

The AMOS Project Course Introduction

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AMOS A01

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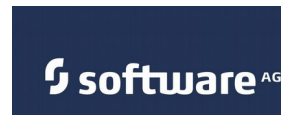
To introduce students to agile methods by creating useful software.

- [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!

Course Learning Goals 2 / 2

- 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!

Industry Partners and Teaching Projects

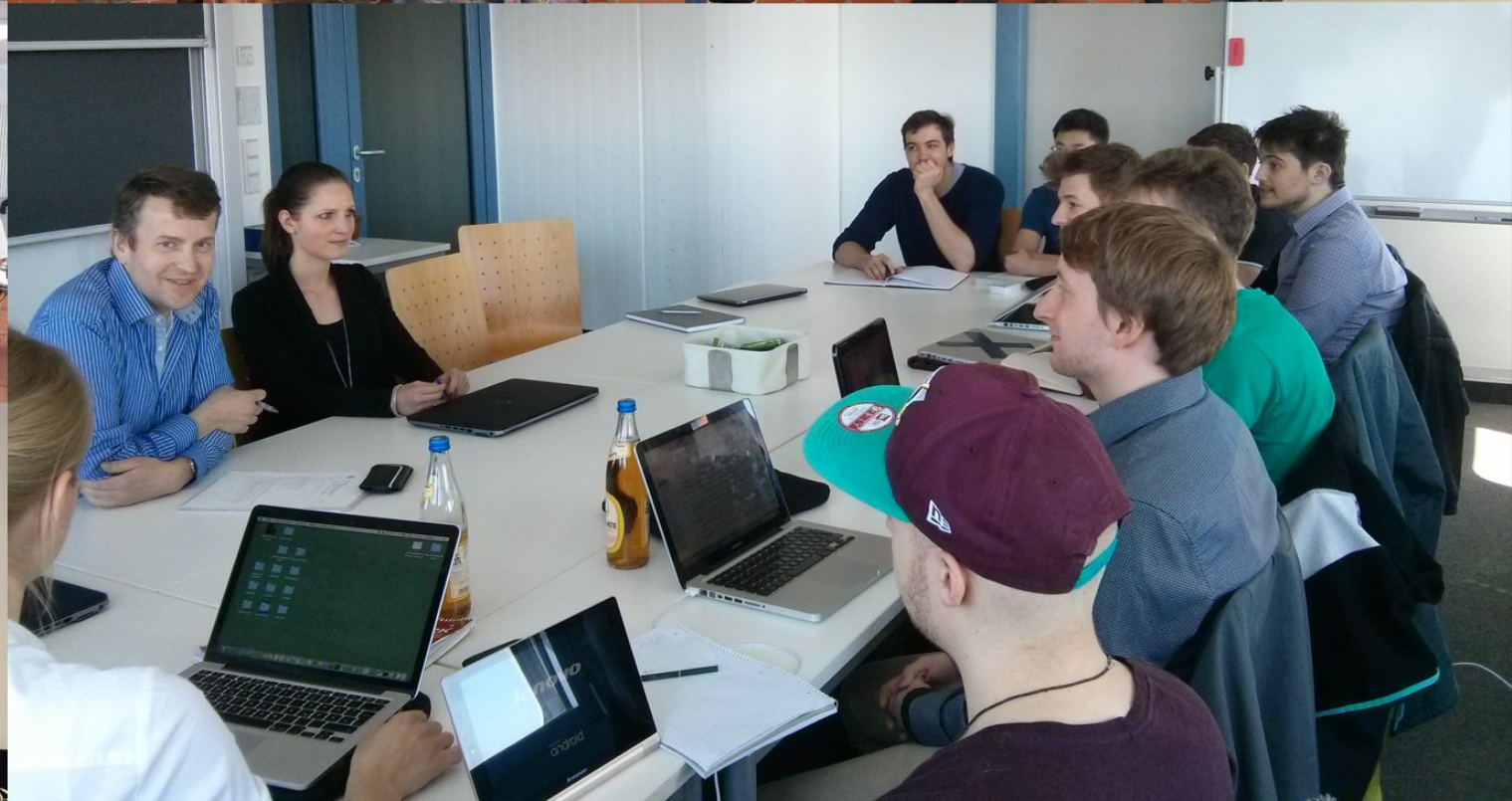
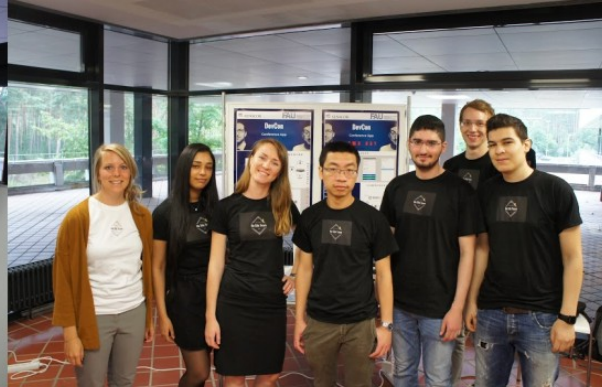


