to problems encountered in clinical medicine. Co-requisite: MCR 506 Offered
Fall, 3 credits, Letter graded (A, A-, B+, etc.)

MCR 525: Contemporary Topics in Clinical and Translational Research
This monthly lunchtime seminar is designed to expose clinical and basic science students to contemporary topics in clinical and translational research. Topics include "-omics", Biobanking and Biorepositories, Biomedical Informatics, Imaging and Big Data. Lunch will be provided.
1 credit, S/U grading
May be repeated 3 times FOR credit.

MCR 549: Legal and Regulatory Issues in Clinical Research
This course provides students with computer and data management skills required to complete a research project. Questionnaire development, data processing and analysis, and issues surrounding data security are covered. Students will learn to use Excel, Access and Velos eResearch for data input and management, SPSS for data processing and analysis, and powerpoint and Word for presentations and report generation. Hands-on exercises are used to develop skills.
Offered
Fall, 3 credits, Letter graded (A, A-, B+, etc.)

MCR 566: Clinical Research Methods
This course aims to introduce trainees to the different aspects of clinical trial design, conduct, management and analysis; and to provide trainees with a basic understanding of the key elements of clinical trial design and practice. 2 credits, Fall term, Professor Leslie Hyman, PhD
2 credits, Letter graded (A, A-, B+, etc.)

MCR 576: Research in Population Health and Clinical Outcomes Research
This course provides an overview of research methods as applied to questions raised in the fields of population health and clinical science. It covers the topics of risk adjustment, cost assessment, access to, utilization and quality of care, outcomes and health status measurement, and health system performance.
Offered
Fall, 2-3 credits, Letter graded (A, A-, B+, etc.)

MCR 684: Writing a Research Proposal
This course will help students develop the skills necessary to design a research
proposal including framing the specific aims, evaluation of the literature, description of preliminary data and research methods, proposed biostatistical analysis and power calculations, defining eligibility criteria, and development of a safety plan, issues of recruitment including under-represented ethnic and racial groups.

Offered
Summer, 1 credit, Letter graded (A, A-, B+, etc.)

MCR 692: Research in Progress
This course meets weekly and is attended by all trainees and mentors. Trainees present updates of their research endeavors and receive input from experienced mentors. Trainees are exposed to discussion among mentors on research design and interpretation.

Offered
Fall and Spring, 1 credit, S/U grading

MCR 693: Clinical Research Opportunities at Stony Brook University and Affiliated Institutions
The aims of this series are to familiarize trainees with the range and breadth of multidisciplinary clinical research carried out at Stony Brook and its affiliated institutions, and to provide examples of successful team approaches to study design, data analysis and ethical issues in clinical research. At each semester, a research team will be highlighted that will describe how the team came to be formed followed by a presentation about the research hypothesis, study design, data collection and analysis, and future work to follow.

Offered
Fall, Spring, and Summer, 1 credit, Letter graded (A, A-, B+, etc.)

MCR 694: Seminars in Clinical Research
Offered
Fall and Spring, 1 credit, Letter graded (A, A-, B+, etc.)

MCR 695: Defining and Developing a Career Path in Clinical and Transnational Research
Students will read and discuss chapters from the Howard Hughes Medical Institute "Making the Right Moves" online textbook and develop a career plan. Topics include how to set up your lab, networking, conflicting resolution and managing your staff.

1 credit, S/U grading

MCR 696: Presenting Research Results to Peer Audiences
Students will have reading assignments on designing and giving a great talk as well as how to write a paper suitable for publication in a peer reviewed journal. Students will have an opportunity to practice giving a talk about their research projects. Masters students will present a summary of their thesis project to date. Each student in the Masters in Clinical Research Program will present a final project as part of the Annual Research Symposium help the last day of class.

1 credit, S/U grading

MCR 698: Practicum in Teaching
The course provides hands-on experience in classroom teaching and mentoring students in the conduct of clinical research. Other activities may include preparation and supervision of class projects, exams, homework assignments, creation of voice over PowerPoint lectures, and participation in interactive Blackboard student discussions. A final report that summarizes the activities completed and provides a self-reflection on the experiences gained during the practicum is requires at the conclusion of the course. Participation by advanced graduate student under the supervision of program faculty.

Prerequisite: Permission of the supervising faculty. 3 credits, S/U grading May be repeated 2 times FOR credit.

3 credits, S/U grading
May be repeated for credit.

MCR 699: Masters Thesis
Original investigation in clinical research undertaken with the supervision of the student's Thesis Committee. 1-6 Credits, ABCF Grading

1-6 credits, Letter graded (A, A-, B+, etc.)
May be repeated 4 times FOR credit.