

**PRINCIPLES OF ECONOMIC EVALUATION AND
IMPACT EVALUATION IN THE HEALTH SECTOR**

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Stellenbosch Institute for Advanced Study

9 – 10.30: ECONOMIC EVALUATION 1 (Katharina Hauck)

- Rationale for Economic Evaluation
- Economic evaluation principles
- Basic types of economic evaluations
- Decision Rules (Incremental Cost-effectiveness Ratios, Monetary and Health Net Benefits)

10.30 – 10.45 COFFEE BREAK

10.45 – 12.15 ECONOMIC EVALUATION 2 (Katharina Hauck)

- Measuring Costs
- Measuring Benefits (Quality adjusted life years, Valuing benefits: preference elicitation techniques)
- Discounting
- The importance of comparators

12.15 - 13.15 LUNCH

13:15 -14:45 IMPACT EVALUATION (Ranjeeta Thomas)

- Evaluation Problem
- Randomized Experiments
- Instrumental variables

15:00 – 15:45 IMPACT EVALUATION (Ranjeeta Thomas)

- Matching estimators
- Longitudinal estimators
- Innovative Health Programs

Guided Exercise: Modelling and Decision Analysis (1 ½ hours)
“Prevention of Mother-to-Child transmission of HIV during birth”

It has become increasingly important to use ‘evidence-based’ criteria to decide what kind of programmes are effective, for whom, in what circumstance and under what cost. The first part of this course will focus on a theoretical and practical understanding of impact evaluation approaches along with careful review of resulting evidence. The second part will look at programme evaluation through cost-effectiveness analyses focussing on measuring and modelling outcomes and costs across interventions.



Katharina Hauck is a Senior Research Fellow at the Centre for Health Policy, Imperial College London. She has broad research interests in the areas of empirical health economics, the quantitative evaluation of health policy, and applied micro-econometrics. Katharina is currently involved in research on the economic aspects of the social determinants of health, patient safety and quality of hospital care, obesity, and economic evaluation of HIV prevention programs.



Ranjeeta Thomas is an economist in the Centre for Health Policy at Imperial College London. Her research interests are in impact evaluations of social programs focussing on inequalities and distributional consequences. At Imperial she is works on the economic evaluation of Population Effects of Antiretroviral Therapy to Reduce HIV Transmission (PopART) in Zambia and South Africa.