

# 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

← → ↻ dirkriehle-wahlzeit.appspot.com/x1agy.html ☆ 📄 ⋮

## Wahlzeit

[ [show](#) | [tell](#) ] — [ [home](#) | [profile](#) | [upload](#) | [logout](#) ] — [ [moderate](#) ] — [ [administer](#) ]

### About

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

### Photo Filter

[Click to toggle filter!](#)

### Community

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



Who/what/where is that?  
[Click to show/hide description!](#)

### Praise it!

☐ 10  
☐ 9  
☐ 8  
☐ 7  
☐ 6  
☐ 5  
☐ 4  
☐ 3  
☐ 2  
☐ 1  
Or [skip](#) it.

a friend about this photo: [x1agy.html](#) — Send  to the owner of this photo!

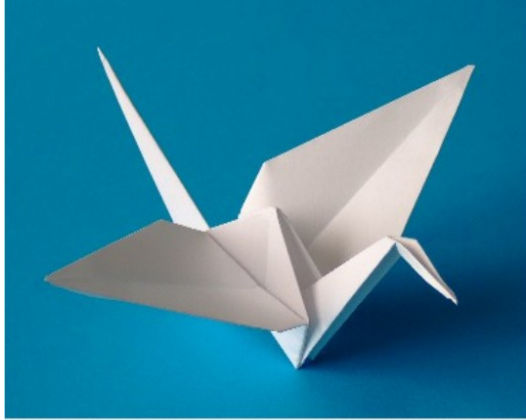
Please help keep this community site clean!  photo as inappropriate if necessary.

