

Cardiology: Clinical Research

ME 150.RS

General Information

COURSE CHAIR: Joseph Ebinger, MD, MS

STUDENT COORDINATOR'S CONTACT INFORMATION:

EMAIL: [Group Cardiology HI Med. Student Electives](#)

STUDENTS/PERIOD: Max: one Min: one

ROTATION TIME SLOTS (only offered in July)

DURATION: Four weeks

Please contact the student coordinator as this elective is offered by arrangement.

Pre-requisite/Requirement: R/STAT coding experience

Description

Students will learn how to work on cardiovascular clinical research projects under the auspices of an MD mentor. The details will depend on the specific project, which will be determined prior to the student's arrival. This will include deadlines to submit a protocol, completing the IRB application and how to obtain final IRB approval.

There will be weekly faculty/medical student research meetings in which the medical students' research will be discussed. At weekly meetings the medical students' progress with their research will be documented. The faculty in charge of research, the fellowship coordinator and the fellowship program director will keep records and monitor students' progress.

No effort will be spared to impart the notion of ethics and constant vigilance in the conduct of research at every venue, from Journal Clubs to case presentations and lectures, until a solid understanding of the established rules is achieved and maintained.

Research mentors will be required to meet regularly with medical students and report to the research committee.

Course Objectives

1. Students will be given the ability to gain exposure to techniques and methodology associated with clinical and basic science research.

2. Participation in investigating scientifically appropriate information and providing a written or oral form to disseminate information.
3. Investigate institution- and population-specific information.
4. Contribute to the prestige and purpose of the Smidt Heart Institute.

Student Experiences

Students will learn the basics of cardiovascular clinical research:

Week 1: Introduction to research, IRB process, protocol writing, project selection, HIPPA consent process

Week 2 : Statistical analysis, data collection

Week 3: Data collection

Week 4: Presentation/progress report

Additional Information

- A Confidentiality Policy Acknowledgement Agreement will be reviewed and signed by medical students.
- Students must meet with the course chair to review area of interest, assignment goals and objectives, and expectations.
- Students must complete and maintain IRB and HIPAA certification prior to starting research. This includes their name(s) added to the IRB protocol with approval from both the IRB and CEO of Nursing.
- No computer access will be granted unless the student is assigned to an IRB project and the request was approved by the director of Educational Programs.