/28/19		12:00-12:30 PM	Dr. Haley Nation MED 236D; nation@uthscsa.edu	3D anatomical models and cadaveric research
		12:30-1:00 PM	Dr. Erzsebet Kokovay MED 2.054V; kokovaye@uthscsa.edu	Adult neural stem cells

	8/29/19	12:00-1:00 PM	Dr. Pei Wang MED 2.054 1/2V; wangp3@uthscsa.edu	Things you want to know about pancreas
	8/30/19	12:00-1:00 PM	Dr. Christi Walter MED 225D; walter@uthscsa.edu	What's APE1 got to do with that?
Week 3	9/3/19	12:00-1:00 PM	Dr. Luiz Penalva GCCRI 3.100.10; Penalva@uthscsa.edu	RNA binding proteins and miRNAs in neurogenesis and brain tumor development
	9/4/19	12:00-1:00 PM	Dr. Ellen Kraig MED 4.013V kraig@uthscsa.edu	Scientific Integrity
	9/5/19	12:00-12:30 PM	Dr. Lily Dong MED 234D; <a href="mailto:dongq@uthscsa.edu">dongq@uthscsa.edu</a>	Identification of new therapeutic drugs for treating type 2 diabetes
		12:30-1:00 PM	Dr. Noboru Hiroi MED 211B hiro@uthscsa.edu	TBD
	9/6/19	12:00-1:00 PM	Dr. Ramaswamy Sharma & ALL Master's students	Mentor Selection

MED=Medical School; DTL=Dental School; both buildings are located on main campus (7703 Floyd Curl Dr., San Antonio, TX 78229).  
STRF= 8403 Floyd Curl Dr, San Antonio, TX, 78229