

# Course Introduction

**Prof. Dr. Dirk Riehle**

**Friedrich-Alexander University Erlangen-Nürnberg**

**NYT A01**

Licensed under [CC BY 4.0 International](#)

# 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.

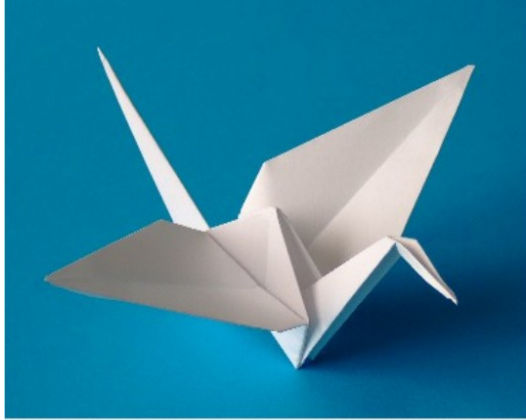
a friend about this photo: [x1agy.html](#) — Send  to the owner of this photo!

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 ]

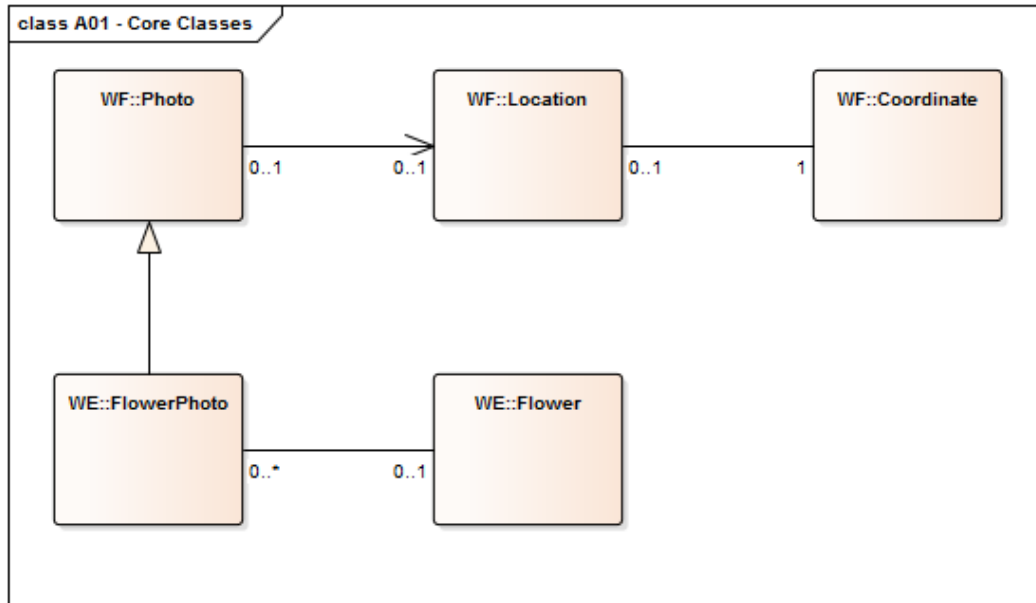
# Student Choice of Project 1 / 2



[1] Photo courtesy of Wikipedia with various CC licenses

# Student Choice of Project 2 / 2

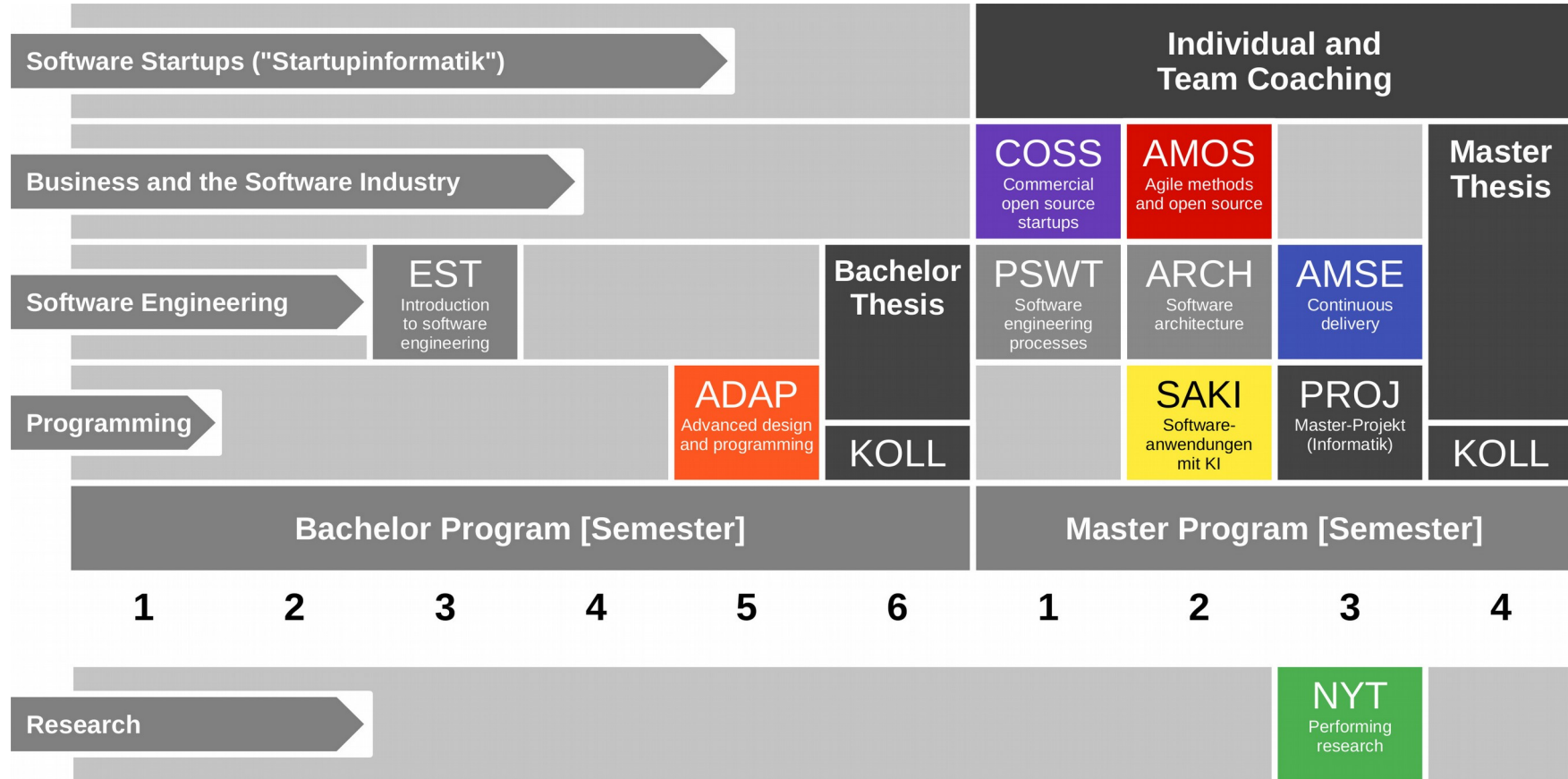
- Choose something that will provide you with domain classes
  - Food → Type of food, price, location
  - Landscapes → Location, season, camera
  - Postage stamps → Stamp, country, age
- You will need these domain classes for your homework



# 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 (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
- 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?

[dirk.riehle@fau.de](mailto:dirk.riehle@fau.de) – <http://osr.cs.fau.de>

[dirk@riehle.org](mailto:dirk@riehle.org) – <http://dirkriehle.com> – [@dirkriehle](#)

# Credits and License

- Original version
  - © 2012-2020 [Dirk Riehle](#), some rights reserved
  - Licensed under [Creative Commons Attribution 4.0 International License](#)
- Contributions
  - ...