

Elective Name: MIDS5421/Introduction to Research

Course Director: Jannette M. Dufour, Ph.D., jannette.dufour@ttuhsc.edu

Course Coordinators: Jordan Kassab, MS2; Jordan.Kassab@ttuhsc.edu and Bennett Schackmuth, MS2; Bennett.Schackmuth@ttuhsc.edu

Campus: Lubbock

Department: School of Medicine

Course Description: This course is intended to provide a comprehensive overview of the concepts and methods of conducting research in basic science and clinical settings. This course will also include material over preparing and presenting scientific research. Students will be introduced to the concepts and methods of project development, literature search, and institutional review board (IRB) basics. Students will also be familiarized with statistical analysis tools, generation of a manuscript and poster presentation. Students will have the opportunity to attend poster presentations. At the end of this course, students will have the knowledge and tools to efficiently plan and present research.

Prerequisite: Enrollment in MSI/II curriculum

Maximum number of students: 100

Location: Didactic Sessions will be held in-person and zoom (based on lecturer's preference) for the entire 2022-2023 school year. Workshops will be held in-person, in rooms reserved on campus as needed.

Course Objectives and Expected Learning Outcomes:

1. Conduct basic principles of research as defined in the course description
2. Create relationships with various research mentors from the TTUHSC faculty
3. Adequately transition into TTUHSC research events such as the Student Research Week and Summer Research Program

Required Text: This will be a lecture-based course, and there will be no outside material required.

Attendance: Students are required to attend 9 out of 12 didactic lectures/ workshops.

Grading: This course will be graded on a pass/fail basis. Students are required to meet the attendance requirements & fulfill at least one of the following:

1. Attend student research week and provide feedback on a total of 3 presentations.
2. Apply for and present at student research week
3. Submit an application to the medical student summer research program (MSSRP).

Incompletes: Failure to attend a lecture or fulfill a requirement will result in a make-up assignment at the course directors' discretion. Make-up assignments may not be available for some requirements.

Lecture Schedule:

#	Date:	Topic:	Lecturer:
1	Late August	Overview of course, introduction to research at TTUHSC	Jordan Kassab and Bennett Schackmuth Jordan.Kassab@ttuhsc.edu Bennett.Schackmuth@ttuhsc.edu
2	Early September	Literature Searches and Literature Reviews	Dr. Daniel Stuart Daniel.Stuart@ttuhsc.edu
3	Middle September	Literature Searches and Literature Reviews (workshop)	Dr. Daniel Stuart Daniel.Stuart@ttuhsc.edu
4	Late September	Protocol creation and Research Design	Dr. Kaur Gurvinder.Kaur@ttuhsc.edu
5	Early October	IRB Design	Dr. Sorenson Kristyn.Sorensen@ttuhsc.edu
6	Late October	Patient lists and Navigating Powerchart	Dr. Kesey Jennifer.Kesey@ttuhsc.edu
7	Early November	Data Collection	Dr. Webster Dan.Webster@ttuhsc.edu
8	Early November	Biostatistics	Dr. Stephanie Stroever stephanie.stroever@ttuhsc.edu
9	November	Abstract/Conference Selection	Dr. Schneider Brandt.Schneider@ttuhsc.edu
10	Early January	Research Poster Creation and Presentation	Jordan Kassab and Bennett Schackmuth Jordan.Kassab@ttuhsc.edu Bennett.Schackmuth@ttuhsc.edu
11	January	Research Poster Creation (workshop)	RCSI Officers
12	Late January	Manuscript Writing/Journal Selection	Dr. Dufour

			jannette.dufour@ttuhsc.edu
--	--	--	--

Academic Integrity: All students are expected to subscribe to an honor system which is implicit in accepting admission to the Health Sciences Center. Each student shall be responsible for his/her conduct from the time of the application for admission through the actual awarding of a degree, even though conduct may occur before classes begin or after classes end, as well as during the academic year and during periods between terms of actual enrollment. Students are expected to abide by all of the rules for academic integrity, as specified in the TTUHSC Student Affairs Handbook (www.ttuhsc.edu/student-services/doc/handbook.pdf).

Students with Disabilities: "Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact the course instructor (or program director) to make the necessary referral. Students must present appropriate verification from Student Disability Services in a confidential meeting with the instructor. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact the Office of Student Disability Services located in Lubbock - 2C412, by telephone at 806-743-1926, or by email disabilityservices@ttuhsc.edu."