MDR - MEDICAL RESEARCH

MDR 7090 Fellowship Writing Cr. 2
Preparation and submission of fellowship applications to national funding agencies such as the NIH. Advanced scientific communication, including bibliographic and online resources, organization of federal funding agencies, composition and function of study sections, NIH grant application process, fellowship writing, Institutional Review Boards (IRBs). Students work with faculty and research mentors to prepare and submit applications. Offered Fall.

MDR 7100 Clinical Research Design Cr. 2
Design and implementation of authorized clinical research projects, with exposure to such topics as drug discovery, study design, obtaining FDA approval, subject recruitment and retention, data management, translational and biotechnological aspects, GCRC, and bioinformatics; preparation for establishment of career in clinical and translational research. Offered Fall, Winter.

MDR 7110 Clinical Field Experience Cr. 2
Complexity of the disease process from initial presentation of patient in a clinic, to understanding the pathophysiological basis of the disease, to diagnosis, treatment, and patient management; application of clinical and laboratory research training and current technology. Topics may include: diabetes, sickle cell anemia, asthma, seizures, hypertension, congestive heart failure, chronic myeloid leukemia, genetics of cancer, stroke, lupus. Offered Fall, Winter.

Repeatable for 2 Credits

MDR 7420 Topics in International Health Medicine Cr. 2
Clinical trainees are exposed to topics in understanding and managing health care and other needs of children involved in international travel, as well as of children adopted locally from other countries. One-hour biweekly lectures by experts in various areas of international health. Offered Biannually.

MDR 7990 Directed Study in Pediatric Global Health Cr. 4
Clinical trainees develop and execute research projects in international settings, using international and culturally sensitive protocols and regulations. Conducting research in clinical areas at partnering sites in India and China. Offered Biannually.

MDR 8999 Master’s Thesis Research and Direction Cr. 1-8
Offered Every Term.

Restriction(s): Enrollment limited to students with a class of Candidate Masters, enrollment is limited to students with a major in Medical Research, enrollment is limited to Graduate level students, enrollment limited to students in a MS in Medical Research degree.