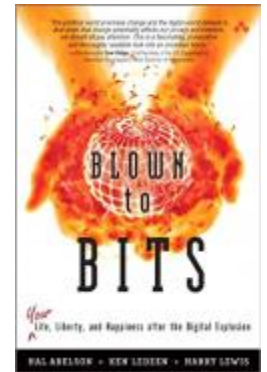# Introduction to IT Systems

Masters: Briding Module, Winter 2018

This is a bridging module aimed specifically at students with a background in health professions/life sciences. The goal is to provide a 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.
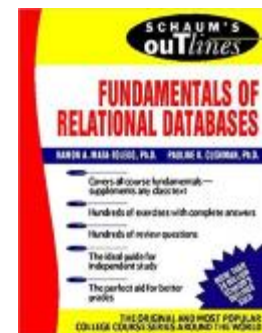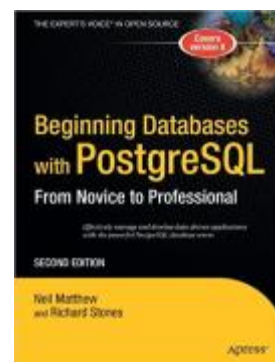
Topics:

- Basic principles of computing
- Principles of Networks and Distributed Systems
- Cloud Computing and the WWW
- Principles of Databases
- Software Design Considerations
- Internet Security
- Topics on Digital Health Systems

Talk: January 14 at 15.15
Speaker: Dr. Julia von Thienen
Theme: Psychology, Design, and Digital Health

General Information

Lectures: Mondays (15.15-16.45) and Thursdays (13.30 -15.00)

Lecturers

Dr. Anne Kayem	**Prof. Dr. Felix Naumann**	**Prof. Dr. Christoph Meinel**
Anne.kayem@hpi.de	felix.naumann@hpi.de	christoph.meinel@hpi.de
H-E.25	E2-02.4	H-1.05

Information Systems | Prof. Dr. Felix Naumann
Internet-Technologien und -Systeme | Prof. Dr. Christoph Meinel