

CLINICAL AND TRANSLATIONAL SCIENCE (CTS)

CTS 5112. Grants Management. 2 Credit Hours.

Prerequisites: Permission of instructor An overview of basic elements of grants management including Budget Preparation and Management, Managing human subjects and animal research, regulatory and intellectual Property Issues, Selecting and Managing Staff, Professional Etiquette, and Assembling a Project Operations Manual. Course content will be delivered online and evaluation will be through online exercises at the end of each module.

Course Type: Independent Study

CTS 5133. Foundations of Translational Research. 3 Credit Hours.

Prerequisites: Permission of the Instructor This course prepares students to understand translational research concepts and identify problems that can be solved by translation from bench to clinic to community and vice versa. Definition and range of translational research areas and identification of problems requiring non-traditional research methods are addressed. Pioneering local translational research is experienced.

Course Type: Lecture

CTS 5143. Foundations of Clinical Research. 3 Credit Hours.

Prerequisites: Permission of Instructor This course will prepare the graduate student to understand and apply principles and methods in clinical research. Topics that will be addressed include qualitative research methods, observational clinical research studies, and clinical trials. Aspects of design, conduct, informatics, analysis, and reporting will be stressed.

Course Type: Lecture

CTS 5221. Practicum Preparation Course. 1 Credit Hour.

Prerequisites: Admission to the Certificate in CTS program. This course prepares students for a research practicum experience. The student develops their professional goals and uses these to develop a practicum proposal. The course includes an overview of responsible conduct of research and ethics in human and animal research, grant writing, manuscript writing, community engagement, and health disparities research. (Fall I)

Course Type: Lecture

CTS 5231. Practicum in Cross-Cultural Research. 1 Credit Hour.

Prerequisites: Consent of Instructor This course will provide the student an opportunity to apply knowledge and skills of clinical research in the context of an ongoing project that involves participants who have cultural backgrounds different from those of the student. Projects will vary depending on the faculty preceptors who teach the practicum each year. Each student will work with a preceptor to develop and carry out his or her own mini-study within the context of the parent project. practicum projects should rely primary on qualitative methods, but may have mixed-methods designs.

Course Type: Practicum

CTS 5950. Clinical Translational Sciences Practicum. 2 Credit Hours.

Prerequisites: Admission to the Certificate CTS program and satisfactory completion of CTS 5221 Practicum Preparation Seminar. This course provides a planned, mentored, and evaluated clinical and/or translational science research practicum experience. The course culminates in the student writing a seed grant proposal or manuscript for submission to a peer-reviewed journal under the direction of a mentoring committee. (Fall, Spring, & Summer I)

Course Type: Practicum

CTS 5980. Research in Clinical Translational Sciences. 1-6 Credit Hours.

Prerequisites: By Instructor Approval Only. May be repeated; maximum credit 6 hours. This course will provide the student with the opportunity to assimilate didactic knowledge and apply it to the development and completion of a master's thesis in Clinical Translational Sciences.

Course Type: Laboratory