Introduction to ADAP
(Advanced Design and Programming)

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ADAP A01

Course Learning Goals

- Understand and apply advanced design and programming concepts
- Understand and work with a simple but realistic web application
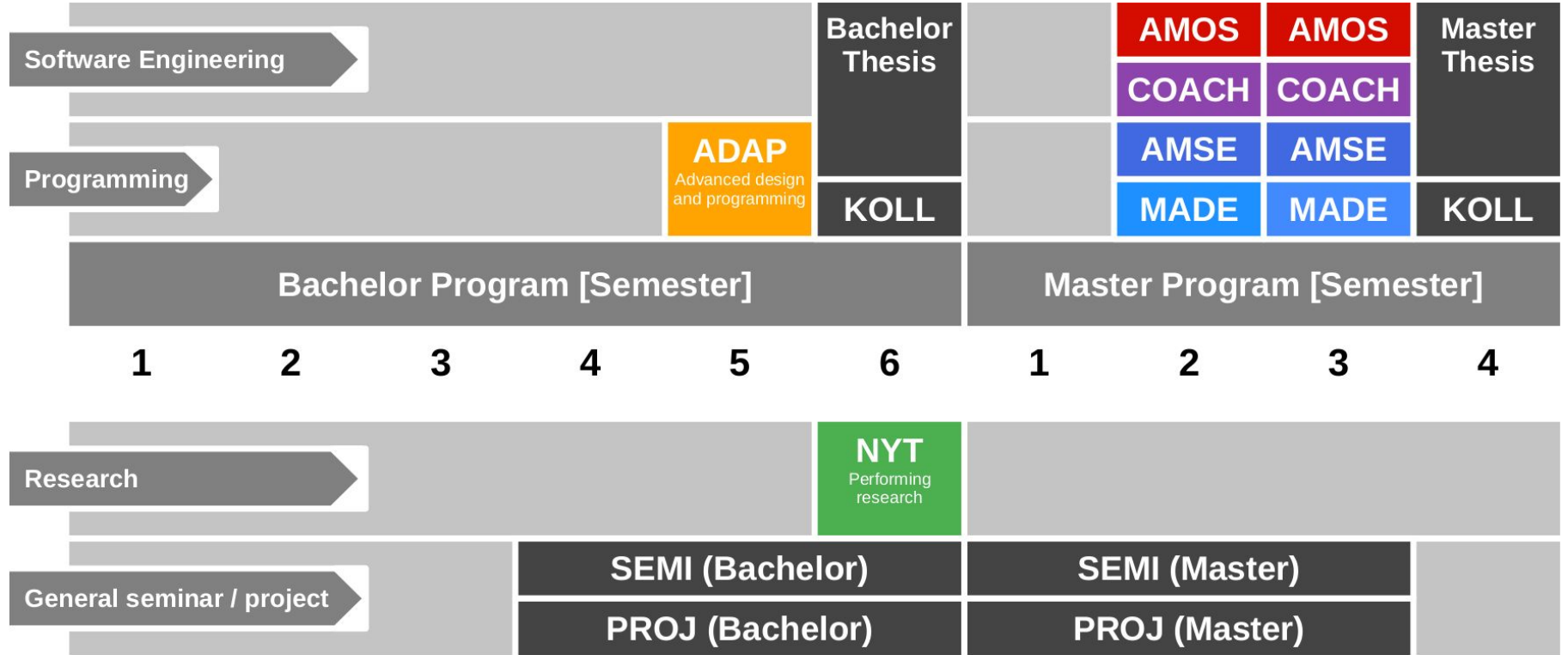
Skills Required for Course

General requirements

- Familiarity with (or willingness to learn) Typescript and an IDE

For an intermediate period

- Tolerance for working with a living example

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Course Position in Curriculum

Courses and Modules

Module = OSS-ADAP

- Lehrveranstaltung = OSS-ADAP-VUE [1] with 4 SWS, 5 ECTS
  - Lecture part = 2 SWS
  - Exercise (homework discussion) part = 2 SWS

In the computer science degree program

- As a VL + UE (Bachelor, Master) in den Säulen
  - Theorie
  - Software

- As seminar (Bachelor, Master)

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[1] VUE = Lecture + exercise (Vorlesung + Übung)

ADAP-VUE Grading [1]

Semester contributions = 50% of total grade

- Lecture content (2 SWS) = 30 / 150 = 20% (of semester contributions)
  - Graded using [0..10] each class session using class quizzes

- Homework = 120 / 150 = 80% (of semester contributions)
  - Graded using [0..10] using tool and grading rubric

Oral exam = 50% of total grade

- If both you and we agree on not having an oral exam, it can be dropped
  - If you insist on an oral exam, please tell us within two weeks after the last session

[1] See https://oss.cs.fau.de/teaching/course-resources/grading-schemes-and-scales/

https://profriehle.com

Class Quizzes

Each class session starts with a class quiz

- A quiz will test your understanding of last session's topic
- A quiz typically has 5 questions and will last 10 minutes
- The overall quiz is graded using [0..10] scheme (10 points in total)

A class quiz will open precisely when class starts

- The quiz is administered automatically
- It is your job to have reliable Internet access etc.
- There is no way to make up for a missed quiz

Please sign up on https://myc.uni1.de for the quizzes [1]

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[1] GMail, YMail, Proton work, FAU.de works sometimes, GMX.de does not

Homework Grading

All homework submissions will be weighted equally

- Each homework will be graded on a [0..10] scale
- There will be 12 homework submissions

Miss four or more homework assignments and you fail the course

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No Oral or Written Exam [1] [2]

[1] If both you and we don't want to
[2] You still have to register for the course

Course Language [1]

Class

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

Exercise

- Instructor: German
- Homework: Choice of German or English

[1] See https://oss.cs.fau.de/2012/03/10/english-or-german-deutsch-oder-englisch/

Course Participation (Auditing)

The course is provided publicly, you can always audit it

Auditing will not give you credit points towards a degree

Course Registration / Waitlist

Students must have passed a (trivial) entrance test

~~We use stratified randomized sampling to select students~~

~~Our current student limit for the course is 30 students~~

Everyone is required to participate in this first class

~~We will inform you after class if you got off the waitlist~~

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Course vs. Exam Registration [1]

Course registration and exam registration are two separate steps

If you want to receive a grade

- You must register through your university's exam registration system
  - **Your degree program may have split the course into two (VL + UE)**
  - **Please check asap that the course is available in your degree program!**

Otherwise: No grade

[1] German: Prüfungsanmeldung

Expectation Management (Winter 2024/25)

We skipped ADAP last winter to migrate from Java to Typescript

We did not finish ADAP preparations; hence this instances is experimental

You will not receive any homework feedback during the course

Please take note of these restrictions; we recommend you try next year

Course Organization

Course organization

- See https://adap.uni1.de

Course schedule

- See **Schedule** tab on Course organization doc

Work Rhythm

Class session

- Review of last week (quiz)
- Presentation of this week's topic

Homework review

- ~~Discussion of articles~~
- Discussion of homework

Homework

- See Course organization doc
- Self-organized

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Course Communication

Announcements by email

- Through course management system

Questions to teaching team

- Please ask your question in the course forum
- For private questions, use the teaching team email alias

Non-urgent questions will be answered in class

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Thank you! Any questions?

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