Registration Fee

_ Course fee academic/public ..... Euro 1,950
Early booking fee before 31 January 2019 Euro 1,550

_ Course fee commercial ..... Euro 3,850
Early booking fee before 31 January 2019 Euro 2,950

_ Discounts

Group Registrations – Save 15%
Register with three or more colleagues and save!

Students/Alumni – Save 20%
If you have previously participated in a Continuing Education Program Course on HTADS, you are eligible for a discount on selected future programs.

Course fees include a comprehensive syllabus, an extensive binder with background material and a course certificate, but not accommodation. Certificates will be provided to all participants. You can earn 3 ECTS credits if you pass the exam at the end of the course. Further ECTS credits can be earned within our Certificate Program in Health Technology Assessment and Decision Science (HTADS).

Registration for this course can be made online or by fax. Payment details, cancellation policy and registration form in PDF format are available on www.umit.at/htads

Quotes from Recent Participants

"Very good overview of different modeling approaches, good number of theory and practical input"

"Huge review of modeling techniques"

"High level"

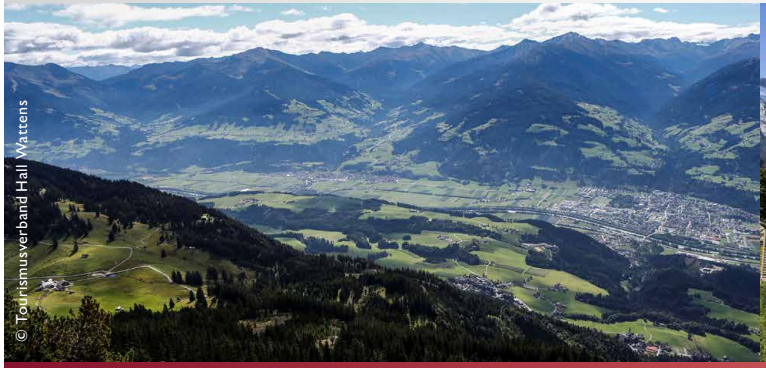
"Very good tutorials"

"Individual assistance during the exercise sessions"

"Very professional"

"High quality of the course"

HTADS Continuing Education Program





10-12 April 2019
Hall in Tirol, Austria

3-DAY CERTIFIED COURSE

Contact & Course Location

Continuing Education Program on HTA & Decision Sciences (HTADS)

Institute of Public Health, Medical Decision Making and HTA

UMIT – University for Health Sciences, Medical Informatics and Technology

Eduard-Wallnöfer-Zentrum 1, 6060 Hall i.T., Austria
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www.umit.at/htads

Modeling Approaches for HTA

A Practical Hands-on Workshop

HTADS CONTINUING EDUCATION health technology assessment and decision science
UMIT

What is the Continuing Education Program on Health Technology Assessment & Decision Sciences (HTADS)?

Prof. Uwe Siebert, MD, MPH, MSc, ScD
HTADS Program Director

Health Technology Assessment (HTA)

has been defined by the International Network of Agencies for HTA (INAHTA) as "a multidisciplinary field of policy analysis studying the medical, economic, social, and ethical implications of development, diffusion and use of health technologies (e.g., drugs, devices, surgical procedures, prevention techniques)". In conducting HTA, the discipline of decision sciences has become increasingly relevant.

Decision Science (DS)

is the application of explicit and quantitative methods to analyze decisions under conditions of uncertainty (e.g., meta-analysis, decision-analytic modeling, cost-effectiveness analysis). In recent years, HTA and DS have become very important to health care policymakers. In order to keep pace with these developments, the UMIT – HTADS Program was designed to provide excellent quality education and comprehensive training in the key issues of HTA and DS for anyone involved in the health sector. The course faculty is drawn from leading international experts from universities, industry, HTA agencies and representatives from other relevant areas who are committed to provide independent teaching of state-of-the-art principles.

Further HTADS Courses

Winter School in Clinical Epidemiology
5-Day Certified Course, 21-25 January 2019

Causal Inference in Observational Studies and Clinical Trials Affected by Treatment Switching
A Practical Hands-on Workshop,
4-Day Certified Course, Spring 2019

Scientific Writing for Life Sciences
3-Day Certified Course, Fall 2019

Introduction to Health Technology Assessment
4-Day Certified Course, April 2020



Course Faculty

Ass.-Prof. Beate Jahn, PhD
Senior Scientist, Institute of Public Health, Medical Decision Making and HTA, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Professor Emeritus, Ron Goeree, MA
Department of Clinical Epidemiology and Biostatistics, McMaster University, Canada
Goeree Consulting Limited, Canada

Prof. Mirjam Kretzschmar, PhD
Chief Science Officer Mathematical Disease Modelling, National Institute of Public Health and the Environment (RIVM), The Netherlands
Professor in Dynamics of Infectious Diseases, Julius Centre for Health Sciences & Primary Care, University Medical Centre Utrecht, The Netherlands

Prof. Uwe Siebert, MD, MPH, MSc, ScD
President of the Society for Medical Decision Making (SMDM), Professor of Public Health (UMIT), Adjunct Professor of Health Policy and Management (Harvard University), Chair, Dept. of Public Health, Health Services Research and Health Technology Assessment, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Target Audience

The 3-Day Certified Course in Modeling Approaches for HTA is created for members of

- Healthcare & health policy organizations, national HTA agencies
- Pharmaceutical & medical device industry
- Academia and research institutions
- Health insurances/sickness funds
- Consultancy organizations

Course Description

There are a number of other modeling courses focusing on either theory or only selected modeling approaches. In contrast, our course combines theoretical concepts with practical hands-on exercises comprising five different modeling techniques applied in Public Health and HTA. We will use four different software packages depending on the modeling area. Real world case examples from different acute and chronic diseases will be discussed.

Day 1

- Modeling overview and taxonomy
- Decision trees, state-transition models (Markov models) and partitioned survival models
- Handling uncertainty and variability

Day 2

- Microsimulation models
- Discrete event simulation models
- Handling individual behavior and waiting lines

Day 3

- Infectious disease models
- Handling dynamic transmissions and herd immunity
- Other modeling approaches (e.g., agent-based models, system dynamics models, causal inference models, biologic systems models)

For this course, basic knowledge of spreadsheet programs (e. g., MS Excel) is recommended. Experience in other software tools used in the workshop (e. g., TreeAge, Arena, Berkeley Madonna) is not required. The course language is English.