

TSCI 6101
TOPICS IN TRANSLATIONAL SCIENCE

FALL 2016

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 and HOURS: McDermott Clinical Sciences Building, Room 3.410, by appointment

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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 a seminars and will complete assignments related to content covered in the seminar and their degree program requirements. Students will prepare and deliver a formal introduction for guest speakers. Students will also be asked to 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 speaker. Notes should be delivered to Dr. Chris Frei or Ms. Susan Stappenbeck, 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 the speaker's seminar. In addition, students in candidacy 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 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 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 – None.

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%

Minimal comments/question in a given class session = 70%

Multiple 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 seminar. The summary will receive a grade of 0% to 100% depending on the completeness and quality of the summary, as judged by the course director. These summaries are due one week after the speaker's seminar 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 are due 7 days after a guest speaker's seminar. Essays are due 7 days after the speaker's presentation is posted. All other assignments are due before the next class period, unless otherwise specified. Late assignments will be deducted 25% of the possible points each day they are late.

Assignments ≥ 4 days late will receive a score of 0%. 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/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

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).

TENTATIVE CLASS SCHEDULE
TSCI 6101
TOPICS IN TRANSLATIONAL SCIENCE
FALL 2016

CLASS	DATE	TOPIC	Assignment	Instructor and Modality
Class 1 11am-1pm	7/7	Overcoming Challenges to Commercialize Research	Introduction (students rotate) Thank you note (all students) Essay (asynchronous online only)	Nathan Vanderford, PhD, MBA (Lecture)
Class 2 11am-1pm	7/11	Translational Science Researcher, Example #1	Introduction (students rotate) Presentations (students rotate) Thank you note (all students) Essay (asynchronous online only)	Jamie Barner, PhD (Lecture)
Class 3 11am-1pm	8/15	Individual Development Plans	Individual Development Plan (all students)	Christopher Frei, PharmD (Conference)
Class 4 11am-1pm	8/29	Career Development for Graduate Students	Introduction (students rotate) Thank you note (all students) Essay (asynchronous online only)	Teresa Evans, PhD (Conference)
Class 5 11am-1pm	9/12	Translational Science Researcher, Example #2	Introduction (students rotate) Presentations (students rotate) Thank you note (all students) Essay (asynchronous online only)	Karen Rascati, PhD (Lecture)
Class 6 11am-1pm	10/10	Translational Science Researcher, Example #3	Introduction (students rotate) Presentations (students rotate) Thank you note (all students) Essay (asynchronous online only)	Paula Shireman, MD (Lecture)
Class 7 11am-1pm	11/14	Graduate School Culture and Differences between a Mentor and a Supervising Professor	Introduction (students rotate) Presentations (students rotate) Thank you note (all students) Essay (asynchronous online only)	David Weiss, PhD (Conference)
Class 8 11am-1pm	12/12	Course Conclusion, Feedback, & Evaluation	Focus group for verbal feedback & course evaluations for written feedback (all students)	Christopher Frei, PharmD (Conference)

* All classes meetings are from 11am-1pm, unless otherwise specified. Students will introduce the speakers. Thank you notes are due 7 days after a guest speaker's seminar. Summaries are due 7 days after the speaker's presentation is posted. All other assignments are due before the next class period, unless otherwise specified.

**TSCI 6101 Topics in Translational Science
Fall 2016**

INDIVIDUAL CLASS INFORMATION

CLASS 1:

Date:	7/7/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Nathan Vanderford, PhD, MBA
Topic:	Overcoming challenges to commercialize research
Learning Objectives:	<ol style="list-style-type: none">1. Appreciate the wide range of translational research and business activities and its connections with health research and care in the nation and world.2. Identify methods to avoid pitfalls when commercializing one's own research.3. Describe best practices when attempting to commercialize technologies developed by research teams.
Assignments:	<ol style="list-style-type: none">1. Introduction (students rotate)2. Thank you note (all students)3. Essay (asynchronous online only)

CLASS 2:

Date:	7/11/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Jamie Barner, PhD
Topic:	Translational Science Researcher, Example #1
Learning Objectives:	<ol style="list-style-type: none">1. Articulate a definition of translational science, as it relates to this researcher.2. Connect with a translational researcher in their own academic community.3. Highlight the translational nature of their own research (selected students).
Assignments:	<ol style="list-style-type: none">1. Introduction (students rotate)2. Presentations (students rotate)3. Thank you note (all students)4. Essay (asynchronous online only)

CLASS 3:

Date:	8/15/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frej, PharmD
Topic:	Individual Development Plans
Learning Objectives:	<ol style="list-style-type: none">1. State the NIH's policy regarding Individual Development Plans.2. List the required components of an Individual Development Plan.3. Access and use an online tool to create an Individual Development Plan.
Assignments:	<ol style="list-style-type: none">1. Individual Development Plan (all students)

CLASS 4:

Date:	8/29/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Teresa Evans, PhD
Topic:	Career Development for Graduate Students
Learning Objectives:	<ol style="list-style-type: none"> 1. Describe three programs available to graduate students through the UTHSCSA's Office of Career Development. 2. Identify one or more programs that might be of help to you personally and/or professionally.
Assignments:	<ol style="list-style-type: none"> 1. Introduction (students rotate) 2. Thank you note (all students) 3. Essay (asynchronous online only)

CLASS 5:

Date:	9/12/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Karen Rascati, PhD
Topic:	Translational Science Researcher, Example #2
Learning Objectives:	<ol style="list-style-type: none"> 1. Articulate a definition of translational science, as it relates to this researcher. 2. Connect with a translational researcher in their own academic community. 3. Highlight the translational nature of their own research (selected students).
Assignments:	<ol style="list-style-type: none"> 1. Introduction (students rotate) 2. Presentations (students rotate) 3. Thank you note (all students) 4. Essay (asynchronous online only)

CLASS 6:

Date:	10/10/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Paula Shireman, MD
Topic:	Translational Science Researcher, Example #3
Learning Objectives:	<ol style="list-style-type: none"> 1. Articulate a definition of translational science, as it relates to this researcher. 2. Connect with a translational researcher in their own academic community. 3. Highlight the translational nature of their own research (selected students).
Assignments:	<ol style="list-style-type: none"> 1. Introduction (students rotate) 2. Presentations (students rotate) 3. Thank you note (all students) 4. Essay (asynchronous online only)

CLASS 7:

Date:	11/14/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	David Weiss, PhD
Topic:	Graduate School Culture and Differences between a Mentor and a Supervising Professor
Learning Objectives:	<ol style="list-style-type: none"> 1. Retell the "boat analogy" in your own words. 2. Compare and contrast a mentor/protégé relationship and a graduate student/supervising professor relationship. 3. Synthesize and begin to execute a plan to get the most from your graduate student training.
Assignments:	<ol style="list-style-type: none"> 1. Introduction (students rotate) 2. Presentations (students rotate) 3. Thank you note (all students) 4. Essay (asynchronous online only)

CLASS 8:

Date:	12/12/16
Room:	McDermott Clinical Sciences Building, Room 2.104
Instructor:	Christopher Frei, PharmD
Topic:	Course Conclusion, Feedback, & Evaluation
Learning Objectives:	<ol style="list-style-type: none">1. Identify what worked well in this course.2. Identify what did not work well in this course.3. Offer suggestions on how to make the course more valuable for future participants.
Assignments:	<ol style="list-style-type: none">1. Focus group for verbal feedback (all students)2. Course evaluations for written feedback (all students)