Registration Fee

▪ Course fee academic/public .... Euro 1,950
  Early booking fee until 7 March 2021   *Euro 1,550*

▪ Course fee commercial .... Euro 3,850
  Early booking fee until 7 March 2021   *Euro 2,850*

▪ Discounts
  Group Registrations – Save 15 %
  Register with three or more colleagues and save!
  Alumni – Save 20 %
  UMIT TIROL Alumni or if you have previously participated in a
  Continuing Education Program Course on HTADS,
  you are eligible for a discount on this course.

Course fees include a comprehensive syllabus, an extensive
binder with background reading material, a course certificate,
snacks and lunch, but not travelling and 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.

**Registration for this course can be made online.
Payment details and cancellation policy are
available on www.umit-tirol.at/htads
In case of international travel restrictions,
the Modeling Approaches for HTA Course 2021
will be organized online.**

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"

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**26 - 28 May 2021
Hall in Tirol, Austria**

3-DAY CERTIFIED UNIVERSITY 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-Wallnoefer-Zentrum 1, 6060 Hall i.T., Austria
Phone: +43 (0)50 8648 3901, Fax +43 (0)50 8648 67 3901
Email: htads@umit.at
www.umit-tirol.at/htads

Modeling Approaches for HTA

A Practical Hands-on Workshop

**New Feature: COVID-19 Modeling –
International Expert Session**

UMITTIROL
DIE TIROLER PRIVATUNIVERSITÄT

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 TIROL – 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

Introduction to Statistics
An Applied Hands-On Workshop with R,
3-Day Certified University Course, 17 – 19 November 2020

Causal Inference for Assessing Effectiveness in Real World Data and Clinical Trials – ONLINE
A Practical Hands-on Workshop,
5-Day Certified University Course, 25 - 29 January 2021

Winter School in Clinical Epidemiology
5-Day Certified University Course, 8 - 12 February 2021

Introduction to Health Technology Assessment
4-Day Certified University Course, TBD 2021

Scientific Reporting and Writing – ONLINE
3-Day Certified University Course, 17 - 19 February 2021

Course Faculty

Ass.-Prof. Beate Jahn, PhD
Assistant Professor, Institute of Public Health, Medical Decision Making and HTA, UMIT TIROL – 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
Professor of Public Health (UMIT TIROL), Adjunct Professor of Health Policy and Management (Harvard University),
Past-President of the Society for Medical Decision Making (SMDM),
Chair, Dept. of Public Health, Health Services Research and HTA,
UMIT TIROL – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

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Target Audience

The 3-Day Certified University 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
- COVID-19 Modeling – international expert session

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.