

Free / Libre and Open Source Software

Prof. Dr. Dirk Riehle

Friedrich-Alexander University Erlangen-Nürnberg

FOSS A01

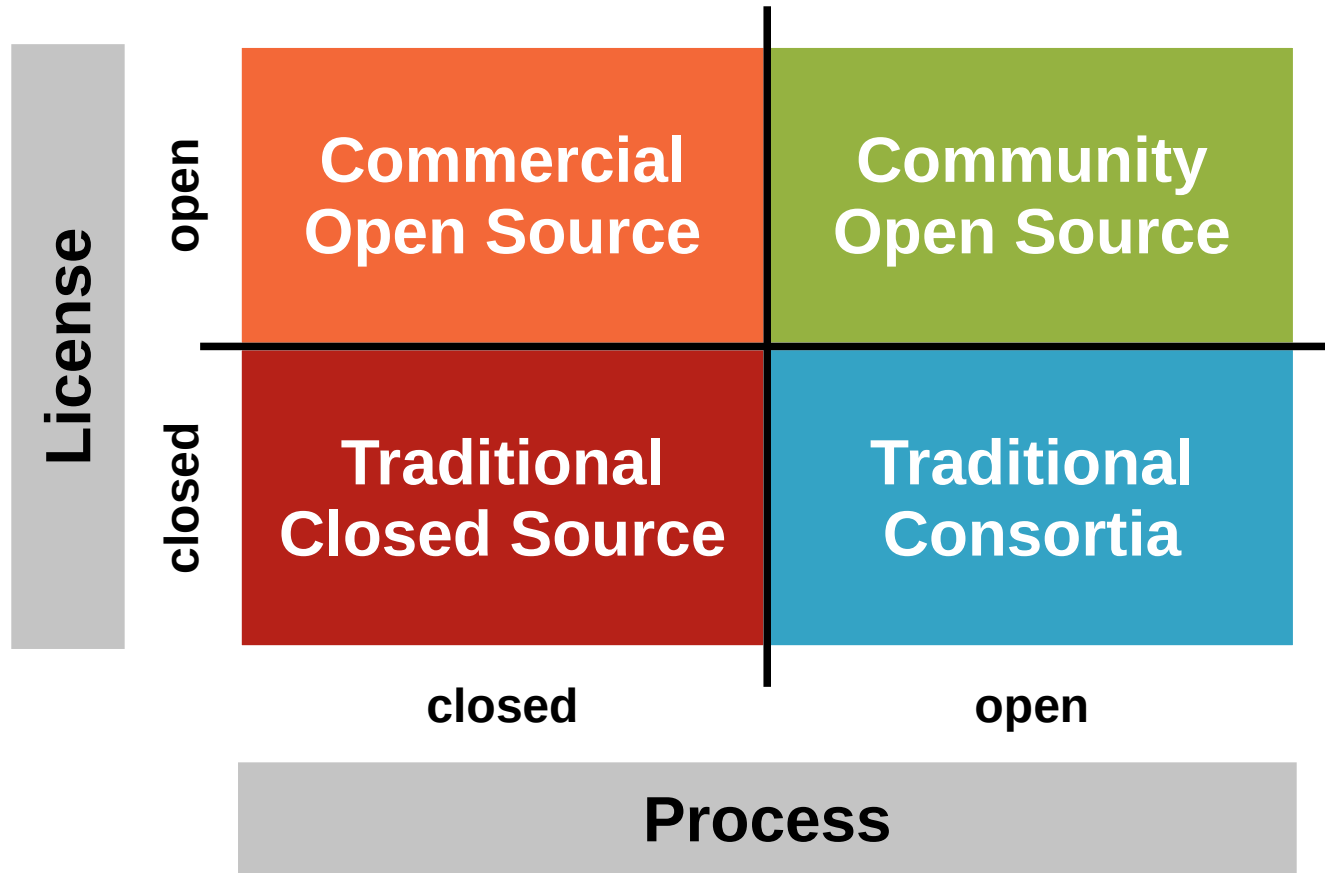
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Open Source is ... (First Take) [1]

- Software
 - that is provided to its users for free under an open source license
- A process
 - that uses the practices of open collaboration for superior results

