

Course Introduction

Prof. Dr. Dirk Riehle

Friedrich-Alexander University Erlangen-Nürnberg

AMSE A01

Advanced Methods of Software Engineering

- Advanced methods du jour, this semester
 - Test-driven development
 - Lean software development
 - Continuous integration / delivery
 - (Micro)service architectures

Course Learning Goals

- Learn and apply
 - Advanced methods of agile software engineering
 - In a real project setting with a strong development lead

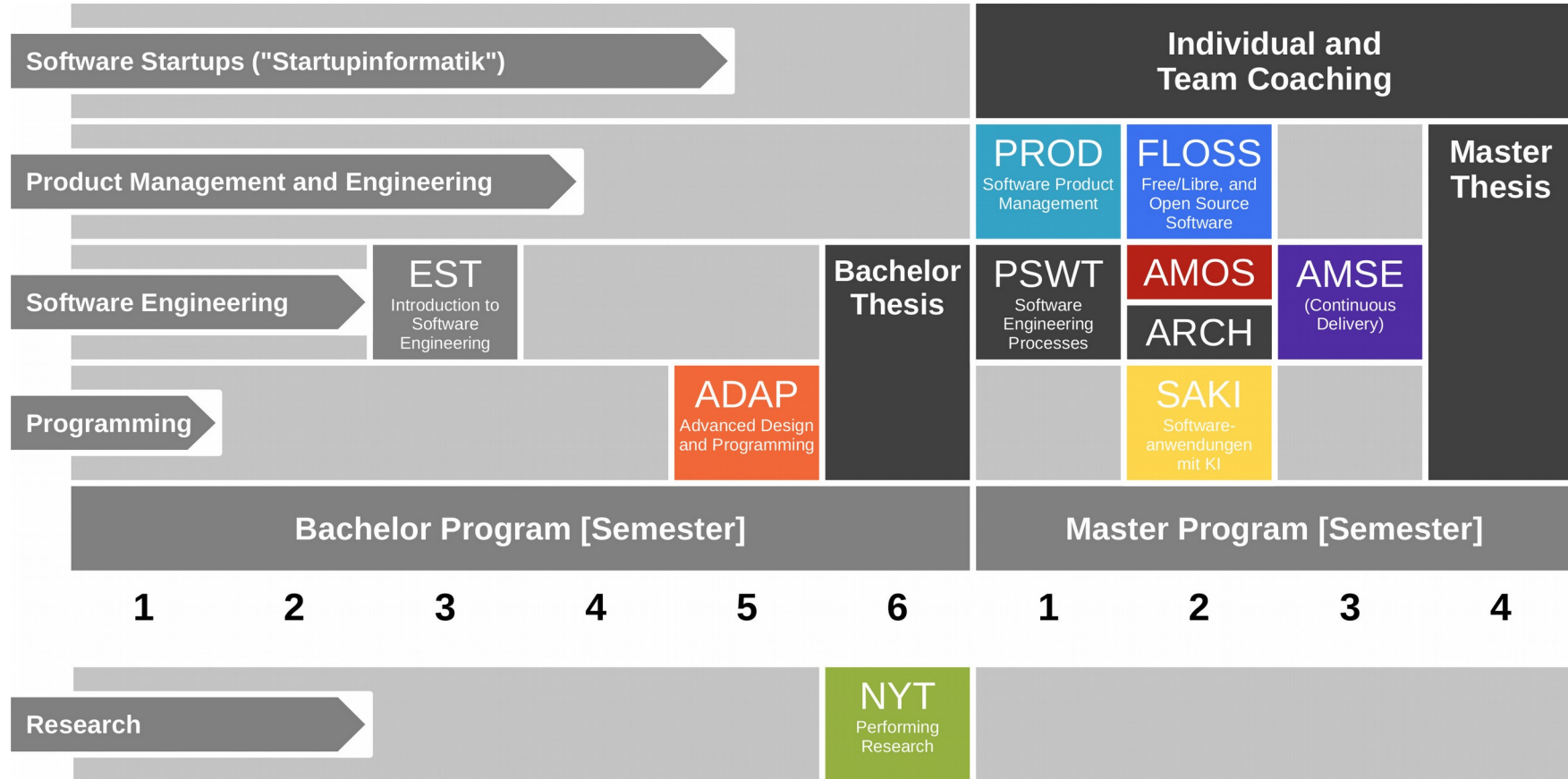
Teaching Approach

- One single semester-long project
- Weekly team meetings and homework
- Coaching by strong development lead

