

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

Wahlzeit / Flowers Application

Wahlzeit

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About

This website is to show,
discuss, and praise
photos!

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Community

[This is the open source
project Wahlzeit!](#)

Who/what/where is that?

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Praise it!

- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1

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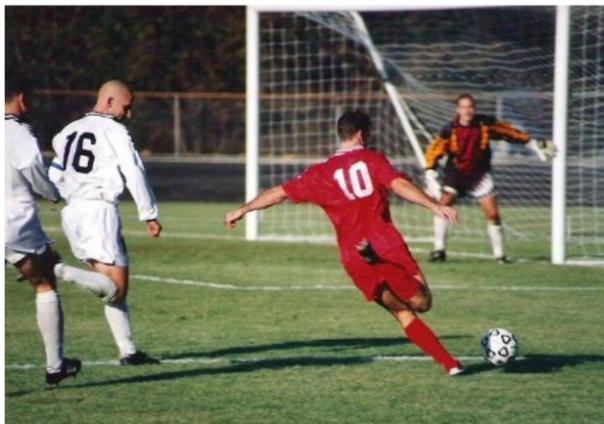
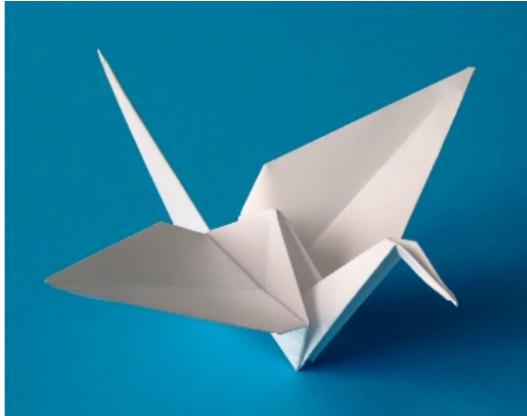
This website is to show the best in photos!

[[blog](#)] — [[about](#) | [contact / imprint](#) | [terms](#)] — [language: en | [de](#)] — [photo size: [XS](#) | [S](#) | M | [L](#) | [XL](#)]

[processing time: 0.001 seconds]

