Course Introduction

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ADAP A01

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Course Learning Goals

- To acquire competence in ...
  - domain-independent
  - principles and practices of
  - advanced object-oriented
  - design and programming

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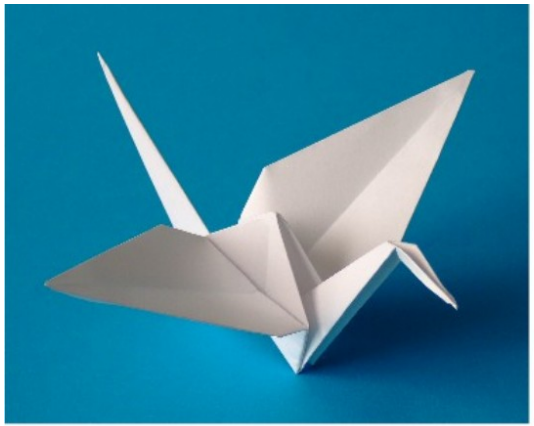
Wahlzeit / Flowers Application

Student Choice of Project 1 / 2



[1] Photo courtesy of Wikipedia with various CC licenses

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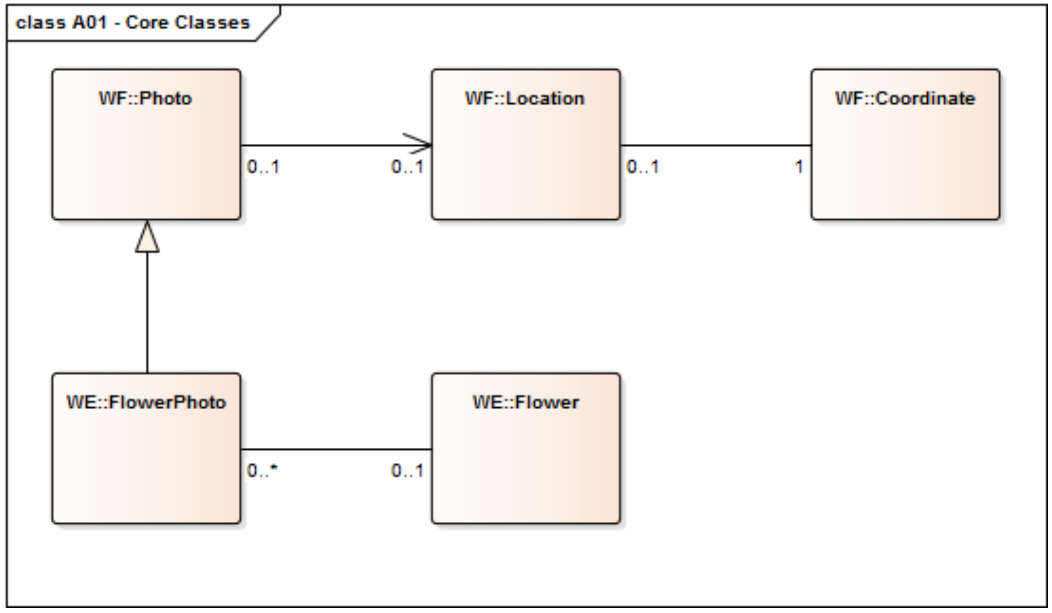
Student Choice of Project 2 / 2

- Choose something that will provide you with domain classes
  - Food → Type of food, price, location
  - Landscapes → Location, season, camera
  - Postage stamps → Stamp, country, age
- You will need these domain classes for your homework



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Skills Required for Course

- Required prior student skills
  - Programming in Java
  - Working with git
- Familiar with at least one
  - Operating system (default: Linux)
  - Command line (default: bash)
- Expected of student
  - Willingness to learn by themselves
  - We will introduce containerization

