HTWG Hochschule Konstanz
University of Applied Sciences

Course number: AIN 18150
Ubiquitous Computing
Study Level: Bachelor /
Undergraduate

Prof. Dr. Ralf Seepold
Language of Instruction: English
ECTS Credits: 6

Objectives:

This course will introduce into topics of distributed interactive systems, which will react and interact depending on their current environment. It offers a fundamental vision of Ubiquitous Computing.

Contents:

- Applications and requirements
- Services ans service-oriented architectures
- Device Networks and infrastructure
- Smart mobility
- Human-Computer interaction
- Tagging, sensor networks
- Embeddded control systems
- Context-aware systems
- Ubiquitous communication
- Mobile computing

Assessment:

Assessment of this course will be based on (i) laboratory exercises, (ii) a short paper and poster, and (iii) an oral presentation.