

TSCI 6101
TOPICS IN TRANSLATIONAL SCIENCE
FALL 2019

CLASS DAYS and TIME: Mondays 11:00am-1:00pm

CLASSROOM: McDermott Clinical Sciences Building, Room 2.104

COURSE FACULTY: Christopher Frei, PharmD, Course Director

OFFICE LOCATION & HOURS: McDermott Clinical Sciences Building, Rm 3.410, M-F 9am-3pm, by appointment

EMAIL: freic@uthscsa.edu

TELEPHONE: 210-567-8355

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

COURSE DESCRIPTION AND OBJECTIVES

This research seminar course is designed to introduce graduate students to the field of Translational Science and to members of academic, business, health, and scientific communities who are actively engaged in Translational Science. This course will also provide a forum for students to discuss their own Translational Science research.

Pre-requisites – None.

Semester credit hours – 1

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

- Articulate a contemporary definition of translational science.
- Appreciate the wide range of translational research and business activities in Texas and its connections with health research and care in the nation and world.
- Connect with translational enterprises in their local community.
- Highlight the translational nature of their own research.

COURSE ORGANIZATION

The main teaching modalities used in this course include:

1) Lectures – Many of the presentations are given as lectures using Microsoft PowerPoint.

2) Conferences – Graduate program leaders will hold interactive discussions with the students.

Students will participate in seminars, prepare and deliver formal introductions of guest speakers, complete related assignments, and will give short presentations about their own research progress and to explain how their work is translational. Students may participate synchronously or asynchronously online, with advanced permission from the course director. Each student will write a thank you note to each guest participant. Notes should be delivered to Dr. Chris Frei, in person, or by U.S. postal mail: Dr. Chris Frei, UTHSCSA, PERC, 7703 Floyd Curl Dr., MC-6220, San Antonio, TX 78229-3900. Notes are due 7 days after each class meeting. In addition, students may present their dissertation proposals or study progress at least once per year, as time allows.

Materials – None.

Computer Access – Various materials and assignments will require access to a computer with internet capabilities.

Students are required to have a laptop computer 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 university's 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 university's bookstore with a student ID) and virtualization software.

All laptops will connect to The UTHSCSA network via the HSCwave 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 through the IMS Service Desk

- Telephone: (210) 567-7777
- E-mail: ims-servicedesk@uthscsa.edu

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

Reading Assignments – Dr. Frei will post journal articles and other pre-class reading assignments to Canvas in advance of class meetings.

ATTENDANCE

Attendance at scheduled classes and examinations is crucial to meeting course objectives. Therefore, regular attendance in class is expected of each student.

- Attendance is defined as being present within 15 minutes after the scheduled beginning of the class and until 15 minutes before the scheduled ending of the class.
- Excused absences may be granted by the Course Director in cases such as formal presentations at scientific meetings, illness, or personal emergency.
- Excused absences are considered on an individual basis and require electronic communication with the Course Director to request an excused absence. The e-mail request to the Course Director for consideration of an excused absence must provide details regarding the circumstances and specific dates.
- It is expected that students will provide *advanced notice* of absence for scheduled events.
- If a student has excessive unexcused absences in a given course, they will automatically receive a grade of *unsatisfactory* unless *makeup* has been approved by the Course Director.
- Makeup of absences (both excused and unexcused) is allowed at the discretion of the Course Director.
- Allowable unexcused absences will be determined by the credit hours of the course as follows:

Course Semester Credit Hours	Allowable Unexcused Absences
3.0	3
2.0	2
1.0	1

TEXTBOOKS

Required: None.

Recommended: None.

GRADING POLICIES AND EXAMINATION PROCEDURES

The semester grade will consist of points accumulated from class participation and assignments.

Class Participation: (50% of final course grade)

Thank You Note Assignments: (20% of final course grade)

Speaker Introductions, Student Research Updates, & Other Assignments: (30% of the final course grade)

Class Participation (Grading Policy):

No comments/questions in a given class session = 0%

Quality comments/questions in a given class session = 100%

Students with advanced permission to participate asynchronously online will be required to write a half-page summary of what was discussed during the class meeting. The summary will receive a grade of 0% to 100% depending on the accuracy and quality of the summary, as judged by the course director. These summaries are due one week after the recording of the class meeting is made available for viewing.

