eHealth Course - Day 1

1 Introduction to eHealth

- What are the fundamentals of eHealth?
- What is the context of eHealth-systems?
- How does eHealth influence the delivery of healthcare?

2 Electronic Health Records / Personal Health Records

- What are the foundations of Electronic Health Records (EHR)?
- What is a Personal Health Record (PHR)?
- How can EHRs applied for secondary usage?

3 eHealth for Quality of Healthcare

- How does eHealth improve structure, process, and outcome of quality?
- How can decision support systems improve quality of healthcare?
- What are the limitations of decision support systems?

eHealth Course - Day 2

4 eHealth for Health and Wellbeing

- Why do we need eHealth-applications to improve Health- and Wellbeing?
- How can conditions effectively be prevented with eHealth interventions?
- How can eHealth improve mental-, social-, and physical wellbeing?

5 mHealth/mobile technology

- What are the essential ingredients of mHealth-applications?
- How does mHealth relate to eHealth?
- What are the main challenges to effectively implement eHealth?

6 eHealth in health care education

- Which learning theories are important for eLearning in healthcare education?
- What are the technical challenges of eLearning in health care education
- How can we assess eLearning-projects?

eHealth Course - Day 3

7 Big data in healthcare

- What are the data sources and what is the health context?
- How can we process big data and analyze it?
- How can we visualize big health data?

8 Privacy, Policy, and Security in eHealth

- Why do we need to keep health data confidential?
- How can we technically and organisationally protect health data?
- How do we enforce security in eHealth?

9 IT-Governance in eHealth

- Why do we need IT-Governance in health organizations?
- How do we assess the IT-maturity of a health organization?
- How do we decide between different vendors of eHealth-products?

10 Future of eHealth

- How can we link up medical research and clinical care with eHealth?
- How can we personalize eHealth services?
- How can eLearning improve healthcare education and reduce costs?
- How can big data shape the future of eHealth?