**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 ]

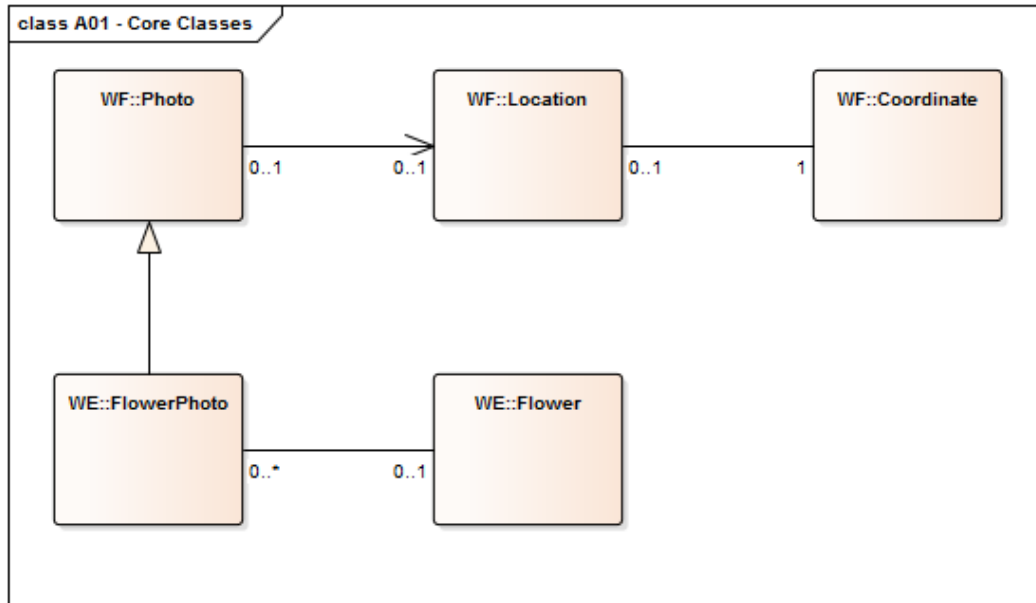
# Student Choice of Project 1 / 2



[1] Photo courtesy of Wikipedia with various CC licenses

# Student Choice of Project 2 / 2

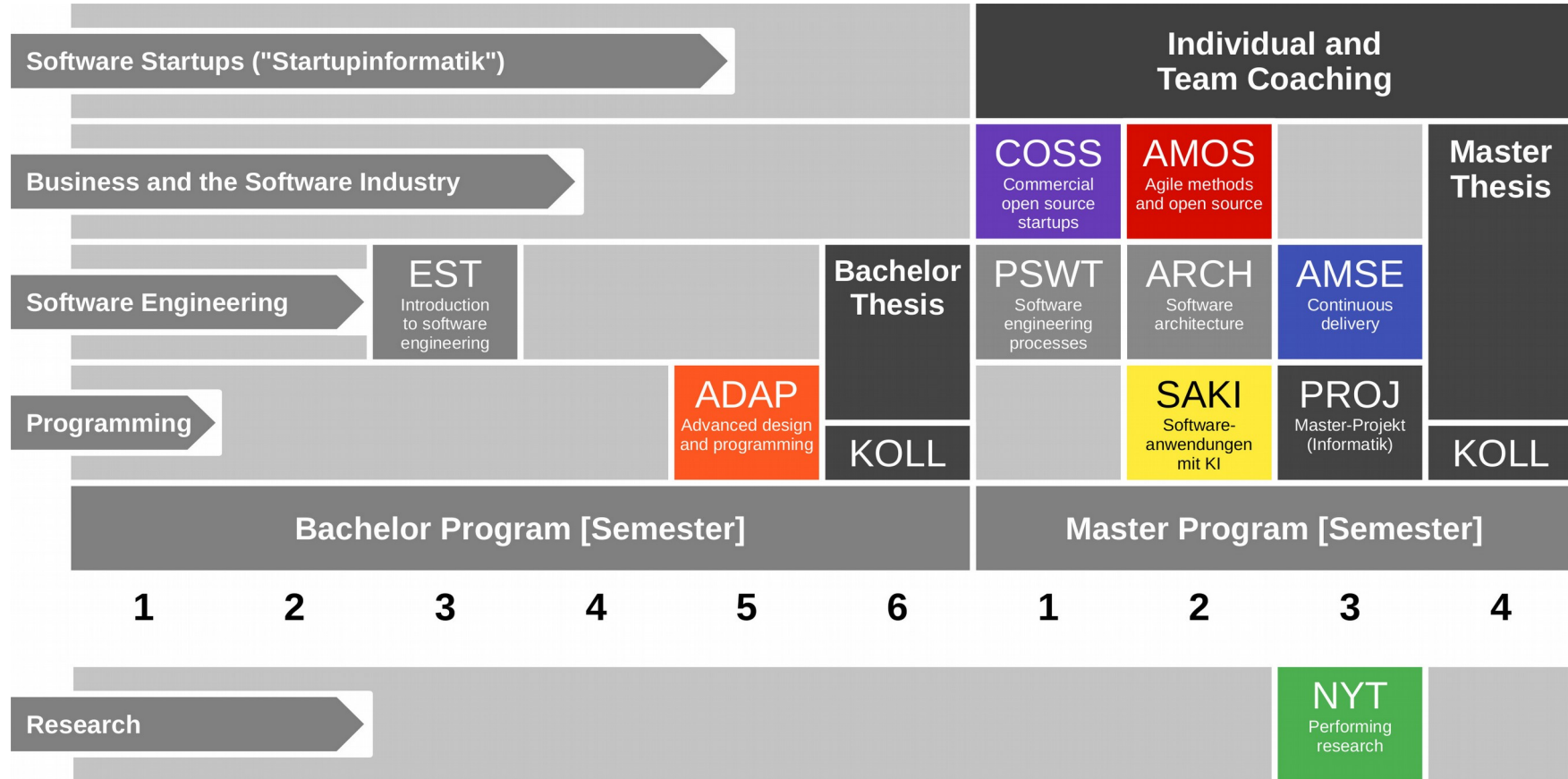
- Choose something that will provide you with domain classes
  - Food → Type of food, price, location
  - Landscapes → Location, season, camera
  - Postage stamps → Stamp, country, age
- You will need these domain classes for your homework



# Skills Required for Course

- Required prior student skills
  - Programming in Java
  - Working with git
- Familiar with at least one
  - 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<br>(Lehrveranstaltungen) |  |            |
|---------|----------|----------------------------------|--|------------|
|         |          | OSS-ADAP-<br>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
- 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

# 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.?               |

# Voluntary Honor Code

- Students are adults and chose to come here for education
  - We encourage students to learn for their education, not for grades
- Cheating runs counter to the purpose of a good education
  - Cheating robs the student of a good education
  - Cheating can hurt others who are honest
- If you see another student cheating, please tell us
  - We will then not let go of the oral exam requirement for the alleged cheater
  - By telling us, you are helping everyone have a fair and quality education
  - You have to talk to us in person, but we will guarantee your anonymity

# Receiving a Grade for the Course

- If you want to receive a grade
  - You must register through the course management system before the cut-off deadline
- If you cannot register through the course management 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 Communication

- Announcements by email (through StudOn)
- Questions and answers using FSI Forum for course
- If you must send email, use the teaching team alias from course index





# 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/>

# Course Information

- See <https://oss.cs.fau.de/oss-adap-course>

# Thank you! Questions?

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  - ...