

**Course Title: Introduction to IT Systems in Digital Health****Coordinating Unit:** Faculty of Digital Engineering - Internet Technologies and Systems**Semester:** 1 (2018/2019) **Credits:** 6**Lecturers:** Meinel, Kayem et al.**Course Description:**

This is a bridging module aimed specifically at students with a background in health sciences/life sciences. The goal is to provide platform to enable students learn about the use of Information Technology (IT) systems in the healthcare environment. The module covers topics such as the use of digital patient data, secure messaging, e-health, computerized clinical decision-making tools, and the impact of IT systems on effective patient care. In addition, the students will learn about the impact of integrating IT systems in healthcare from the human resource, economics and government policy perspective. After completing this module, you should be able to think critically about IT Systems in the digital health context.

**Learning Objectives:**

- Understand the IT systems concepts, definitions, and terms in digital health
- Learn to critically analyze IT systems use in healthcare
- Learn to identify the advantages and challenges of IT systems in healthcare
- Ability to critique the integration of IT Systems into clinical work practices
- Be able to reflect on the suitability and sustainability of digital tools, applications, and information sites to improve health education

**Applicable Module: Bridge Module 'Principles of IT Systems'**