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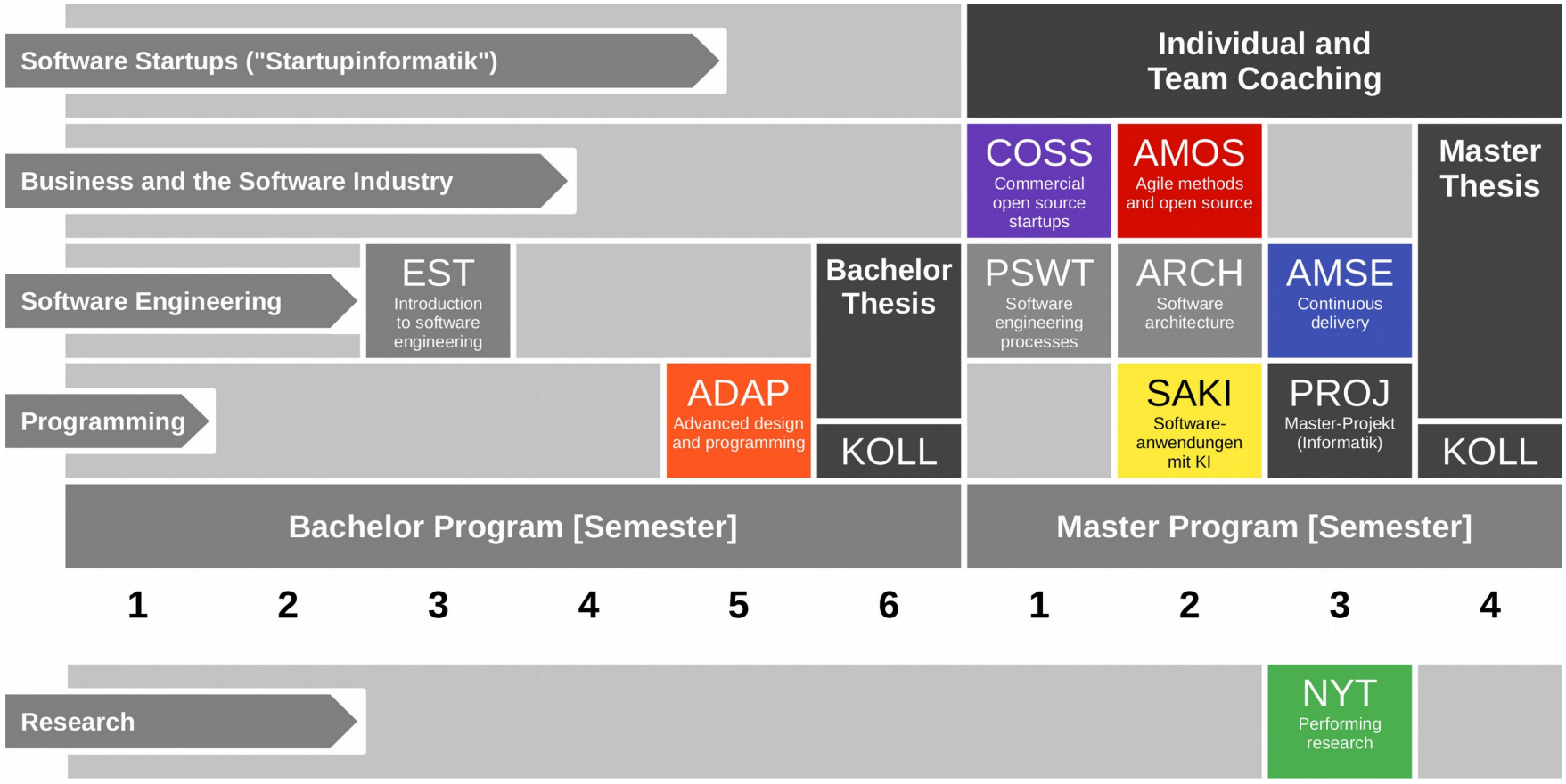
Course Position in Curriculum



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Courses and Modules

		Courses (Lehrveranstaltungen)		
		OSS-ADAP-VUE		Total ECTS
Modules	OSS-ADAP	x		5

VUE = Lecture + exercise (Vorlesung + Übung)
PROJ = Project

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Course Grading [1]

- Semester contributions = 50% of total grade
  - Understanding of lecture content (2 SWS) = 30 / 150 = 20%
    - Graded using [0..10] each class session using StudOn quizzes
  - Homework assignments = 120 / 150 = 80%
    - Graded using [0..10] each
- Oral exam = 50% of total grade
  - If both you and we agree on not having an oral exam, it can be dropped
    - If there are questions about a student's performance, we will not drop the oral exam
    - If the oral exam is dropped, the semester contributions become 100% of the grade

[1] Also see http://osr.cs.fau.de/teaching/course-resources/grading-schemes-and-scales/

Class Quizzes

- Each class session starts with a class quiz
  - A quiz will test your understanding of last session's lecture(s)
  - 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 through StudOn
  - It is your job to have reliable Internet access etc.
  - There is no way to make up for a missed quiz
- Please see the StudOn quiz FAQ https://bit.ly/2JpgjnQ

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Homework Grading

Categories	Points					Criteria
	Disagree	Disagree some	Neutral	Agree some	Agree	
Form (10%)	**Does the deliverable meet formal requirements?**					Does the deliverable meet page length requirements, has the right language, has required header, etc.?
Language (10%)	**Is the language clear, concise, and helpful?**					Are sentences complete, is the grammar correct, are statements coherent, etc.?
Solution Design (30%)	**Does the solution make sense and is it explained well?**					Is the answer clear, is it explained why it was chosen, are pros and cons weighed, etc.
Solution Implementation (50%)	**Has the solution been implemented well? (If no implementation was required, use your explanation points for the implementation as well.)**					Is the code clean, follows coding guidelines, is well tested, matches explanation, etc.?

Receiving a Grade for the Course

- If you want to receive a grade
  - You must register through the course management system during the registration period
- If you cannot register through the course management system
  - Please follow the instructions at https://wp.me/PDU66-2bx
- Otherwise: No grade

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No Oral or Written Exam [1]

[1] You still have to register for the course

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Course Language [1]

- Class
  - Lecturer: German
  - Student: 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-englisch/

Course Communication

- Announcements by email (through course management system)
- Please ask your questions using the FSI Forum for this course
- For email, use the teaching team alias from the **Course Organization** doc

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Project Contributor Agreement

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

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Course Information

- See **Course Organization** doc at https://oss.cs.fau.de/oss-adap-course

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Thank you! Questions?

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