Assignments (Grading Policy):

Students will be required to prepare and submit assignments. Students will also be asked to introduce speakers and provide their own research updates. Students will receive 100% of possible points for each assignment completed and turned in by the due date. Thank you notes, essays, and all other assignments are all due 7 days after the class meeting, unless otherwise specified. Late assignments will be deducted 25% of the possible points each day they are late, at the discretion of the course director. Assignments ≥ 4 days late will receive a score of 0%, at the discretion of the course director. Students who fail to introduce the speaker or present their own research update on their assigned date will receive a score of 0% unless they have an excused absence.

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 grades of Honors (H), Incomplete (I), or In Progress (IP) are warranted.

Grading System

Include a grading scale used to determine final grades, see example below

Satisfactory (S) = 70-100%

Unsatisfactory (U) = <70%

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

Faculty and staff will communicate with course participants using email and Canvas®, so please communicate email address changes with course faculty and staff within 48 hours of the change. Content, assignments, and announcements will be distributed by one of these mechanisms.

USE OF RECORDING DEVICES

When video- or voice-recordings are made available, they are intended for the course participants and other stakeholders in the Translational Science programs. Faculty and students utilizing class video- and voice-recordings should be careful not to compromise the privacy of either themselves or other users (see FERP guidelines), or the rights of the presenter. Any additional distribution of course recordings (regardless of format) is prohibited without the written and signed permission of the presenter and students identifiable on the recording.

ELECTRONIC DEVICES

Recording of lectures and other learning activities in this course by any means (e.g., video, audio, etc.) is only permitted if approved by the course director or required for compliance with Americans with Disabilities Act (ADA).

CLASS SCHEDULE

CLASS	DATE	TOPIC	Assignment	Instructor
Class 1 11am-1pm	7/15	Translational Science	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 2 11am-1pm	8/5	Responsible Conduct	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 3 11am-1pm	8/19	Research Design & Analysis	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 4 11am-1pm	9/16	Team Science & Leadership	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 5 11am-1pm	9/30	Cultural Proficiency	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 6 11am-1pm	10/21	Communication	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 7 11am-1pm	11/18	The Business of Translational Science	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD
Class 8 11am-1pm	12/9	Evidence-Based Policy & Implementation	Presentations (selected students) Discussion (all students) Assignment (all students)	Christopher Frei, PharmD

* All classes meetings are from 11am-1pm, unless otherwise specified. Students will introduce and provide thank you notes to any guest participants. Thank you notes are due 7 days after the class meeting. Assignments are due 7 days after each class meeting, unless otherwise specified.

INDIVIDUAL CLASS INFORMATION

CLASS 1:

Date:	7/15/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Translational Science
Learning Objectives:	Articulate a contemporary definition of translational science. Provide an example of Translational Science. Explain how your research is Translational Science.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 2:

Date:	8/5/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Responsible Conduct
Learning Objectives:	Articulate a contemporary definition of responsible conduct. Provide an example of scientific misconduct. Explain what you are (or could be) doing to ensure responsible conduct with your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 3:

Date:	8/19/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Research Design & Analysis
Learning Objectives:	Explain an innovative design or analysis method that is being used in Translational Science. Explain how your own research design and analysis methods are (or could) enable you to advance your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 4:

Date:	9/16/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Team Science & Leadership
Learning Objectives:	Articulate a contemporary definition of team science. Provide an example of team science in Translational Science. Explain how you are (or could) use team science to advance your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 5:

Date:	9/30/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Cultural Proficiency
Learning Objectives:	Articulate a contemporary definition of cultural proficiency. Provide reasons why cultural considerations are important in Translational Science. Explain how you have (or could) change your research to better include other cultures.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 6:

Date:	10/21/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Communication
Learning Objectives:	Name three forms of communication that are important in Translational Science. Provide an example of how innovative communication is being used in Translational Science. Explain what you are (or could be) doing to better use communication to advance your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 7:

Date:	11/18/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	The Business of Translational Science
Learning Objectives:	Describe the role of business in Translational Science. Provide an example of how business principles/approaches are being used in Translational Science. Explain how you are (or could be) using business principles and approaches to advance your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)

CLASS 8:

Date:	12/9/19
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Evidence-Based Policy & Implementation
Learning Objectives:	Describe the role of evidence-based policy and implementation in Translational Science. Provide an example of how evidence-based policy and implementation are being used in Translational Science. Explain how you are (or could be) using evidence-based policy and implementation to advance your own research.
Assignments:	Presentations (selected students) Discussion (all students) Assignment (all students)