3

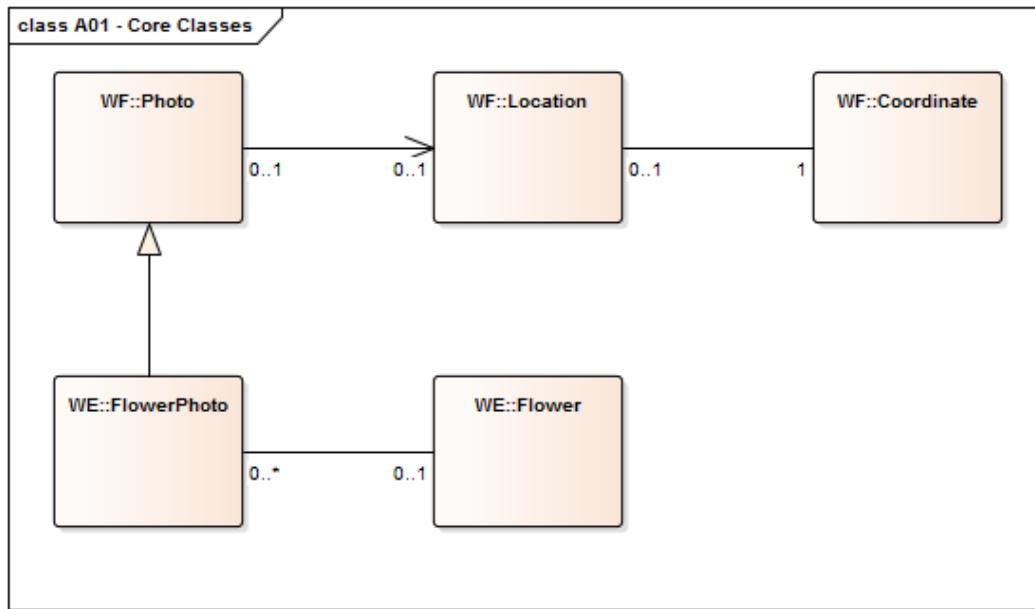
Student Choice of Project 1 / 2



[1] Photo courtesy of Wikipedia with various CC licenses

Student Choice of Project 2 / 2

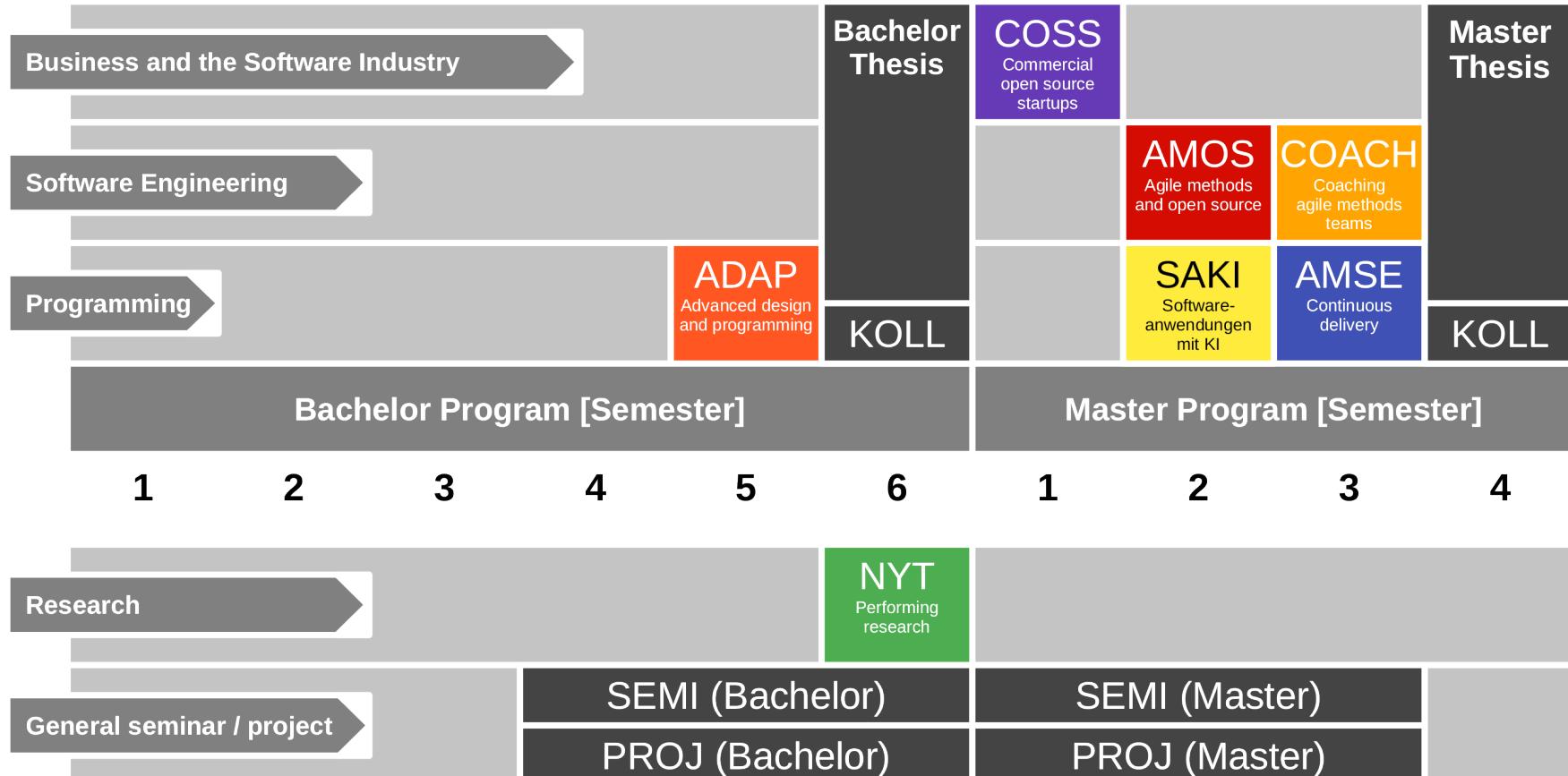
- Choose something that will provide you with domain classes
 - Food → Type of food, price, location
 - Landscapes → Location, season, camera
 - Postage stamps → Stamp, country, age
- You will need these domain classes for your homework



Skills Required for Course

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

Course Position in Curriculum



Courses and Modules

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

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

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
 - Active class participation is not graded
 - But participation moderates grade if unclear
- 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
 - If you insist on an oral exam, please tell us within two weeks after the last session

[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>

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 registration system during the registration period
 - Course registration → <https://campus.fau.de>
 - Course registration is different from course management
 - Course management → <https://studon.fau.de>
- If you cannot register through the course registration system
 - Please follow the instructions at <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
 - 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 Organization

- Course organization
 - See <https://adap.uni1.de>
- Course schedule
 - See **Schedule** tab on **Course Organization** doc
- Course homework
 - See **Homework** section on **Schedule** tab on **Course Organization** doc

Open Source License Compliance

- You can copy other people's code to solve some homework if
 - You copy the code only after the homework deadline (to catch-up) and
 - Comply with the license requirements of that code
- Wahlzeit is licensed under the AGPL-3.0-or-later license
 - All contributed code is thereby also licensed under this license
 - Combining such code is possible if you comply with the license
- The AGPL-3.0-or-later license requirements are to
 - Publish your own changes to the source code (done automatically) and to
 - Attribute the original author of the code you use and some more
- Please see <https://www.gnu.org/licenses/agpl-3.0.en.html>

Project Contributor Agreement

- For contributions to Wahlzeit, we require a rights grant
 - We use the Sun Contributor Agreement
 - See <https://oss.cs.fau.de/teaching/contributor-agreement/>

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



Thank you! Questions?

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dirk@riehle.org – <https://dirkriehle.com> – [@dirkriehle](https://twitter.com/@dirkriehle)

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