The AMOS Project Course Introduction

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AMOS A01

To introduce students to agile methods by creating useful software.

[1]   Professional = ambition + collaboration with external partner
[2]   Agile methods = our focus here, specifically Scrum + XP
[3]   We teach both overall processes as well as best practices
[4]   Useful software is software that has value to someone!

- Learning objectives (lectures / tutorials, projects)

  - Gain conceptual understanding and practical skills of using
    - agile software development methods
    - software project management tools
    - software development tools

  - Learn how to work
    - with an external stakeholder
    - in a (student) project team

- Project objectives

  - Develop useful software
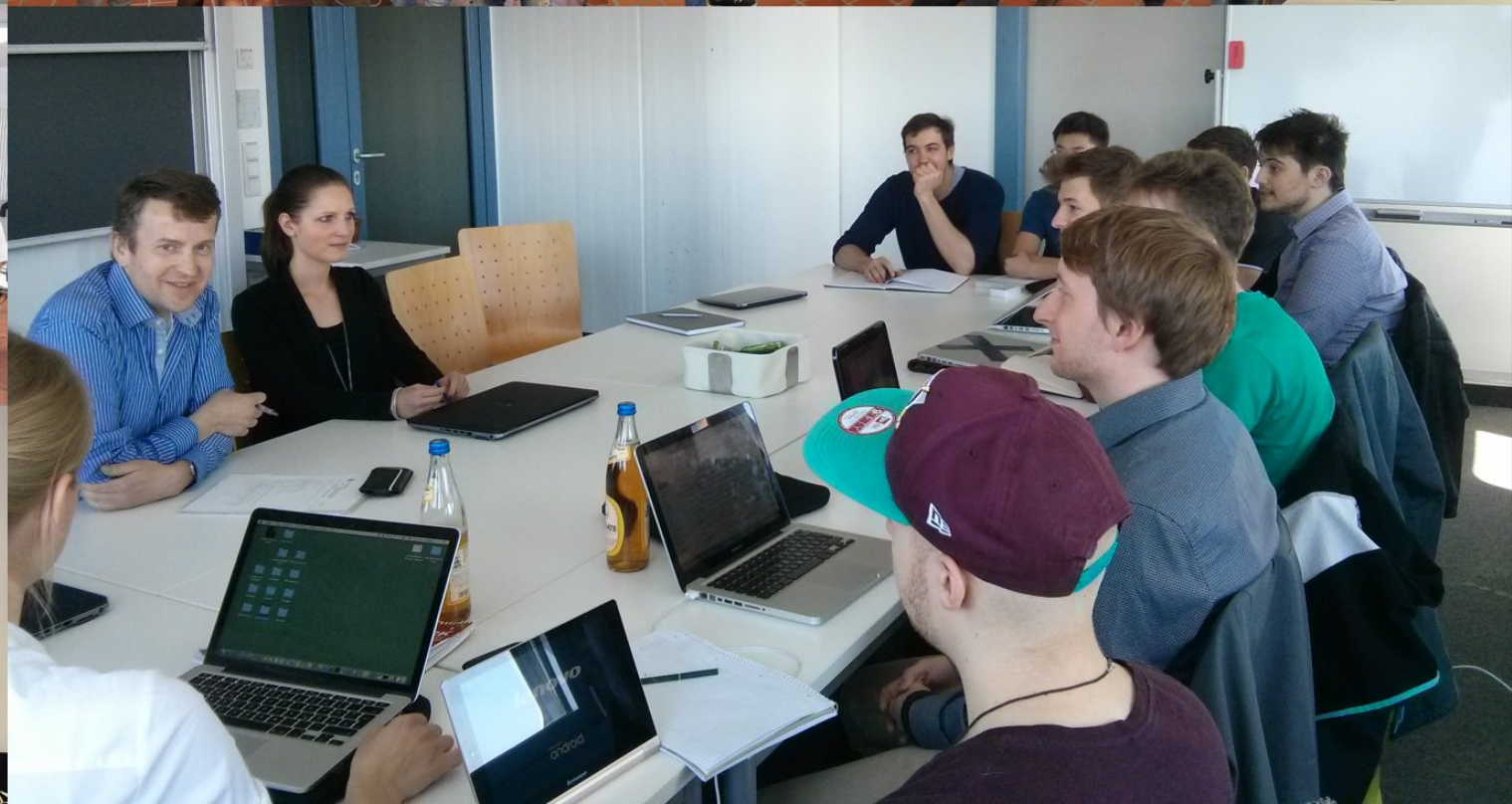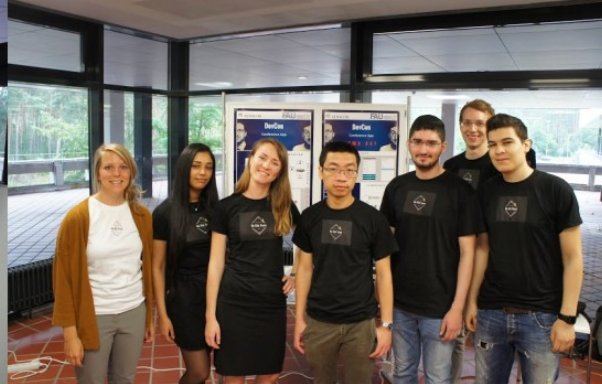
  - Perform a great demo on demo-day!
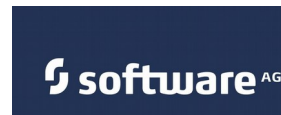
Skills Required for Course

