CTSC 5290
GI Population Science

Faculty: Yuri A. Saito Loftus, M.D. & Sunanda V. Kane, M.D.
Credits: 1
Quarter: Fall
Prerequisites: None

Overview
Students will be exposed to clinical epidemiology and methodology as applied to, or specific to, gastrointestinal disease in a series of 12 lectures by experts in the field. Topics will include clinical epidemiology of esophageal reflux and Barrett’s esophagus, inflammatory bowel disease, functional gastrointestinal disorders, pancreatic cancer, celiac disease, and chronic liver disease. Study questionnaire selection and development, health economics/decision analysis, conducting clinical trials, molecular epidemiology, and genetic epidemiology as related to the field of GI will be discussed during interactive sessions with pre-assigned reading.

Objectives
- recognize epidemiology in GI diseases and GI research and explain how they contributes to our clinical understanding of gastrointestinal diseases
- Describe clinical epidemiology principles in GI diseases and GI research
- develop research proposals using research methodologies presented

Evaluation
Attendance and participation are essential to this course. Students will be evaluated based on attendance, ten online quizzes, and two 1-page abstract-formatted research proposals on a provided clinical/research question.

Students will be expected to spend approximately two to four hours of work per week on this 1-credit course.

For specific dates and times this course is provided, please see the quarterly detailed course schedule.