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:

<table>
<thead>
<tr>
<th>Course Semester Credit Hours</th>
<th>Allowable Unexcused Absences</th>
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<tbody>
<tr>
<td>3.0</td>
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<tr>
<td>2.0</td>
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**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.

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.

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 471-6259 (voice) or 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

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.

EMERGENCY PROCEDURES


- 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](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](https://www.uthscsa.edu/police/campus-carry/implementation-overview).
## CLASS SCHEDULE

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DATE</th>
<th>TOPIC</th>
<th>Assignment</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>Class 1</td>
<td>7/9</td>
<td>Translational Science</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 2</td>
<td>7/30</td>
<td>Responsible Conduct</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 3</td>
<td>8/27</td>
<td>Research Design &amp; Analysis</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 4</td>
<td>9/10</td>
<td>Team Science &amp; Leadership</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 5</td>
<td>9/24</td>
<td>Cultural Proficiency</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 6</td>
<td>10/15</td>
<td>Communication</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 7</td>
<td>11/12</td>
<td>The Business of Translational</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<tr>
<td>11am-1pm</td>
<td></td>
<td>Science</td>
<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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<tr>
<td>Class 8</td>
<td>12/10</td>
<td>Evidence-Based Policy &amp; Implementation</td>
<td>Presentations (selected students)</td>
<td>Christopher Frei, PharmD</td>
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<td>11am-1pm</td>
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<td>Discussion (all students)</td>
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<td>Assignment (all students)</td>
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* 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:** 7/9/18
- **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:** 7/30/18
- **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:** 8/27/18
- **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:

<table>
<thead>
<tr>
<th>Date</th>
<th>9/10/18</th>
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</thead>
<tbody>
<tr>
<td>Room</td>
<td>McDermott Clinical Sciences Building, Room 2.104</td>
</tr>
<tr>
<td>Instructor</td>
<td>Christopher Frei, PharmD</td>
</tr>
<tr>
<td>Topic</td>
<td>Team Science &amp; Leadership</td>
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<tr>
<td>Learning Objectives:</td>
<td>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.</td>
</tr>
<tr>
<td>Assignments:</td>
<td>Presentations (selected students)  Discussion (all students)  Assignment (all students)</td>
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### CLASS 5:

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<th>9/24/18</th>
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<tr>
<td>Room</td>
<td>McDermott Clinical Sciences Building, Room 2.104</td>
</tr>
<tr>
<td>Instructor</td>
<td>Christopher Frei, PharmD</td>
</tr>
<tr>
<td>Topic</td>
<td>Cultural Proficiency</td>
</tr>
<tr>
<td>Learning Objectives:</td>
<td>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.</td>
</tr>
<tr>
<td>Assignments:</td>
<td>Presentations (selected students)  Discussion (all students)  Assignment (all students)</td>
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### CLASS 6:

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<th>Date</th>
<th>10/15/18</th>
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<tr>
<td>Room</td>
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</tr>
<tr>
<td>Instructor</td>
<td>Christopher Frei, PharmD</td>
</tr>
<tr>
<td>Topic</td>
<td>Communication</td>
</tr>
<tr>
<td>Learning Objectives:</td>
<td>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.</td>
</tr>
<tr>
<td>Assignments:</td>
<td>Presentations (selected students)  Discussion (all students)  Assignment (all students)</td>
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### CLASS 7:

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<tr>
<td>Instructor:</td>
<td>Christopher Frei, PharmD</td>
</tr>
<tr>
<td>Topic:</td>
<td>The Business of Translational Science</td>
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</table>

**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:

<table>
<thead>
<tr>
<th>Date:</th>
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<tbody>
<tr>
<td>Room:</td>
<td>McDermott Clinical Sciences Building, Room 2.104</td>
</tr>
<tr>
<td>Instructor:</td>
<td>Christopher Frei, PharmD</td>
</tr>
<tr>
<td>Topic:</td>
<td>Evidence-Based Policy &amp; Implementation</td>
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**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)