



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



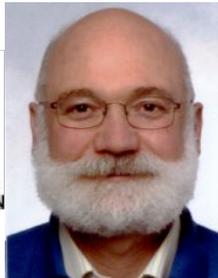
TECHNIK IM GESUNDHEITSWESEN

**Program organisation:** Danube University Krens



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



- 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 ( <b>Start: Winter Term 2020</b> )
Module Core-Curriculum	Krems
Module Core-Curriculum	Krems
Module Core-Curriculum	Krems
Module Construction Engineering	<b>Start Specialisation Modules: Winter Term 2021)</b> 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 GESUNDHEITSWESSEN

◆ **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!**