

## Participating Institutions and Lecturers

EVHN Nürnberg Lutheran University of Applied Sciences  
Prof. Dr. Jürgen Härlein,  
Prof. PD Dr. Arne Manzeschke,  
Kathrin Holthoff (M.Sc.)

OTH Amberg-Weiden Technical University of Applied Sciences  
Prof. Dr. Clemens Bulitta

University of Applied Sciences Kempten  
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## Contact and Information

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Further information:  
[www.summerschool-bavaria.de](http://www.summerschool-bavaria.de)  
[www.study-work-international.de](http://www.study-work-international.de)

## Criteria for Application

- Students from the fields of Nursing & Health and Engineering
- Academic performance
- Ability to communicate in English
- Letter of intent describing the motivation to participate in the Summer School (1 page, English)

## Application Period

15/03 - 15/04/2017

The application form can be found online  
[www.summerschool-bavaria.de](http://www.summerschool-bavaria.de).

In May the organizing committee decides on the final admission.

## Project sponsors

“Study & Work International – From Bavaria into the world” is an initiative of vbw – The Bavarian Industry Association and the Bavarian State Ministry of Education, Science and the Arts.



Bavarian State Ministry of  
Education, Science and the Arts



# STUDY & WORK

INTERNATIONAL

## BAVARIAN SUMMER SCHOOL 2017

The Future of Health Care:  
New Concepts – New Technologies

24/07 – 04/08/2017



## Introduction

In Summer 2017 the Lutheran University of Applied Sciences Nürnberg and the Technical University of Applied Sciences Amberg-Weiden are inviting to the two week interdisciplinary Summer School "The Future of Health Care: New Concepts – New Technologies". In the last decade health care services have been facing multiple and complex challenges with regards to the demands of an ageing society and complex requirements in infection control. There is consensus that innovative technologies and digitalisation are playing a key role in achieving efficient and effective health care delivery on a high-quality level for European citizens. Nurses are the largest professional group within health care. Therefore, collaboration between engineers and nurses as well as between industry and universities are of utmost importance and need to be promoted. The language of the International Summer School will be English enabling 40 students from the fields of nursing and health as well as medical and engineering specialties to exchange on, understand and learn about the following current issues the health care sector is facing:

- Digitalisation
- Infection Control
- Ageing Society

Learning together in an international group fosters the participants' ability to develop ideas for innovative technologies in health care whilst considering socio-cultural, ethical and professional aspects as well as differences in health care systems.

The Bavarian Summer School takes place at Nuremberg and Weiden. Both regions combine a beautiful historical setting in a strong economic region with leading high tech companies and institutions in the health care industry.



## Time & Places

**2 weeks: 24/07 – 04/08/2017**

**24/07 – 30/07/2017**

Lutheran University of Applied Sciences Nuremberg

▶ [www.evhn.de](http://www.evhn.de)

**30/07 – 04/08/2017**

Technical University of Applied Sciences Amberg-Weiden

▶ [www.oth-aw.de](http://www.oth-aw.de)

## Target group

Advanced Bachelor's students in the fields of health care, nursing as well as engineering disciplines like medical engineering, electrical engineering and others.

## Course fee

**600 €**

This includes course fees, application fee, excursions, accommodation and a mandatory health care and liability insurance. An application fee of 100€ is non-refundable. Travel costs, lunches and dinners are not included.

Students of partner institutions of Bavarian Universities of Applied Sciences may apply for scholarships.

## Credits

Certificate of participation with 3 ECTS credits

## Accommodation & Board

The price for lodging and breakfast is included in the course fee. Students stay in a student hostel in Nuremberg and a Bed & Breakfast in Weiden, both with shared rooms.

Lunch can be purchased at very reasonable prices in the student cafeteria or nearby supermarkets, bakeries etc.



## Contents & Methods

Lecturers will give an overview of their current research and development projects:

- Importance of technology for health care delivery in 21st century
- Philosophy of technology and ethical evaluation of sociotechnical arrangements
- Infection control
- Technical innovations with regards to the following topics:
  - Management of delirium in intensive care units
  - Control of nosocomial infections and patient room design
  - Dwelling forms and living arrangements for care dependent elderly people
  - Ambient assisted living and smart home technology

In follow-on seminars these four topics will be discussed. The students' interprofessional skills will be fostered through interdisciplinary group work on four case studies. Each group will have to seek for an innovative solution within one of the above mentioned clinical fields. The results of the group discussions will be presented in a final competition of ideas to which representatives of the Bavarian health care sector and industry will be invited.

Visits to cooperating health care institutions as well as to industry partners will illustrate best practice.

## Supporting Programme

- Guided excursions to companies and clinics
- Visit to the Siemens Healthineers Medical Museum in Erlangen
- Walking tour of Nuremberg and Weiden
- Student Barbecue
- Official closing ceremony with all participating institutions, clinic and company representatives.