- General skills

  - Willingness and ability to work in a team
  - Ability to acquire skills during the project

- Role-specific skills

  - Product owner (PO) role
    - Strong conceptual thinking
    - Ability to communicate well
    - Affinity to technology

  - Software developer (SD) role
    - Technology stack (specific to project)
    - Development tools like git and GitHub
    - Test-driven development

  - Scrum master (SM) role
    - Strong organizational skills

Course Position in Curriculum
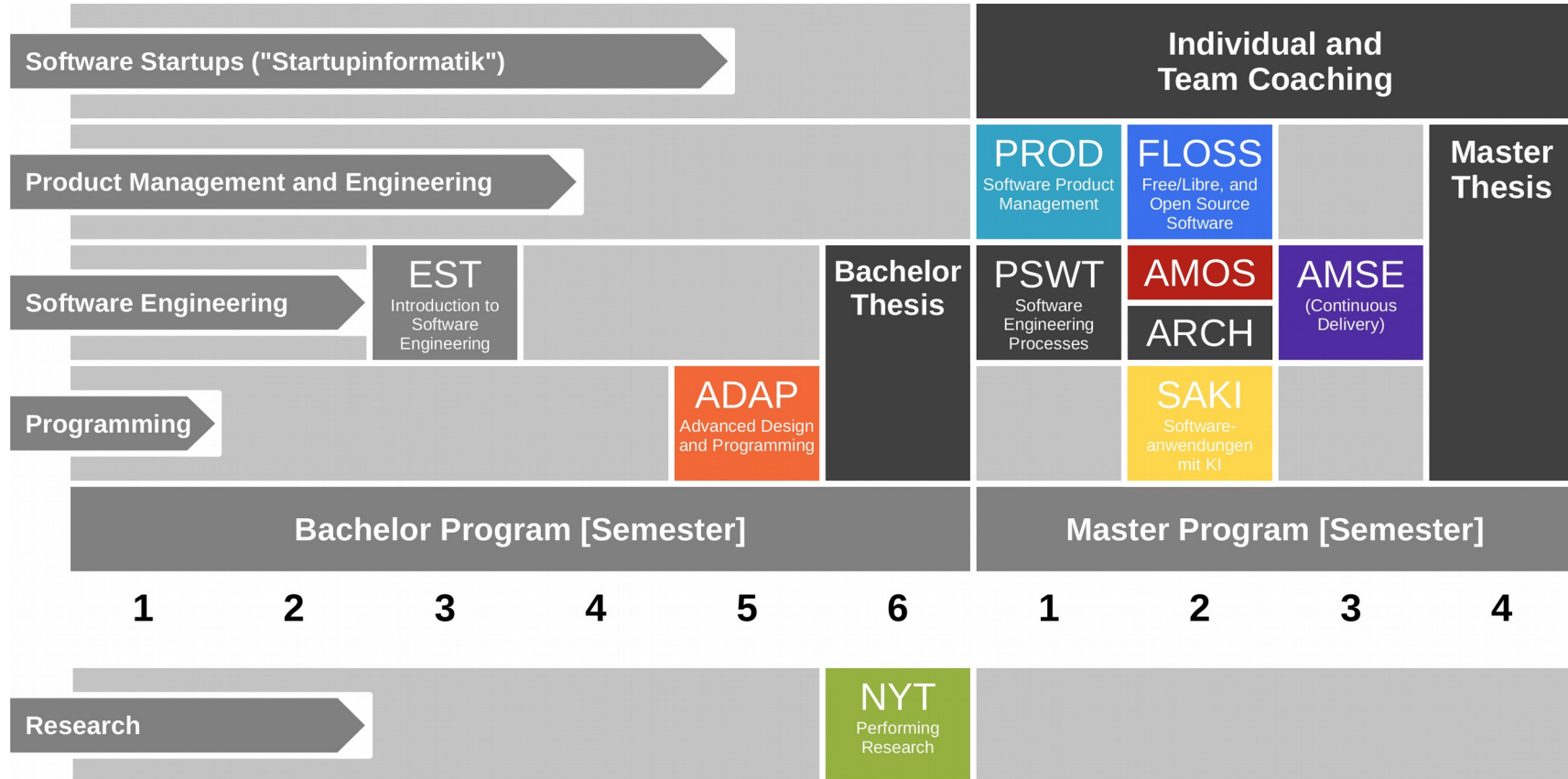
Startupinformatik
Dein Weg zur Startup im Masterstudium, seit 2010!

