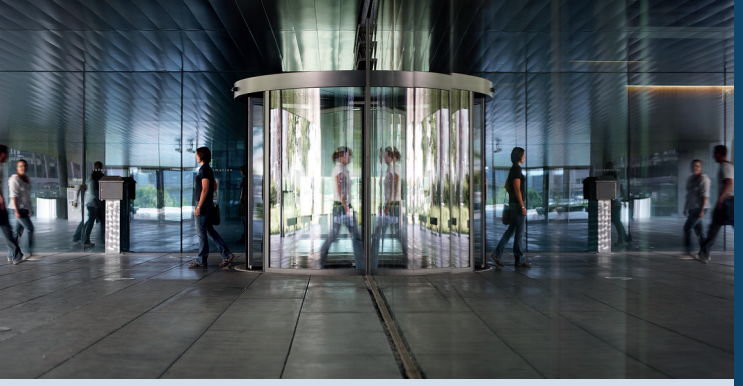


REGISTRATION FEE

Course fee (academic/public sector) **Euro 1,450**
Early bird fee until 17 March 2027 Euro 950

Course fee (commercial sector) **Euro 2,950**
Early bird fee until 17 March 2027 Euro 2,450

Discounts
Group Registrations – Save 15 %
Register with three or more colleagues and enjoy a discount!

Alumni – Save 20 %
UMIT TIROL Alumni, or those who have previously participated in a Continuing Education Program Course on HTADS, are eligible for a discount on their next course.

The Course fee includes course materials and course certificate. Certificates will be provided to all participants.
You can earn 3 ECTS if you successfully complete the exercises, actively participate during the attendance period of the course and pass the exam.

Tiroler Privatuniversität UMIT TIROL
Tiroler Privatuniversität UMIT TIROL
University UMIT TIROL



CONTACT & REGISTRATION

UMIT TIROL – Private University for Health Sciences and Health Technology
Institute of Public Health, Medical Decision Making and Health Technology Assessment

Eduard-Wallnöfer-Zentrum 1
6060 Hall in Tirol, Austria
T: +43 50 8648 3901
E-Mail: htads@umit-tirol.at

Registration for this course can be made online.
Payment details and cancellation policy are available on www.umit-tirol.at/htads

HTADS Newsletter:
www.umit-tirol.at/htads-news

Further information is available at
www.umit-tirol.at/htads

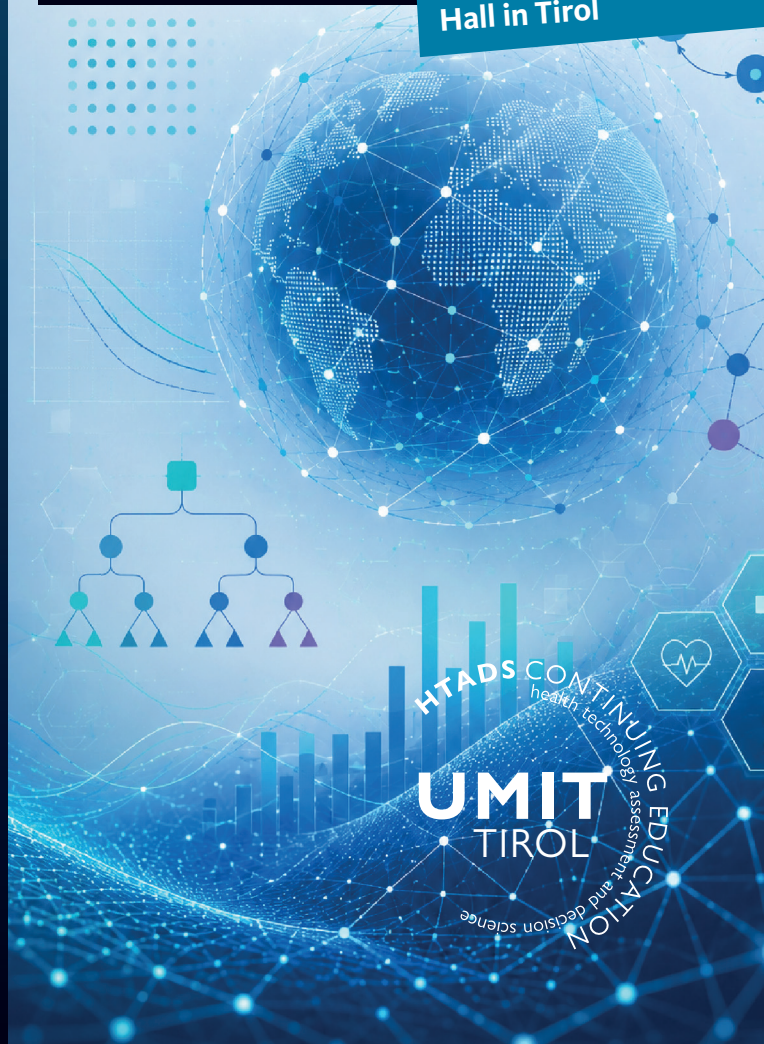
HTADS CONTINUING EDUCATION PROGRAM

Modeling Approaches for HTA

A Practical Hands-on Workshop

3-Day Certified University Course

21 – 23 April 2027
Hall in Tirol









WHAT IS THE HTADS PROGRAM?

Health Technology Assessment (HTA)

has been defined by the International Network of Agencies for HTA (INAHTA) as “a multidisciplinary field of policy analysis that studies the medical, economic, social, and ethical implications of the development, diffusion and use of health technologies (e.g., drugs, devices, surgical procedures, prevention techniques)”. In conducting HTA, the discipline of decision science 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 healthcare policymakers. In order to keep pace with these developments, the UMIT TIROL – HTADS Program was designed to provide high-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 providing independent teaching of state-of-the-art principles.

Target Audience

The 3-day Certified University Course is aimed at professionals from:

- Healthcare & health policy organizations, national HTA agencies
- Pharmaceutical & medical device industry
- Academia and research institutions
- Health insurance companies/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, along with the use of AI in decision-analytic modeling.

Covered topics

- Modeling overview and taxonomy
- Decision trees, state-transition models (Markov models) and partitioned survival models
- Handling uncertainty and variability
- Microsimulation models
- Discrete-event simulation models
- Handling individual behavior and waiting lines
- Agent-based models
- Handling contact and network structure
- Infectious disease models
- Handling dynamic transmissions and herd immunity
- International modeling experts session (interactive panel discussion)

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.

COURSE FACULTY

Faculty members of the Institute of Public Health, Medical Decision Making and Health Technology Assessment, UMIT TIROL:

Assoc.-Prof. Beate Jahn, PhD
Head of Program

Univ.-Prof. Uwe Siebert, M.P.H. postgrad., MSc, ScD
Professor, HTADS Program Director UMIT TIROL

Our external faculty members:

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

Prof. Mirjam Kretzschmar, PhD
Professor in Dynamics of Infectious Diseases, Julius Centre for Health Sciences & Primary Care, University Medical Centre Utrecht, Senior Scientific Advisor at the National Institute of Public Health and the Environment (RIVM), Bilthoven, The Netherlands

FURTHER HTADS COURSES

You can find the complete HTADS program overview on our homepage: www.umit-tirol.at/htads