INTRODUCTION TO EPIDEMIOLOGY

Introduction, overview, definition, outcome measurements Lecture
Introduction for team project: specific aims page Webinar
Causal Inference; measures of association Lecture
Study design - Randomized controlled trials Lecture
Review of EPI 1, 2 and 3 Webinar
Study design - Cohort Studies Lecture
Study design - Case-Control studies Lecture
TEAM PRESENTATIONS: Page 1 of a Research Proposal Webinar
Methods for Controlling Confounding, Matching, Effect Modification Lecture
Review of confounding and bias Webinar

INTRODUCTION TO BIOSTATISTICS

Introduction, measures of location, normal distribution Lecture
Estimation, Central Limit Theorem, Confidence Intervals Lecture
Intro to Stata Webinar
Hypothesis testing, one-sample and two-sample t-tests Lecture
Hypothesis testing, non-parametric one-sample and two-sample t-tests Lecture
Getting Started with Stata Webinar
Analysis of proportions Lecture
Power and Sample Size Lecture
Power and Sample Size Using Stata Webinar
Introduction to Linear Regression Lecture
Multiple Linear Regression Lecture
Introduction to Logistic Regression Lecture

STUDY DESIGN

Clinical Trials 1: Introduction Lecture
Clinical Trials 2: Design and Ethical Considerations Lecture
Special Topics in Clinical Trials Webinar
Clinical Trials 3: Protocol and Endpoints Lecture
Clinical Trials 4: Population, Recruitment and Baseline Assessment Lecture
Real-life issues in running a RCT: Consort Webinar
Clinical Trials 5: Randomization, Stratification and Blinding Lecture
ETHICAL ISSUES IN CLINICAL RESEARCH

Protection of Subjects  
Ethics Case Studies  
Role of the Institutional Review Board  
Ethical Issues in Children  
TEAM PRESENTATIONS: SUPPORT Study Consent Exercise

SCIENTIFIC WRITING

Writing a Successful Grant  
Writing a Manuscript  
Keys to writing Review  
Grant Peer Review Process  
Responding to Reviewers

EVIDENCE-BASED MEDICINE

Dissecting a Manuscript - Cohort Studies  
Introduction to Cost Effective Analysis  
Introduction to Evidence Based Medicine  
Dissecting a Manuscript - Case-Control Studies  
Steps of a Systematic Review  
Introduction to Meta-Analysis  
Dissecting a Manuscript - RCT Studies  
Role of Observational Studies for Cost Effectiveness Research

MANAGEMENT AND LEADERSHIP

Management and Leadership in Academic Medicine  
Developing a Career in Academic Medicine  
Managing a Team and Project  
Mentorship

CURRICULUM REVIEW AND FINAL EXAMINATION

Orientation to Workshop 2  
Final Exam Review

FINAL EXAM