

CTSC 5910

Economic Evaluation in Health Care

Faculty: Bijan Borah, Ph.D.

Credits: 1

Quarter: Fall

Prerequisites: CTSC 5600, CTSC 5610, (CTSC 5010 & CTSC 5930 are recommended) previously or concurrently

Overview

In a world of rising healthcare costs and fixed budgets, economic evaluation plays an increasingly important role in technology assessment and payment decisions. This course will present basic concepts, theory, and methods associated with economic evaluation in health care. Specific topics include: cost-effectiveness analysis, cost-utility analysis, issues related to study design (trial-based, model-based, and observational administrative claims-based economic evaluation), outcomes measurement and analysis (clinical outcomes, costs, health-related quality of life), guidelines and reference standards, and the use of economic data in decision-making. This course will be presented in the form of lectures supported by presentation of case studies demonstrating these methods applied to specific clinical topics. Class discussion/interaction will be encouraged.

Objectives

- To understand the basic terminologies and concepts in health economic evaluation
- To recognize the methods and approaches in health economic evaluation
- To design and develop a protocol for health economic evaluation studies
- To appreciate the limitations, strengths, and areas needed for further research

Evaluation

Course grades will be based on two quizzes, a final exam, and a project. Scholars will have a choice of either completing an economic review paper or providing a detailed study design for a proposed economic evaluation. Both should clearly demonstrate that the scholar is able to perform a complete review of economic literature and is able to summarize and critically appraise the existing literature.

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

For specific dates and times this course is provided, please see the [quarterly detailed course schedule](#).