

Course Introduction

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NYT A01

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Science is the process of acquiring knowledge for correct prediction and reliable outcome. [DR]

[1] Adapted from various sources.

Course Content

1. Science illustrated
2. Science defined
3. Theory building
4. Theory validation
5. Scientific writing
6. Publishing

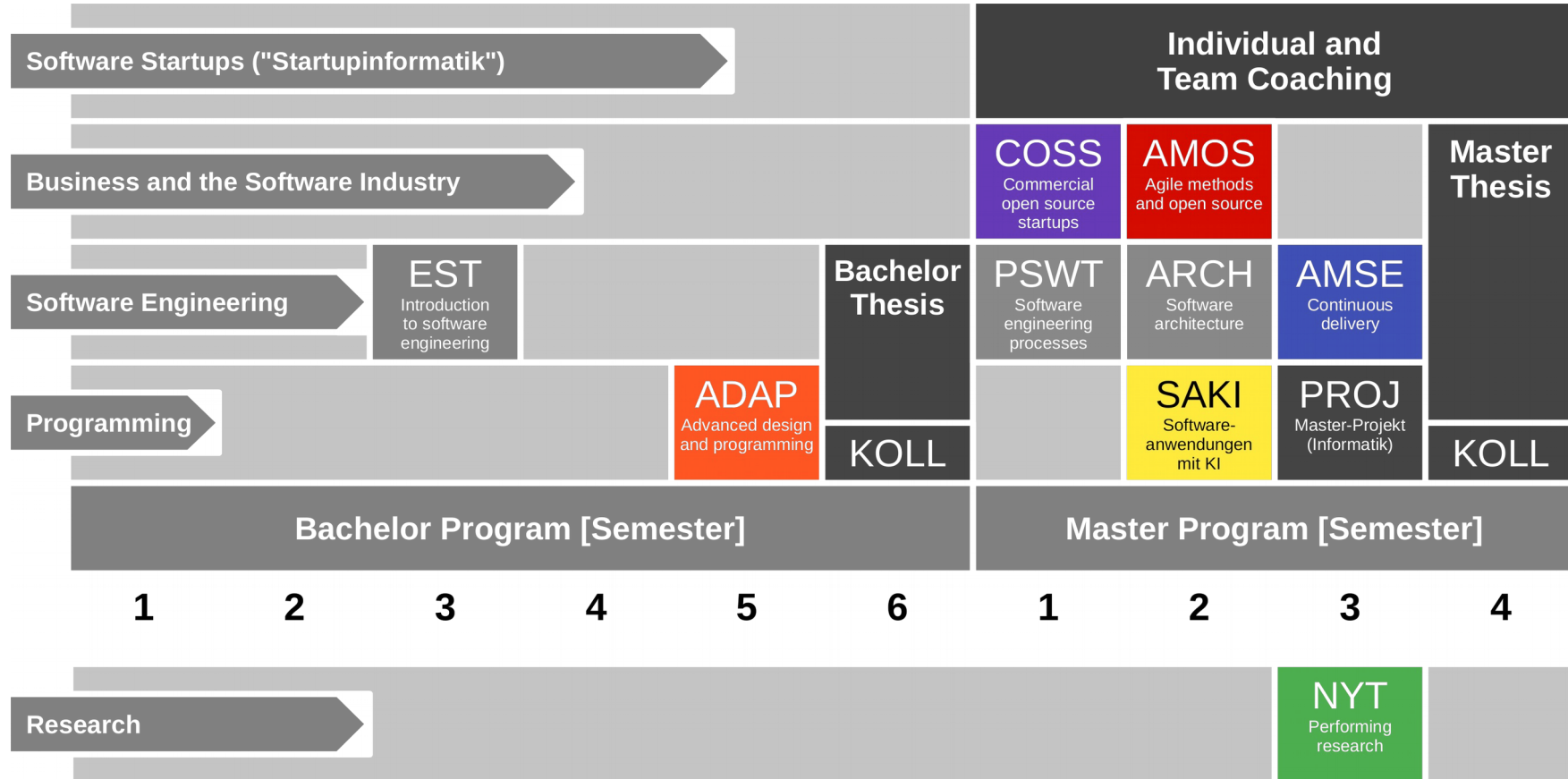
Course Learning Goals

- Students will gain a conceptual understanding of
 - Science in general
 - The scientific process, including
 - Types and forms of research
 - Research methodologies and methods
 - Publications and the scientific community
 - How to write a research paper (thesis)

Skills Required for Course

- No particular requirements, but ...
 - Strong conceptual thinking

Course Position in Curriculum



Courses and Modules

		Courses (Lehrveranstaltungen)		
		OSS-NYT-VUE	OSS-NYT-PROJ	Total ECTS
Modules	OSS-NYT-VUE	x	–	5
	OSS-NYT-PROJ	–	x	5
	OSS-NYT-VUE+PROJ	x	x	10

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

Course 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 StudOn quizzes
 - ~~Homework discussion (2 SWS) = $30 / 150 = 20\%$ (of semester contributions)~~
 - ~~Graded using [0|1|2|3] scheme evaluated using class participation~~
 - Homework submissions = $120 / 150 = 80\%$ (of semester contributions)
 - Graded using [0..10] based on grading rubric (see later slide)
- 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 at <https://bit.ly/2JpgjnQ>

Grading Rubric for Homework Submissions

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, is written in the right language, etc.?
Language (10%)	Is the language clear, concise, and helpful?					Are sentences complete, is the grammar correct, are statements coherent, etc.?
Structure (20-30%)	Does the deliverable have a clear logical structure?					Does the deliverable follow established or suggested structure? Is the argument logical, etc.?
Content (50-60%)	Does the discussion touch on all relevant issues?					As a reference, use your own deliverable as well as what you learned in class.

Student 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 expect to not let go of the oral exam requirement for the student then
 - 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 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

No Oral or Written Exam [1]



[1] If both you and we don't want to

Course Language [1]

- Class
 - Lecturer: English
 - Student: Choice of German or English
- Homework
 - 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



Course Information

- See **Course Organisation** doc at <https://oss.cs.fau.de/oss-nyt-course>

Thank you! Questions?

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