

COHERE - Centre of Health Economics Research

PhD course: Economic Evaluation in Health Care

Aim and content: The aim of the course is to provide an overview and a basic understanding of economic evaluation in health care, to enable participants to perform economic evaluations themselves, and to critically assess the quality of economic evaluations of health care interventions in the literature. Topics covered: The normative foundation of economic evaluation. Principles of economic evaluation in health care (decision rules in cost-benefit and cost-effectiveness analyses). Measuring and valuing health outcomes. Estimating cost. Discounting. Modelled-based and trial-based economic evaluations. Sensitivity analysis. Use of economic evaluation in decision making. Assessing the quality of economic evaluations.

Participants: Ph.d. students. In case of vacant places also other health researchers. Max. 25 participants.

Prerequisites: Statistical knowledge corresponding to a one or two semester course in basic statistics. Experience in the use of computer spreadsheets and statistical software packages like SAS or STATA.

Course materials: Michael F. Drummond, Mark J. Sculpher, George W. Torrance, Bernie J. O'Brien, Greg L. Stoddart. Methods for the economic evaluation of health care programmes. Third edition. Oxford University Press, 2005.

Journal articles.

Form: 5*5 hour forum lectures and 5*2 hour class exercises.

Evaluation: Compulsory home exercise (preferably based on student's own research, but we can offer a case for those who don't have data).

Language: English.

ECTS-credits: 5

Course director: Associate professor, cand.oecon, Ph.D. Christian Kronborg

Teachers: (to be announced)

Date: August 27-31, 2012

Place: University of Southern Denmark

Total course fee: We expect to run the course without a fee for ph.d. students and 1500 DKK for others. The course fee covers lunch and refreshments. However course materials are not included. Participants are expected to buy the book by Drummond et al.

Course secretary: Anne Dorte Wiberg, email: adviberg@health.sdu.dk

Registration: Please sign up with Anne Dorte Wiberg, adviberg@health.sdu.dk, with information about your name, position, ph.d. project title, disciplinary background, and work place. Registration is accepted on a first come, first served basis. Please register before 1 february 2011.

Detailed program (preliminary):

Each day consists of 7 hours, distributed with 4-5 hour lectures and 2-3 hour exercises. Syllabus for lectures will be basic textbook chapters on the topics introduced, and case studies and articles from research applying the methods introduced. Materials for exercises will be simple textbook exercises to learn the methods, and extended cases from applied research.

Day 1: The normative foundation of economic evaluation. The Pareto principle. Welfarism and Non-Welfarism. Principles of economic evaluation.

Day 2: Measuring and valuing health outcomes.

Day 3: Estimating costs. Discounting.

Day 4: Model-based and trial-based economic evaluation. Sensitivity analysis.

Day 5: Use of economic evaluation in decision making. Assessing the quality of economic evaluations.