



THE UNIVERSITY OF QUEENSLAND

Course title: PUBH7618 Cost-Effectiveness in Health & Medicine

Course coordinator: [Associate Professor Jan Barendregt](#)

Mode: Internal delivery as an intensive workshop, 6-10 July 2009 (winter break).

Course introduction:

This course provides, through practical application, some of the more advanced methodological and practical techniques used in the economic evaluation of health care interventions. The emphasis is on acquiring the quantitative skills for carrying out a modelled health economic evaluation. You must already have basic knowledge of epidemiological and economic methods, as well as Excel skills.

Course aims:

The aim of this course is to provide the student with the theoretical knowledge and practical skills to do cost-effectiveness analysis.

Course content:

This course is delivered as a mixture of lectures and exercises.

Specific topics include:

- Theoretical foundations and usefulness of cost-effectiveness analysis
- Framing, designing and critiquing a cost-effectiveness study
- Identifying and valuing costs and health outcomes
- Modelling of health care interventions
- Reporting results, including sensitivity and uncertainty analysis.

Method of assessment:

Practical exercises (50%) and a take-home exam (50%).

Recommended text:

Drummond MF, Sculpher MJ, Torrance GW, O'Brien BJ, Stoddart GL (2005). *Methods for the Economic Evaluation of Health Care Programmes*. 3rd ed., Oxford University Press, Oxford.

Additional readings will be provided in pdf format.

Resources: Students are expected to bring a laptop computer with MS Windows and Office (Excel) installed. A copy of the Ersatz software will be provided.

Online Blackboard site: This provides an interactive environment for you and teachers. Reliable and regular access to the Internet is required.

Further details are provided in the [Course Profile](#):

http://www.uq.edu.au/study/course.html?course_code=PUBH7618