



BERLIN SCHOOL OF PUBLIC HEALTH

Intensive Short Course Applied Digital Health

19 - 23 August 2019 | 9am - 5pm

Lecturers

Berlin Institute of Health
BIH-Core-Unit eHealth und Interoperabilität (CEI)
Dr. Dipl.-Vw. Josef Schepers

Charité – Universitätsmedizin Berlin
Anesthesiology and Intensive Care Medicine
Dr. Akira-Sebastian Poncette
Dr. Niklas Keller
Dr. Björn Weiß

Einstein Center Digital Future (ECDF)
Prof. Dr. Dr. Felix Balzer

Charité – Universitätsmedizin Berlin
Experimental Surgery Berlin
Prof. Dr. Igor M. Sauer

Hasso-Plattner-Institute
Digital Health – Connected Healthcare
Prof. Dr. Bert Arnrich

HL7 Deutschland
Dr. Kai Heitmann

Technische Universität Berlin
Department of Psychology and Ergonomics
Prof. Dr. Markus Feufel

The intensive short courses at BSPH are organized by the Institute of Public Health.

Institute of Public Health

Prof. Dr. Dr. Tobias Kurth, MD ScD, Director

Venue

Charité – Universitätsmedizin Berlin
Campus Charité Mitte
Seminarroom 03.006
Virchowweg 24

Course Information

Course language: English
ECTS points: 3
Course fees: 510€ for students
750€ for other participants

Registration Information

Tanja Te Gude
Tel. +49 30 450 570 812
tanja.te-gude@charite.de

<https://iph.charite.de/en>
<https://bsph.charite.de>



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Alice Salomon Hochschule Berlin
University of Applied Sciences





Course Description

The aim of the intensive short course Applied Digital Health is to enable graduates to assess and apply digital health solutions that are becoming increasingly important in our quickly growing digitalized healthcare system. Challenges in healthcare, such as staff shortages and an increasing number of people in need of medical attention can be mitigated with the implementation of these solutions. Thus, research, development, and implementation of digital applications in healthcare has never been more pressing.

The course Applied Digital Health highlights practical applications of digital health and human-computer interfaces in healthcare. Students will learn to assess interoperability standards between medical devices and electronic health records, to use self-generated health data for medical diagnostics or treatment (connected health), and to estimate the usefulness of digital technologies such as robotic surgery, augmented reality, or telemedicine for routine clinical practice.

Audience

The course is suited for clinicians, researchers, public health professionals, and engineers who are interested in pursuing careers with applications in medical informatics and/or digital health.

Course Pre-requisites

Basic analytic background (statistics, epidemiology), basic computing skills.

Program

19 – 23 August 2019 | 9am – 5pm

Monday, August 19

am Connected Health (Part 1)
pm Connected Health (Part 2)

Tuesday, August 20

am Data management and registries
pm Telemedicine/Remote Patient Monitoring

Wednesday, August 21

am Interoperability and standards (Part 1)
pm Interoperability and standards (Part 2)

Thursday, August 22

am Digital Surgery – Extended Reality (XR) and Robotics in Visceral Surgery (Part 1)
pm Digital Surgery – Extended Reality (XR) and Robotics in Visceral Surgery (Part 2)

Friday, August 23 (ends 13:00)

am Data Science in Clinical Decision Making