

6000S Master Seminar: Innovative Industrial Software

Winter Semester 2019/20

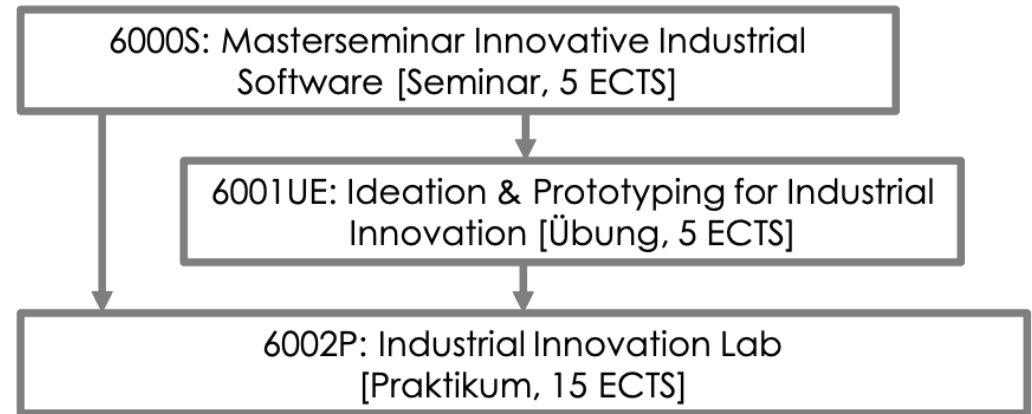
Prof. Dr. Matthias Kranz, Dr. Gerold Hölzl, Günther Nagy

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All administrative questions are solely to be directed to Prof. Dr. Matthias Kranz.

TAKTICS – Innovation Lab

Innovative Industrial Software Seminar Work



Ideation and Prototyping for Industrial Innovation

Hands-On Training for Industrial Mobile and Embedded System

Industrial Innovation Lab

Practical Project

Administrative Information | Formal Aspects

Course	Innovative Industrial Software
Category	Master Seminar
Tutorial time	Tuesdays, 14:00 – 16:00 o'clock (ITZ) R 003 (Elektroniklabor) Start: 15.10.2019
Efforts	5 ECTS - 150 hours of work load (see module description in the official module catalogue for detailed explanation of the workload)
Materials	Stud.IP (selected materials only)
Accountability	Master “Computer Science” Master ”Mobile and Embedded Systems”, focus area HCI

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Plagiarism

You entitle us to upload and store all your submissions for local and cloud-based plagiarism check.

Attendance

Mandatory Presence at the start and the end of the semester

Free time division with regular meetings with the coach during the semester

Goals

- Research of a **defined topic** by a student
- Preparation of **Basics, Summary and Presentation of the Topic**
- Preparation of a presentation (PowerPoint!) and a scientific paper (Latex!)
- Application of scientific work techniques by elaborating the example topic
- Extension/Training of (field specific) **Soft Skills**
 - Presentation Techniques
 - „Writing“
 - Scientific Research
- Topic assignments provided in StudIP

Goals

- Achievements to be performed:
 - Paper presentation of selected scientific work (ca. 5-10 Minutes) for overview of the topic
 - Written Paper
 - Presentation slides and oral talk in the seminar
- Grading:
 - Grading of the **written paper** (8-10 pages, Latex)
 - Grading of the **Presentation** (20 Minutes Talk, PowerPoint)
 - There is a summarized **grade** for both deliverables.

Innovative Industrial Software: High Level Topic

Design Thinking

