TSCI-6101
TRANSLATIONAL SCIENCE PHD SEMINAR
Austin & San Antonio
FALL 2023

CLASS DAYS and TIME: Thursdays (9:00am-10:00am) and Fridays (9:00am-11:00am)

CLASSROOM: Online

COURSE DIRECTOR: Grace Lee, PharmD, PhD, BCPS

OFFICE LOCATION & HOURS: McDermott Clinical Sciences Building Rm 3.422, M-F 11am-1pm, by appointment

EMAIL: Leeg3@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) Presentations – Many of the presentations are given 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 will participate synchronously or asynchronously online. Each student will write a thank you note to each guest participant. Notes are due 7 days after class. 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. Lee will post journal articles and other pre-class reading assignments in advance of class meetings.

ATTENDANCE

Participation in scheduled classes is crucial to meeting course objectives. Therefore, regular participation is expected of each student.

- Participation 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: (60% of final course grade)
Thank You Note Assignments: (20% of final course grade)
Speaker Introductions, Student Research Updates, & Other Assignments: (20% of the final course grade)

Class Participation (Grading Policy):
No comments/questions for a given class session = 0%
Quality comments/questions for 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.

Grading System

Final Grade Policy:

The letter grade in this course will be determined based on the following scale:
A = 90-100%
B = 80-89%
C = 70-79%
D = 65-69%
F = Below 65%

It is the prerogative of the course coordinator to evaluate course grades and determine if an upward curve or intermediate grades (i.e., B+) are warranted. Students who do not turn in their Semi-Annual Evaluation, signed by their Supervising Professor, will receive a course grade of "F".

REQUESTS FOR ACCOMODATIONS FOR DISABILITIES

Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities at 512-471-6259 (voice) or 512-232-2937 (video phone) or www.utexas.edu/diversity/ddce/ssd. All University rules concerning accommodations must be followed, including the student arranging for special accommodations prior to each examination. In the absence of such

prearrangement, it will be assumed that the student is not requesting special accommodations for that exam, and will be expected to take the exam with the rest of the class at the regularly scheduled exam time.

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/

The values and ethics of the GSBS and UT Health San Antonio are based upon honesty, integrity, and mutual respect between all students, staff, and faculty. These values and ethics are applied to all endeavors that are related to activities performed by all members of the GSBS community. This includes any assignments, presentations, projects, and/or exams completed in this course. All students commit to not receiving or giving any aid on the completion of their work in this course including the use of Artificial Intelligence text generators such as ChatGPT. If you are unsure how this might pertain to this course, please contact the course director before submission of any assigned work.

Students are expected to work independently on tests, exams, and homework. Any student suspected of dishonesty will be reported to the Dean of the Graduate School and the Dean of their College, as per University regulations, with the recommendation that an "F" be assigned for the course grade. Students are expected to have read and understood the current issue of the General Information Catalog published by the Registrar's Office for information about procedures and about what constitutes scholastic dishonesty. Also, students should refer to the Student Judicial Services website to access the official University policies and procedures on scholastic dishonesty as well as elaboration on what constitutes scholastic dishonesty.

RELIGIOUS HOLIDAYS

If you will miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you must notify the course coordinator during the first week of class so that arrangements for all such students can be made for the full semester.

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/

EMERGENCY PROCEDURES

The following recommendations regarding emergency evacuation from the Office of Campus Safety and Security, 512-471-5767, http://www.utexas.edu/safety/:

- Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside.
- Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.
- Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.
- In the event of an evacuation, follow the instruction of faculty or class instructors.
- Do not re-enter a building unless given instructions by the following: Austin Fire Department, The University of Texas at Austin Police Department, or Fire Prevention Services office.
- If you have concerns about another students behaviors, particularly if you believe they could potentially harm themselves or others, do not hesitate to contact the Behavior Concerns Advice Line (BCAL): 512-232-5050.

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.

CAMPUS CONCEALED CARRY

Students should familiarize themselves with the information provided by the University regarding the implementation of "Campus Carry" legislation. You will find an information sheet specifically for students (as well as sheets for parents, visitors, faculty, and staff) at http://campuscarry.utexas.edu/info-sheets. Information about "Campus Carry" on the UTHSCSA campus can be found at https://www.uthscsa.edu/police/campus-carry/implementation-overview.

CLASS SCHEDULE

CLASS	#	DATE	TOPIC	ACTIVITIES	INSTRUCTOR
CTS Roundtable 9am-10am	1	8/10 (Th)	Process innovation	Presentation; thank you note; essay for asynchronous participants	Frei
Topic Discussion 9am-11am	2	8/25 (F)	Translational Science	Discussion; essay for asynchronous participants	Chun
Topic Discussion 9am-11am	3	9/1 (F)	Responsible Conduct	Discussion; essay for asynchronous participants	Frei
STRECH Seminar 9am-10am	4	9/22 (F)	Example: Translational Research	Presentation; thank you note; essay for asynchronous participants	Lee
Topic Discussion 9am-11am	5	9/29 (F)	Business of Translational Science	Discussion; thank you note; essay for asynchronous participants	Forgione
Topic Discussion 9am-11am	6	10/13 (F)	Dissemination & Implementation	Discussion; essay for asynchronous participants	Stevens
STRECH Seminar 9am-10am	7	10/20 (F)	Example: Translational Research	Presentation; thank you note; essay for asynchronous participants	Lee
Community Health Advisory Board 9am-11am	8	10/27 (F)	TBD	Discussion; essay for asynchronous participants	De La Rosa
CTS Roundtable 9am-10am	9	11/9 (Th)	Systems Thinking-Utah	Presentation; thank you note; essay for asynchronous participants	Frei
STRECH Seminar 9am-10am	10	11/10 (F)	Example: Translational Research	Presentation; thank you note; essay for asynchronous participants	Lee
Topic Discussion 9am-11am	11	11/17 (F)	Diversity, Equity, Accessibility, and Inclusion	Discussion; essay for asynchronous participants	Lipscomb
Spotlight on Research Integrity	*12	Asynchronous recording (by 12/1)	Deciphering and Maximizing Scholarly Metrics	Essay	Frei

