



## Health Technology Assessment in Practice

Presented by the School of Health Systems and Public Health, University of Pretoria

### BLENDED LEARNING

Policy and decision makers need to make sound decisions on the organisation of the health service delivery system, types of interventions to be offered and the manner of service delivery needed to achieve the maximum health benefit for the public. The **Health Technology Assessment Practice** short course introduces the medical, social, organisational, ethical and economic implications of development, diffusion and use of health technology. You will learn about this multidisciplinary field of policy analysis which encompasses the assessment of the quality, safety, efficacy, effectiveness and cost-effectiveness of healthcare intervention and technology.

You will explore funding allocated to the services and interventions that are proven to be effective and cost effective, to ensure people centred service delivery. The main objective, thus, is to sensitise decision makers on the scientific approach used in Health Technology Assessment (HTA) in order to access, appraise and apply scientific reports. The programme is delivered as a blended learning solution with online components consisting of pre-reading material, video examples and other elements. The self-directed learning forms an integral part of the preparation for the delegates prior to the contact sessions.

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## Course content

- Essentials and practice of HTA, clinical evidence assessment, technical characteristics and comparators
- Health economic including economic evaluation in healthcare and budget impact assessment
- Context-specific application of HTA, Adapted HTA model (EUnetHTA core model)
- Multiple criteria decision analysis and HTA report
- Critical appraisal of HTA reports and Health Economic Evaluations

Online pre-course work: The online, self-directed learning component consists of reading material, video examples and other elements which must be completed by delegates prior to the contact sessions.

Mentorship assistance will be provided to delegates for report writing for a maximum period of 3 months after completing of the course.

## Learning outcomes

After successfully completing this course, you will be familiar with

- principles and practices of HTA, including the role of HTA in the life-cycle management of health technologies
- clinical evidence assessment, technical characteristics and comparators
- the inclusion of organisational, legal, ethical, social impact of use and diffusion of health intervention and technology
- systematic reviews and meta-analysis
- context-specific application of HTA, EUnetHTA core model – SA adaptation
- health economics, including economic evaluation in healthcare and budget impact assessment, and
- multiple criteria decision analysis and the HTA report.

## Who should enrol?

This course is ideal for you if you are a/an

### Department of Health

- provide participants from the department with a critical understanding of the entire process of health technology assessment, pricing and reimbursement
- provide preliminary skills in applications of HTA in decisions on prioritisation of research, in the appropriate use and disinvestment of technology.
- equip participants with competency in designing essential technology list

### Pharmaceutical Manufacturer

- provide skills in real-world application of HTA in pricing, market access.
- equip participants with skills in preparing dossier for coverage

### Medical device Manufacturer

- provide participants with a critical understanding of HTA and how it influences the degree to which technologies are adopted into the healthcare practice
- equip attendees with professional competency in preparing dossier for coverage and application of HTA in pricing and procurement.

### Hospitals

- provide participants from the hospital sector skills in the principles and techniques for making decisions on (innovative) technologies – procurement, investment, disinvestment
- provide attendees with skills in the techniques of developing an understanding of the linkages between HTA and HT Management decisions.

## Patients/Patient advocates

- provide patients and/or patient advocates with a critical knowledge and insight on the processes, methods and principles of HTA
- provide participants an understanding into the need for patient involvement in HTA .

## Insurance

- provide staff of insurance companies necessary skills and competency in HTA to prepare benefit package
- provide a critical understanding of HTA, pricing and reimbursement

## Course fees

### R9 000.00 per delegate (VAT incl.)

Course fees include all course material, refreshments and other materials.

**Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to [enrolments@enterprises.up.ac.za](mailto:enrolments@enterprises.up.ac.za).**

## Admission requirements

Prospective delegates should have a relevant Bachelor's Degree.

## Accreditation and certification

Enterprises University of Pretoria (Pty) Ltd is wholly owned by the University of Pretoria. As a public higher education institution, the University of Pretoria functions in accordance with the Higher Education Act 101 of 1997. Enterprises University of Pretoria offers short courses on behalf of the University and these short courses are not credit-bearing, and do not lead to formal qualifications on the National Qualifications Framework (NQF) – unless stated otherwise. Delegates who successfully complete a short course and comply with the related assessment criteria (where applicable) are awarded certificates of successful completion and/or attendance by the University of Pretoria.

## Registration and enquiries

### Client Information Centre

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### Course leader

Prof Debashis Basu  
Department of Public Health Medicine  
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### Course presenters

Debjani (Jani) Mueller  
Lecture (Extra-ordinary), University of Pretoria  
Director - *The International Network of Agencies for Health Technology Assessment*

Prof Davide Croce  
Lecture (Extra-ordinary), University of Pretoria  
Università C. Cattaneo-LIUC, Italy

Prof David Tivey  
Research Manager, Royal Australasian College of Surgeons

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## Course presenters



**Prof Davide Croce**

Davide Croce is a professor of health economics and healthcare management at the Università C. Cattaneo-LIUC, Italy. He also serves as the Director of the Research Centre in Health Economics, Social and Health Care Management at the same university. He holds, among others, a post-graduate degree in

Engineering.

He has been involved in research, teaching and development activities in several countries including Uganda, Mozambique, India, South Africa, Cambodia, Vietnam, Swaziland, Liberia and Egypt.

Davide is a member of the Regional Commission for Health Service Development for the Lombardy Regional Ministry of Health, as well as a member of the advisory board of the Academy for Leadership and Management in Health Care for the South African National Department of Health.



**Debjani Mueller**

Jani Mueller currently works as a researcher at the Charlotte Maxeke Research Cluster, HTA-Unit, University of Witwatersrand and CREMS, Università C. Cattaneo-LIUC, Italy. She obtained her Masters in Engineering, from the University of Karlsruhe, Germany.

Her professional experience in health technology assessment includes service and research in HTA, presenting HTA training courses and other capacity building measures in Africa and other developing countries.

She currently serves on the Board of the International Network of Agencies for Health Technology Assessment as Director.

## Course programme

### Day 1

Essentials and practice of HTA

- Introduction to HTA
- Key principles of HTA
- HTA around the world; SA health system
- HTA processes and methods
- Group assignment

### Day 2

HTA and decision analysis

- Multi-criteria decision analysis
- Group assignment

### Day 3

Context-specific application of HTA, Adapted HTA model (EUnetHTA core model)

- HTA Methods: Work on Policy question and study selection. Formulate PICO
- Critical appraisal of HTA reports
- Group assignment

### Day 4

Economic Evaluation in Healthcare

- Introduction to Health Economics
- Group assignment
- Critical appraisal of economic evaluations

### Day 5

Adapted HTA model

- Covering remaining dimensions in HTA – ELSOI (ethical, legal, patient and social, organisational issues)
- Case study
- Group assignment
- Discussion on chosen topic and report writing

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