Skills Required for Course

- Strong programming skills
- Strong problem solving skills
- Ability to learn by yourself

Course Position in Curriculum



Courses and Modules

		Courses (Lehrveranstaltungen)		
		OSS-AMSE- VUE		Total ECTS
Modules	OSS-AMSE	x5		

Course Grading [1]

- Discrete weekly grading using [0|1|2|3] scheme
 - 0 = no work
 - 1 = minimal work
 - 2 = expected work
 - 3 = exceptional work
- Moderated by final presentation and documentation

[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
- 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
 - Joint choice of German or English
- Homework
 - Source code: English
 - Submissions: Choice of German or English

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

Course Communication

- Announcements by email (through StudOn)
- Questions and answers using FSI Forum for course
- If you must send email, use the teaching team alias from course index



Project Contributor Agreement

- For contributions to our projects, we require a rights grant
 - We use the Sun Contributor Agreement
 - Available here: <http://osr.cs.fau.de/teaching/contributor-agreement/>

Course Information

- Course Index
 - <https://goo.gl/OBUIHA>

Thank you! Questions?

dirk.riehle@fau.de – <http://osr.cs.fau.de>

dirk@riehle.org – <http://dirkriehle.com> – [@dirkriehle](#)

Credits and License

- Original version
 - © 2015-2019 Dirk Riehle, all rights reserved
- Contributions
 - ...

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AMSE A01

It is Friedrich-Alexander University Erlangen-Nürnberg – FAU, in short.
Corporate identity wants us to say “Friedrich-Alexander University”.

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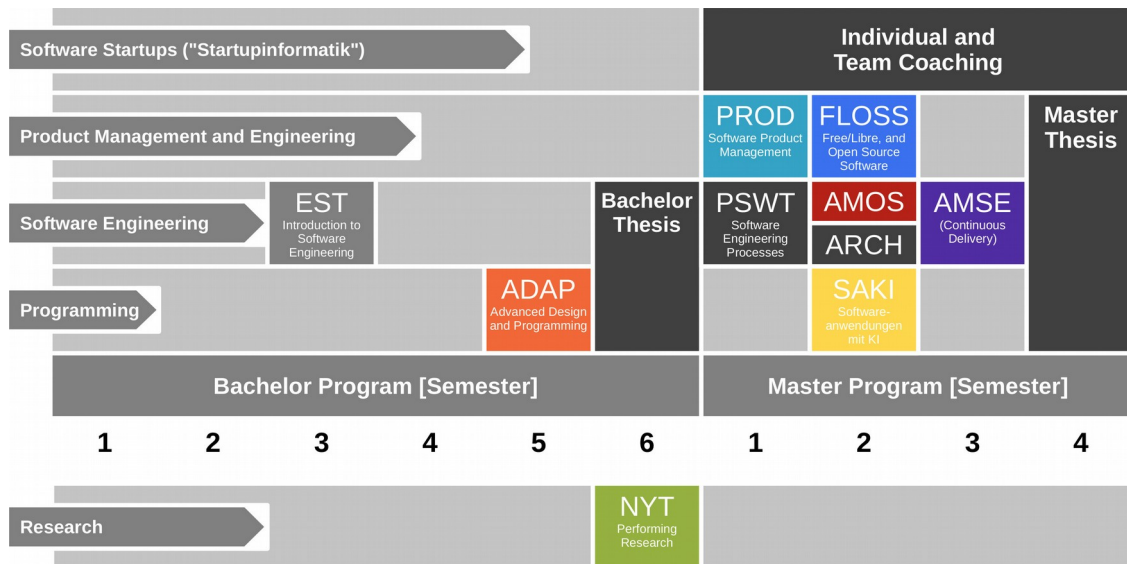
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