* We will only have class on Thursdays (9-10am) for the two CTS Roundtables. Protect all Fridays (9-11am) for the entire semester, but we will only use up to 10 of those Fridays for this course. Some of those Fridays will be used to participate in the STRECH Seminars—Dr. Lee will communicate those dates as they are announced.
* Students will introduce and provide thank you notes to any guest participants. Thank you notes and assignments are due 7 days after the class meeting, unless otherwise specified.

INDIVIDUAL CLASS INFORMATION

CLASS 1:

Date:	8/10/23
Room:	Online
Instructor:	Frei
Topic:	Christopher Frei, PharmD, MS, FCCP, BCPS
Learning Objectives:	Articulate a contemporary definition of process innovation. Provide reasons why these are important considerations in translational science. Explain how you could change your research to better include process innovation.
Activities:	Presentation; thank you note; essay for asynchronous participants

CLASS 2:

Date:	8/25/23
Room:	Online
Instructor:	Yong-Hee Chun, DDS, Dr med dent, MS, PhD
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:	Discussion; essay for asynchronous participants

CLASS 3:

Date:	9/1/23
Room:	Online
Instructor:	Christopher Frei, PharmD, MS, FCCP, BCPS
Topic:	Responsible Conduct
Learning Objectives:	Articulate a contemporary definition of responsible conduct. Provide an example of scientific misconduct. Explain what you could do to ensure responsible conduct with your own research.
Assignments:	Discussion; essay for asynchronous participants

CLASS 4:

Date:	9/15/23
Room:	Online
Instructor:	Grace C. Lee, PharmD, PhD
Topic:	Example: Translational Research
Learning Objectives:	Consider an example of translational research. Explain how you could use elements from this example of translational research.
Assignments:	Presentation; thank you note; essay for asynchronous participants

CLASS 5:

Date:	9/29/23
Room:	Online
Instructor:	Dana Forgione, PhD, CPA, CMA, CFE
Topic:	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 could use business principles to advance your own research.
Assignments:	Discussion; essay for asynchronous participants

CLASS 6:

Date:	10/13/23
Room:	Online
Instructor:	Kathleen Stevens, EdD, FAAN, RN, ANEF
Topic:	Communication: Dissemination & Implementation (D&I)
Learning Objectives:	Describe the role of D&I in Translational Science. Provide an example of how D&I principles are being used in translational science. Explain how you could use D&I principles to advance your own research.
Assignments:	Discussion; essay for asynchronous participants

CLASS 7:

Date:	10/20/23
Room:	Online
Instructor:	Grace C. Lee, PharmD, PhD
Topic:	Example: Translational Research
Learning Objectives:	Consider an example of translational research. Explain how you could use elements from this example of translational research.
Assignments:	Presentation; thank you note; essay for asynchronous participants

CLASS 8:

Date:	10/27/23
Room:	Online
Instructor:	Elizabeth De La Rosa
Topic:	Community Health
Learning Objectives:	Describe role of community health advisory boards. Provide examples of how community health principles/approaches are being used in translational science.
Activities:	Presentation; thank you note; essay for asynchronous participants

CLASS 9:

Date:	11/9/23
Room:	Online
Instructor:	Christopher Frei, PharmD, MS, FCCP, BCPS

Topic:	Systems Thinking
Learning Objectives:	Articulate a contemporary definition of systems thinking. Provide reasons why systems thinking is an important consideration in translational science. Explain how you could use systems thinking principles to advance your own research.
Activities:	Presentation; thank you note; essay for asynchronous participants

CLASS 10:

Date:	11/10/23
Room:	Online
Instructor:	Grace C. Lee, PharmD, PhD
Topic:	Example: Translational Research
Learning Objectives:	Consider an example of translational research. Explain how you could use elements from this example of translational research.
Assignments:	Presentation; thank you note; essay for asynchronous participants

CLASS 11:

Date:	11/17/23
Room:	Online
Instructor:	Justina Amie-Lipscomb, PharmD
Topic:	Diversity, Equity, Accessibility, and Inclusion (DEAI)
Learning Objectives:	Articulate a contemporary definition of DEAI. Provide reasons why DEAI considerations are important in translational science. Explain how you could change your research to better include other groups.
Assignments:	Discussion; thank you note; essay for asynchronous participants

CLASS 12:

Date:	Asynchronous
Room:	Online
Instructor:	Christopher Frei, PharmD, MS, FCCP, BCPS
Topic:	Deciphering and Maximizing Scholarly Metrics
Learning Objectives:	Provide discussion on a topic of responsible conduct of research. Explain what you could do to ensure responsible conduct with your own research.
Assignments:	Discussion; essay for asynchronous participants – Due 12/1