



INTERNATIONAL
FEDERATION
OF HOSPITAL
ENGINEERING



University Course

Healthcare Management/Technical Management in healthcare facilities



Degree: MSc

an initiative from the ÖVKT





The IFHE-EU start under the patronance of the IFHE and the project management of the ÖVKT with the first European University course at the Danube-University Krems, Austria:

- In autumn 2020
- Teaching language: English
- Duration: 4 semester (9 moduls, each 5 days)
- MSc with 90 ECTS (European Credit Transfer and Accumulation System)
- European standard / international students
- Number of students: minimum 12 - maximum 24
- With changing locations
- In accordance to „The professional profile of an engineering manager in healthcare facilities of the IFHE-EU“

Course Management



TECHNIK IM GESUNDHEITSWESEN

Program organisation: Danube University Krems



Mag. Michael Ogertschnig

Dipl.-Ing. Dr. Diethard Gstir, MSc



Project organisation: Austrian association of Hospital engineers

<https://www.donau-uni.ac.at/de/studium/management-fuer-technik-im-gesundheitswesen.html>

Experience



TECHNIK IM GESUNDHEITSWESEN

We from the

- ÖVKT



- and the

- FKT



have **14 years** of experience with the German course joined by over 100 people from Austria, Germany and China (1) (now are two Modules in Germany, three Modules in Austria)

Conception - WHO



TECHNIK IM GESUNDHEITSWESEN

Danube University Krems
organisation / accreditation

4 modules with
Core management contents

5 European National Federations with
Partner Education Organisations

Organisates 5 modules with
changing locations,
technical contents and
take care for the praxis

Admission requirements...



TECHNIK IM GESUNDHEITSWESEN

- ★ University degree or equivalent qualification
or
 - ★ General higher education entrance qualification
4 years of study-relevant work experience
Admission interview
or
 - ★ 8 years work experience
4 years study-relevant work experience
Admission interview
-

Cooperation Partner

local changing course with technical contents



TECHNIK IM GESUNDHEITSWESEN

◆ Construction Engineering

- Partners



POLITECNICO
DI MILANO

Società Italiana dell'Architettura
e dell'Ingegneria per la Sanità

◆ Building Technology

- Partners (possible NVTG - Netherlands)

◆ Electrical Engineering

- Partners



- Akademie

FACHVEREINIGUNG
KRANKENHAUSTECHNIK
E.V.



◆ Logistics and Ecology

- Partners (possible Zorg.Tech - Belgium)

◆ Medical Technology



TECHNIK IM GESUNDHEITSWESEN

- Academy

Technical module organisation

European standard / worldwide students



TECHNIK IM GESUNDHEITSWESEN

The 5 national
associations
take care for praxis,
support with local
excursions and a
network-evening

IFHE-EU, IFHE and the
national associations
support
with promotion,
networking and
studentship

5 Education Organisations

organise lecturers,
timetable, excursions and
seminarrooms

Only together success is possible

Time table



TECHNIK IM GESUNDHEITSWESEN

Module Core-Curriculum	Krems (Start: Winter Term 2020)
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Module Core-Curriculum	Krems
Module Construction Engineering	Start Specialisation Modules: Winter Term 2021) Italy (September / October 2021)
Module Electrical Engineering	Germany (December 2021)
Module Medical Technology	Austria (February / March 2021)
Module Building Technology	possible NVTG (April / Mai 2021)
Module Logistics & Ecology	possible Zorg.Tech (June / July 2021)
PP and MT - MSc	Krems

Core-Curriculum (modules at the Danube University)

professional competence

- ★ Management and Health Economics
- ★ Strategic Management
- ★ External and internal accounting
- ★ Financial management and controlling
- ★ Operational Excellence in Healthcare
- ★ corporate governance
- ★ Specific topics of specialization

Social Competence

- ★ Social Competencies for Managers
- ★ Leading and Managing People

methodological competence

- ★ Methodical Competences and Scientific Work



Specialisation-Curriculum



TECHNIK IM GESUNDHEITSWESEN

★ **Module: Construction Engineering (Italy)**

Construction law; Company organization and Building design; Building physics; Standards and guidelines; Construction planning in healthcare; Construction project management

★ **Module: Building Technology (possible NVTG - Netherlands)**

Technical management; Water supply; Sewage disposal; Sanitary engineering; Heat supply and energy management

★ **Module: Electrical Engineering (Germany)**

Power supply; Electrical installation; Information and communication technology; Electrical devices; Facilities and electrical systems

★ **Module: Logistics and Ecology (possible Zorg.Tech - Belgium)**

Logistics and transport systems; waste management, ecology and sustainability; Introduction hygiene; Medical and nursing terminology

★ **Module: Medical Technology (Austria)**

Safety technology and medical information technology; imaging procedures and radiation protection; Electro medical technology; Hygiene and laboratory technology

We can develop our profession and associations

Declaration of support



TECHNIK IM GESUNDHEITSWESEN

- ◆ **Strengthen** the international **Network** in technical healthcare and find our followers
 - ◆ Give the participants an idea about **standards** in different countries
 - ◆ Our federations supports
 - advertising at their homepages and congresses
 - Alumnus-meetings (a national association arrange studentship)
 - Award prize money for master theses (IFHE-EU and / or IFHE)
 - Send students to the university course (national association)
 - Gives studentship to students which are association members (national federations, IFHE-EU and IFHE)
 - ◆ We **enhance** the library of the IFHE-EU (english articles)
-

Total cost requirements - estimation



TECHNIK IM GESUNDHEITSWESEN

◆ **Tuition fee MSc (start autumn 2020) € 11.900,-**

◆ Approximate individual cost estimation for the additional costs:

- Flyticket tur/retour + airport transfer € 350,-

- Accommod. incl. breakfast € 100,- x 5 d = € 500,-

Travell. and Accom. costs: € 850,- x 9 Module = € 7.650,-

- To defend the Masterthesis in Krems € 450,-

Sum additional costs cirka € 8.100,-



What we need from you!

- each national association
 - promote the course
 - find one student
 - discuss about studentship

We send a first information folder to you!