

CTSC 5010

Clinical Research Protocol Development

Faculty: Andrew Rule, M.D.

Credits: 2

Quarters: Fall & Spring

Prerequisites: CTSC 5300, 5310 and 5600

This course is limited to CTS students (and T32 trainees with faculty approval) only and is required for the CTS Postdoctoral Master's Degree, Certificate, and Predoctoral programs.

Overview

The goal of this course is to systematically teach the process by which one takes a conceptual idea for a clinical research project and converts it into a research proposal or grant application. It is expected that scholars already have begun to formulate their research question and refine their research project. Students will use their own research question to build a proposal for a research project that they intend to conduct in the future. By the end of the course, students will have a proposal for an important, valid, feasible research project that can serve as the foundation for either a Certificate or Master's degree program thesis research project or a grant application.

Objectives

At the conclusion of the course scholars will be able to:

- apply the key elements of clear identification of research questions, articulation of testable hypotheses, and organization of study components to the writing of a clearly written proposal.
- demonstrate the ability to respond to peer reviews of a research proposal.
- recognize and identify differences between gender and sex in clinical research.
- develop a well-written proposal for an original, valid, ethical, feasible clinical research project.

Evaluation

This course will evaluate students on class participation, a research proposal, a written peer review and a peer review response. At the end of the course, students will submit a final research proposal.

Students will be expected to spend approximately four to six hours per week on content from this 2-credit course.

Additional online modules related to this topic are available through the [Continuous Professional Development website](#).