

# Course Introduction

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**AMSE A01**

# Advanced Methods of Software Engineering

- Advanced methods du jour, at present
  - Test-driven development
  - Lean software development
  - Continuous integration / delivery

# Course Learning Goals

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

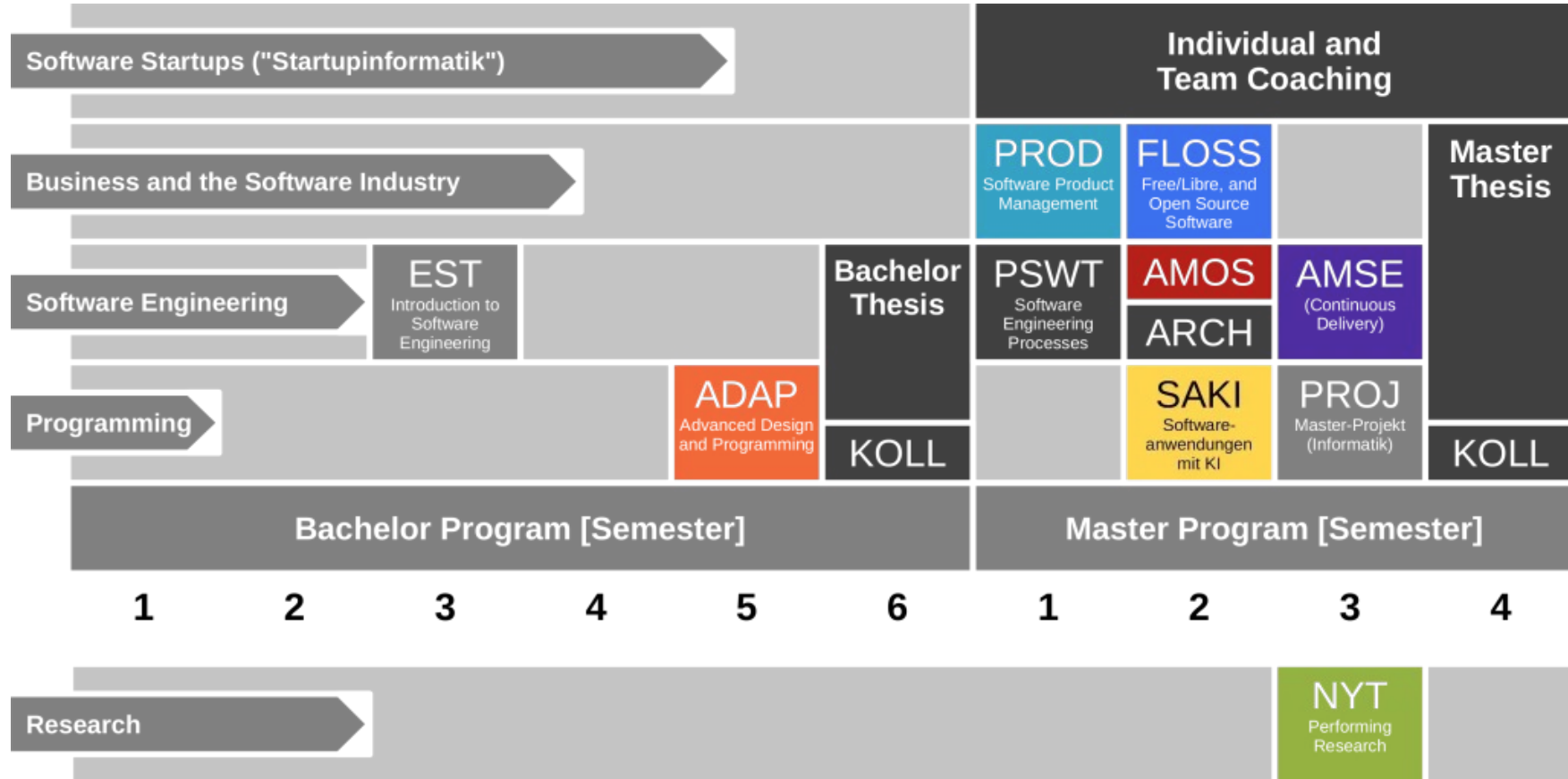
# Teaching Approach

- 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]

- Weekly grading using [0|1|2|3] scheme (90%)
  - 0 = no work
  - 1 = minimal work
  - 2 = expected work
  - 3 = exceptional work
- Final presentation and documentation (10%)

[1] Also see <http://oss.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://oss.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://oss.cs.fau.de/teaching/contributor-agreement/>

# Course Information

- Course index
  - <https://oss.cs.fau.de/oss-amse-course>

# Thank you! Questions?

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# Credits and License

- Original version
  - © 2015-2020 Dirk Riehle, all rights reserved
- Contributions
  - ...