Volkswagen

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The AMOS Project

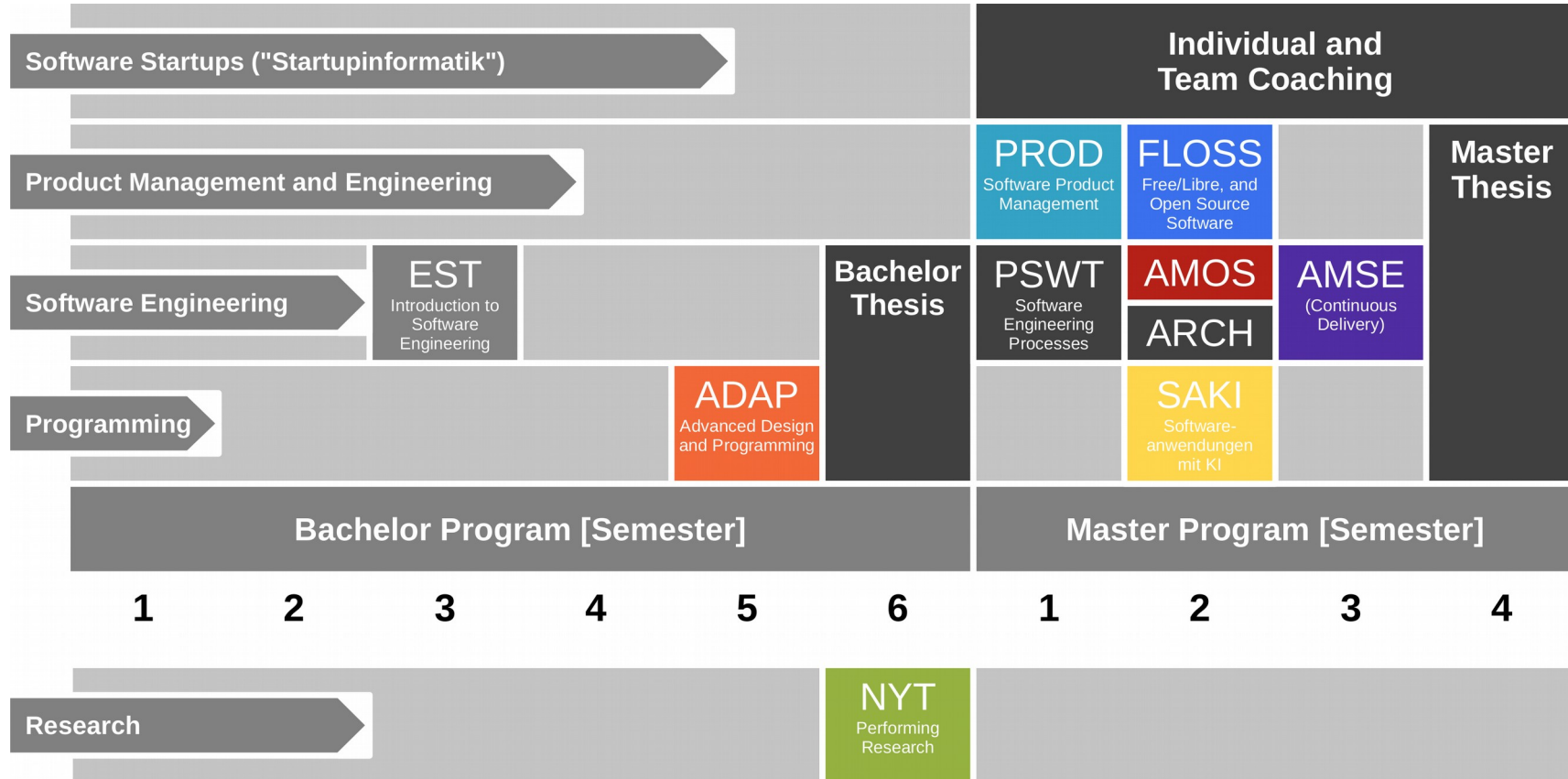
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Skills Required for Course

