INTERDEPARTMENTAL (INTER-MD)

INTER-MD 1034 Foundations of Medicine (4 Credits)
Typically offered Fall
Foundations of Medicine
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 1035 Organ Systems 1: Cardiology, Pulmonary, and Kidney (4 Credits)
Typically offered Fall and Spring
Organ Systems 1: Cardiology, Pulmonary, and Kidney
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 1036 Organ Systems 2: Gastroenterology, Endocrinology, and Reproductive Medicine (4 Credits)
Typically offered Spring
Organ Systems 2: Gastroenterology, Endocrinology, and Reproductive Medicine
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 1037 Organ Systems 3: Brain and Behavior (4 Credits)
Typically offered Spring
Organ Systems 3: Brain and Behavior
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 1038 Foundational Clinical Skills (4 Credits)
Typically offered Fall and Spring
Foundational Clinical Skills
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 1039 Living Anatomy (4 Credits)
Typically offered Fall
Living Anatomy
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 3002 Autism Spectrum & Related Disorders Selective (4 Credits)
Typically offered Fall and Spring
Autism Spectrum & Related Disorders Selective
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 3003 Transition To Clerkships (2 Credits)
Typically offered Fall
Transition To Clerkships
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 3005 Transition to Residency Program (2 Credits)
Typically offered Spring
Transition to Residency Program
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 4092 Advanced Topics in Bioethics (4 Credits)
Typically offered Spring
Advanced Topics in Bioethics
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4095 Introduction to Clinical Informatics (2 Credits)
Typically offered Fall and Spring
Introduction to Clinical Informatics
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4098 Service Learning Longitudinal (4 Credits)
Typically offered Fall and Spring
Service Learning Longitudinal
Grading: SOM Graded
Repeatable for additional credit: Yes

INTER-MD 4099 Introduction to Telemedicine (2 Credits)
Typically offered Fall and Spring
Introduction to Telemedicine
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4101 Clinical Informatics and Bioinformatics (2 Credits)
Typically offered Fall and Spring
Clinical Informatics and Bioinformatics
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4102 Human Genetics and Genomics (2 Credits)
Typically offered Fall and Spring
Human Genetics and Genomics
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4103 Molecular Diagnostics and Precision Medicine (2 Credits)
Typically offered Fall and Spring
Molecular Diagnostics and Precision Medicine
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4104 Immunology, Host Defense and Emerging Diseases (2 Credits)
Typically offered Fall and Spring
Immunology, Host Defense and Emerging Diseases
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4105 Foundational Clinical Skills Teaching Academy (2 Credits)
Typically offered Fall and Spring
Foundational Clinical Skills Teaching Academy
Grading: SOM Graded
Repeatable for additional credit: Yes

