

Introduction to 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

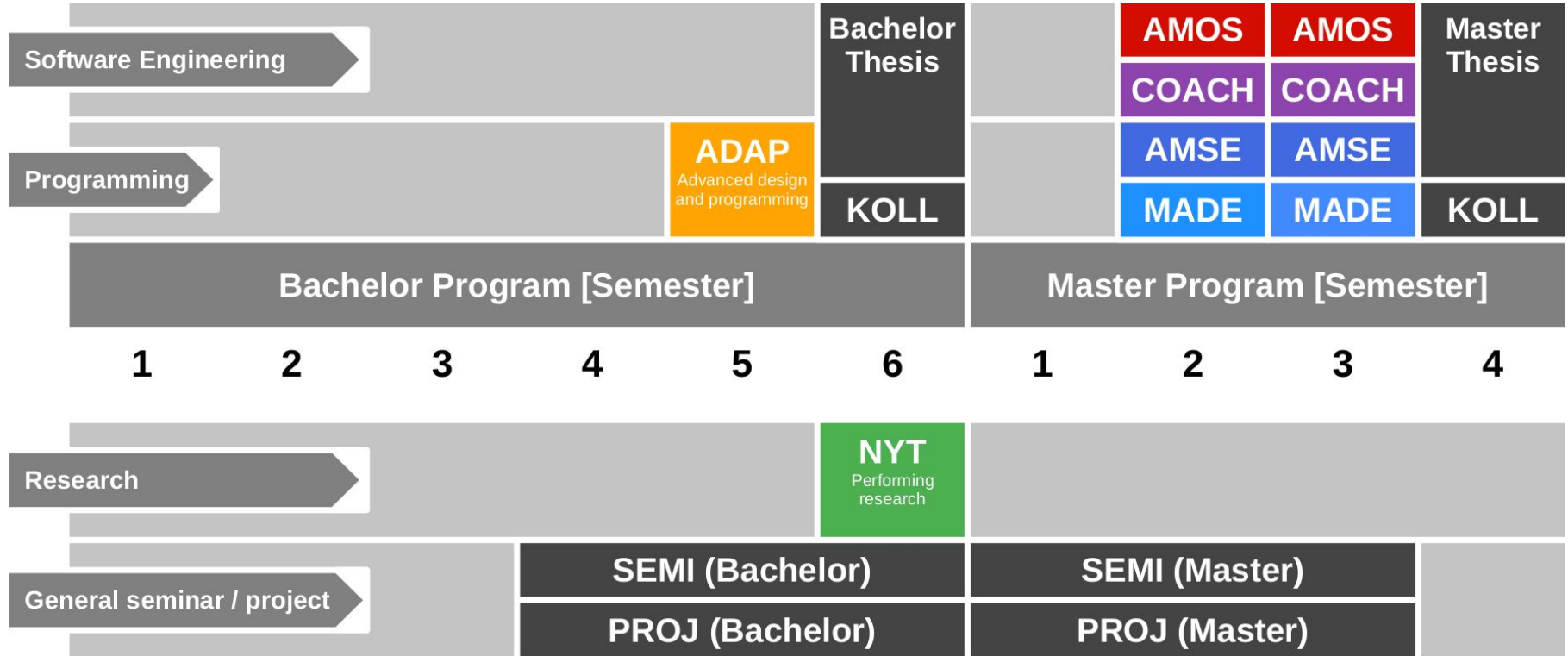
General requirements

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

In the Informatik degree program

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

[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

Course Management System

Please sign up on <https://myc.uni1.de> for the course

Make sure your first and last name match your university credentials

You must use your university email address for your account

All accounts with non-university email addresses will be removed

Class Quizzes

Each class session starts with a class quiz

- The 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

Quiz Grading

All quizzes are weighted equally

- 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)

Miss four or more quizzes and you fail the course

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

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

Expectation Management (Winter 2025/26)

We did not finish ADAP preparations; this instance 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

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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