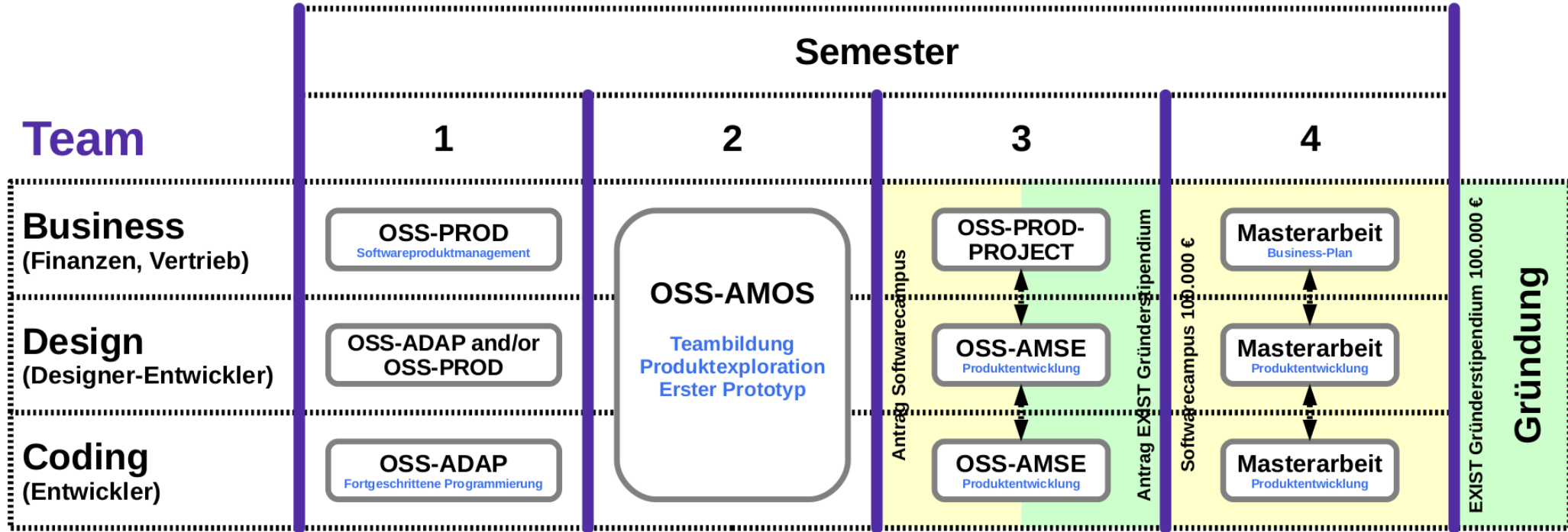
- General skills
 - Willingness and ability to work in a team
 - Ability to acquire skills during the project
- Role-specific skills
 - Product owner (PO) role
 - Strong conceptual thinking
 - Ability to communicate well
 - Affinity to technology
 - Software developer (SD) role
 - Technology stack (specific 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!



<http://startupinformatik.de>

Gewinner 1ter Preis 2015
Programm zur Startup-
Förderung an Hochschulen



Courses and Modules

		Courses (Lehrveranstaltungen)		
		OSS-AMOS-VL	OSS-AMOS-UE (Team Meetings)	Total ECTS
Modules	OSS-AMOS-PO	x	x	5
	OSS-AMOS-SD	x	x	10
	OSS-AMOS (Generie)	x	x	9

Course Grading [1]

- **OSS-AMOS-PO (Product Owner)**

- Theory (lectures) = 20% of grade
 - 2 SWS in 5 ECTS = 20%
 - As measured by class quizzes
 - Grading scale is [0..10] points
- Practice (project) = 80% of grade
 - Individual 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]

- **OSS-AMOS-SD (Software Developer)**

- Theory (lectures) = 10% of grade
 - 2 SWS in 10 ECTS = 10%
 - As measured by class quizzes
 - Grading scale is [0..10] points
- Practice (project) = 90% of grade
 - Individual 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/>

Course Grading for OSS-AMOS (Generic Variant)

- ~~Individual 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]~~

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

No Oral or Written Exam [1]



[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 Information

- Course index
 - See link in course management system

Thank you! Questions?

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