INTER-MD 4106 Pathophysiology Of Organ Systems 2-Weeks (2 Credits)
Typically offered Fall and Spring
Pathophysiology Of Organ Systems 2-Weeks
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 4107 Pathophysiology Of Organ Systems 4-Weeks (4 Credits)
Typically offered Fall and Spring
Pathophysiology Of Organ Systems 4-Weeks
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 6002 Integrative Seminar (1 Credit)
Typically offered every year
Integrative Seminar
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6006 Biomolecular Medicine (3 Credits)
Typically offered every year
Biomolecular Medicine
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 6008 Drug Development in a New Era (3 Credits)
Typically offered every year
Drug Development in a New Era
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6009 Advanced Epidemiology (3 Credits)
Typically offered every year
Advanced Epidemiology
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6011 Independent Research-3 Credits (3 Credits)
Typically offered every year
Independent Research-3 Credits
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6012 Health Services Research (3 Credits)
Typically offered every year
Health Services Research
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6016 Health Services Research-CR (4 Credits)
Typically offered every year
Health Services Research-CR
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6023 Advanced Biostatistics (3 Credits)
Typically offered every year
Advanced Biostatistics
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 6024 Biotechnology Industry, Structure & Strategy (3 Credits)
Typically offered every year
Biotechnology Industry, Structure & Strategy
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6029 Introduction to Clinical Research Methods (3 Credits)
Typically offered every year
Introduction to Clinical Research Methods
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6031 Introduction to Medical Informatics and Computing (3 Credits)
Typically offered every year
Introduction to Medical Informatics and Computing
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6033 Grant Writing (1 Credit)
Typically offered every year
Grant Writing
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6034 Introduction to Dissemination and Implementation Science Research (3 Credits)
Typically offered every year
Introduction to Dissemination and Implementation Science Research
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6036 Writing for Scientific Publication (2 Credits)
Typically offered every year
Writing for Scientific Publication
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6037 Independent Research-5 credit (5 Credits)
Typically offered every year
Independent Research-5 credit
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6038 Healthcare Delivery Science (3 Credits)
Typically offered every year
Healthcare Delivery Science
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6042 Analytic Techniques for Healthcare Delivery Science (3 Credits)
Typically offered every year
Analytic Techniques for Healthcare Delivery Science
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6043 Health Disparities and Health Equity in Community Health (3 Credits)
Typically offered every year
Health Disparities and Health Equity in Community Health
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6046 Qualitative Research Methods for Population Health (2 Credits)
Typically offered every year
Qualitative Research Methods for Population Health
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 6047 A Population Health Equity Approach to Aging and Alzheimer's Disease Disparities, Elective (3 Credits)
Typically offered every year
A Population Health Equity Approach to Aging and Alzheimer's Disease Disparities, Elective
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 21713 Advanced Methods in Observational Data Analysis (Biostatistics III) (3 Credits)
Typically offered every year
This is the third and most advanced installment of the biostatistics courses. The goal of this course is to provide students with knowledge and skills necessary for understanding indications and interpretation of statistical approaches used in comparative effectiveness research. A broad range of topics, more typically taught over several semesters, will be covered in a condensed format focusing on aspects of greatest relevance to clinician-researchers. In addition, students will have opportunities to apply statistical techniques using common software packages including SAS and Stata. This course extends understanding of epidemiologic concepts and methods by providing applied training in the conduct of secondary data analysis studies using either SAS or Stata. Using data from the National Longitudinal Study of Adolescent Health Wave IV (adulthood; 2008), students will identify a research question; define a causal model, specific aims, and hypotheses based on review of extant literature; gain experience in management and conditioning of the data; conduct stratified analyses to assess effect modification and confounding; implement the backwards elimination method of model building using logistic regression to obtain multivariable results; interpret results with respect to the strength and precision of estimates, selection and information bias and confounding, and generalizability.
Grading: SOM Graded
Repeatable for additional credit: No

INTER-MD 21715 Meta-Analyses and Systematic Reviews Course (3 Credits)
Typically offered every year
This course is designed to train students in the conduct of a systematic literature review, considered by many investigators to be the highest level of evidence for answering clinical questions and developing the skills to conduct a review built on the framework of evidence-based practice. This is a graduate#level course designed to highlight rigorous systematic review methods. The course comprises of didactics classroom sessions and lectures on the topic as well as hands on conduct of a systematic review on a topic. Students will be taught how to perform each step in a review and apply it to a topic of their choosing. The students, at the beginning of the class, will be asked to choose one topic of interest or will be provided a topic of interest and will be taken through the process of systematic review of the topic. Lab sessions will focus on practical aspects of meta analysis. For the “lab” sessions, students are required to bring their laptop. Analyses will be performed using RevMan software, which is available as a free download. The final deliverable for the course will be a systematic literature review presentation.
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237184 Programming for Data Analysis (2 Credits)
Typically offered every year
Programming for Data Analysis
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237185 Translating Cancer Discovery Into Clinical Practice (4 Credits)
Typically offered every year
Translating Cancer Discovery Into Clinical Practice
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237186 Machine Learning (3 Credits)
Typically offered every year
Machine Learning
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237187 Principles of Population Health Science (3 Credits)
Typically offered every year
Principles of Population Health Science
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237188 Introduction to Biomedical Entrepreneurship (3 Credits)
Typically offered every year
Introduction to Biomedical Entrepreneurship
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237189 Independent Research (1cr) (1 Credit)
Typically offered every year
Independent Research (1cr)
Grading: SOM Pass/Fail
Repeatable for additional credit: No

INTER-MD 237190 Introduction to Health Informatics (3 Credits)
Typically offered every year
Introduction to Health Informatics
Grading: SOM Pass/Fail
Repeatable for additional credit: No