Semester

Team	1	2	3	4	
Business (Finanzen, Vertrieb)	**OSS-PROD** Softwareproduktmanagement		**OSS-PROD-PROJECT**	**Masterarbeit** Business-Plan	
Design (Designer-Entwickler)	**OSS-ADAP and/or OSS-PROD**	**OSS-AMOS** Teambildung Produktexploration Erster Prototyp	**OSS-AMSE** Produktentwicklung	**Masterarbeit** Produktentwicklung	**Gründung**
Coding (Entwickler)	**OSS-ADAP** Fortgeschrittene Programmierung		**OSS-AMSE** Produktentwicklung	**Masterarbeit** Produktentwicklung	

Antrag Softwarecampus — Antrag EXIST Gründerstipendium — Softwarecampus 100.000 € — EXIST Gründerstipendium 100.000 €

http://startupinformatik.de

Courses and Modules

Modules		Courses (Lehrveranstaltungen)		
		OSS-AMOS-VL	OSS-AMOS-UE	Total ECTS
	OSS-AMOS-PO	x	x	5
	OSS-AMOS-SD	x	x	10

VUE = Lecture + exercise (Vorlesung + Übung), PROJ = Project

Course Grading [1]

- Contribution to teamwork = 50%

  - As measured in team meetings
  - Grading scale is [0|1|2|3]

- Independent work = 50%

  - As measured by artifacts provided
  - Grading scale is [0|1|2|3]

[1]   Also see http://osr.cs.fau.de/teaching/course-resources/grading-schemes-and-scales/

Receiving a Grade for the Course

- If you want to receive a grade

  - You must register through the course management system before the deadline

- If you cannot register through the course management system

  - Please follow these instructions https://wp.me/PDU66-2bx

- Otherwise: No grade

[1]   You still have to register for the course

Course Language [1]

- Class
  - Lecturer: English
  - Student: Choice of German or English

- Project and exercises
  - Team: Choice of German or English
  - Submissions: Choice of industry partner

[1]   http://osr.cs.fau.de/2012/03/10/english-or-german-deutsch-oder-englisch/

Course Communication

- Announcements by email through course management system

- Questions and answers using course communication forum

- If you must send email, use the teaching team alias from Course index
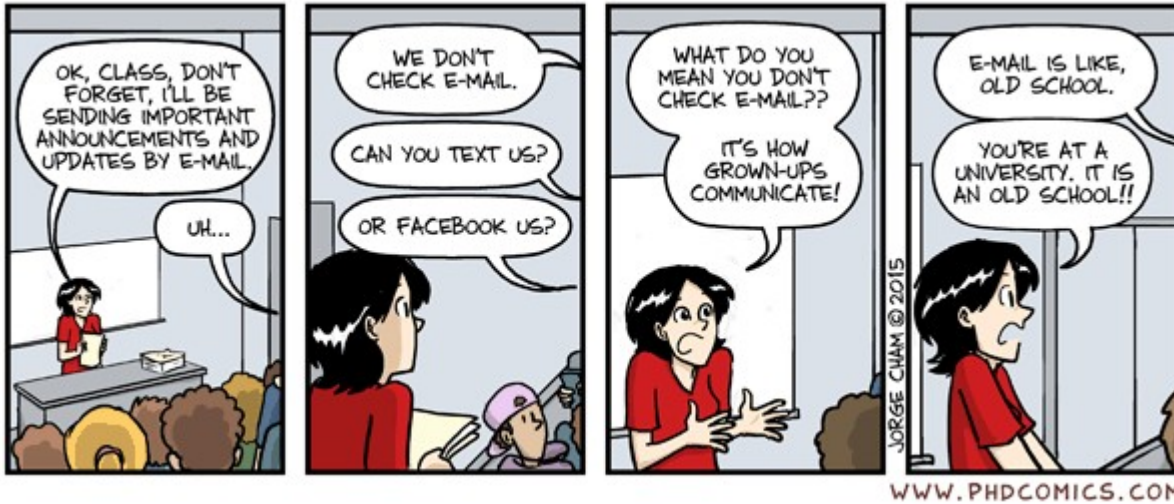
- Course index

    - See link in course management system

Thank you! Questions?

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DR

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- Contributions
    - ...