

Introduction to ADAP

(Advanced Design and Programming)

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ADAP A01

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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

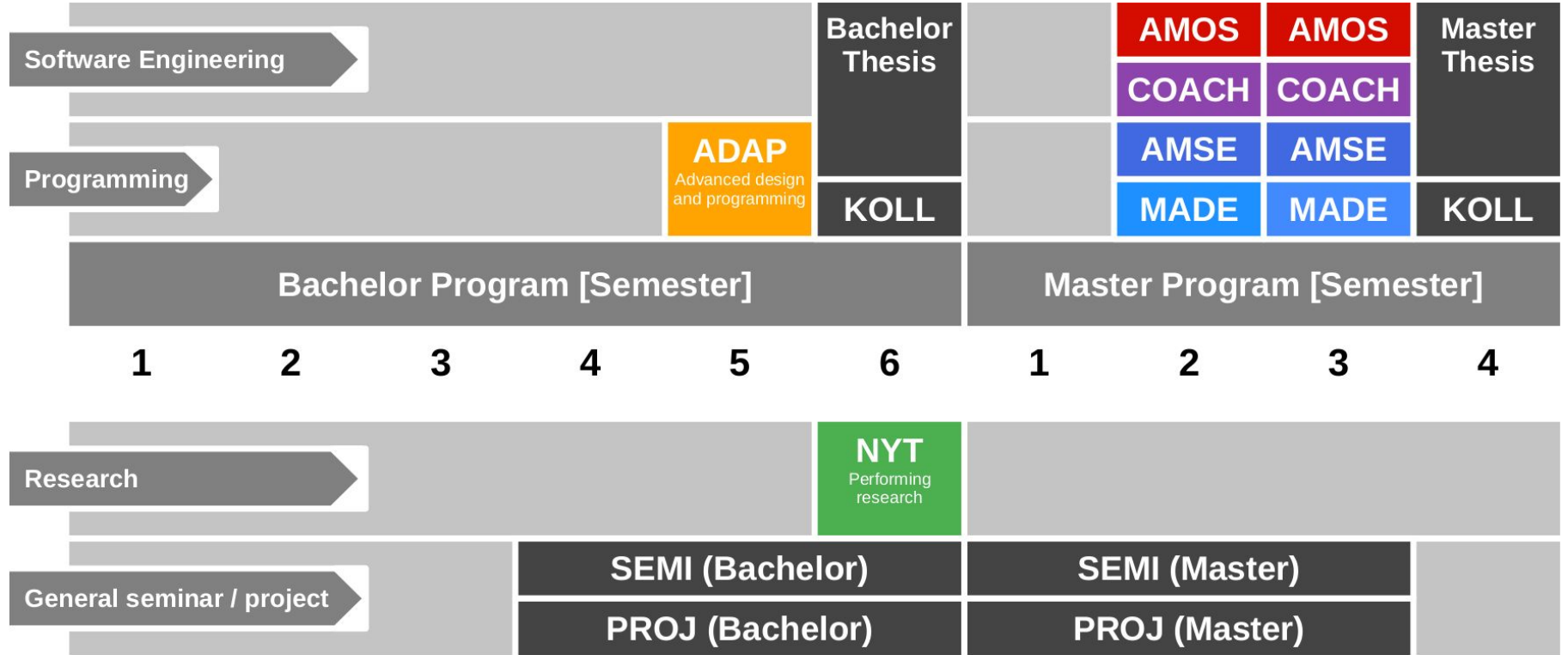
General requirements

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

For an intermediate period

- Tolerance for working with a living example

Course Position in Curriculum



Courses and Modules

Module = OSS-ADAP

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

In the computer science degree program

- As seminar (Bachelor, Master)
- As a VL + UE (Bachelor, Master) in den Säulen
 - Theoretische Orientierung
 - Software-Orientierung

[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

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]

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

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

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 Language [1]

Class

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

Exercise

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

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

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

Course Organization

Course organization

- See <https://adap.uni1.de>

Course schedule

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

Project allocation

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

Work Rhythm

Lecture (class)

- 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

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

Thank you! Any questions?

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