[1] Derived from the OSI definition at <http://opensource.org>

Open vs. Closed Source



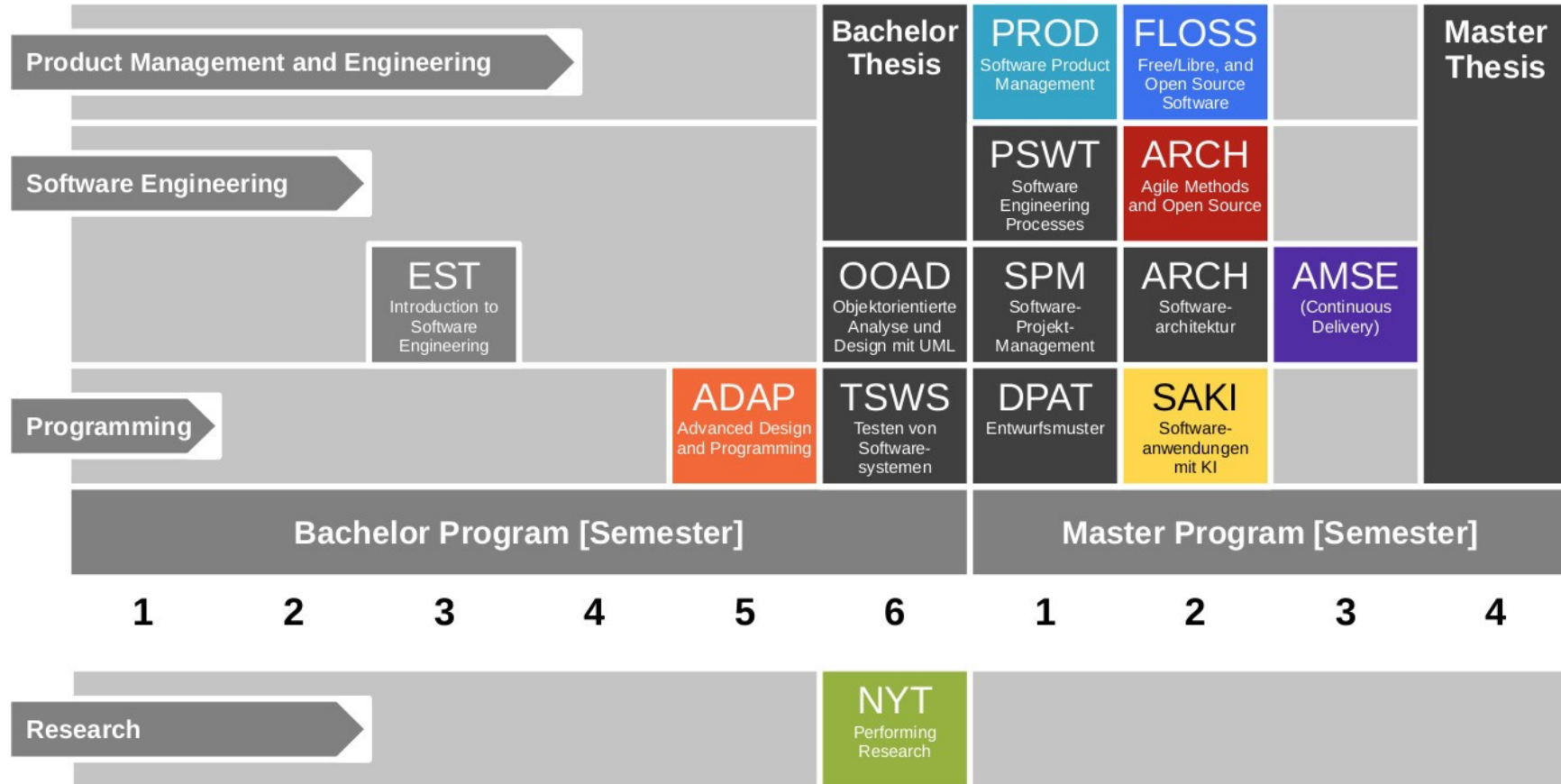
Course Topics

- Open source basics
 - Overview and history
 - Intellectual property
- Open source projects
 - Project communities
 - Development processes
 - Development tooling
- Corporate open source
 - Corporate governance
 - Corporate open sourcing
 - Inner sourcing
- Open source economics
 - Developer foundations
 - User foundations
 - Service and support firms
 - Distributor firms
 - Single-vendor firms
- Software developers
 - Labor economics

Course Learning Goals

- Students will gain a conceptual understanding of
 - key aspects of the software industry
 - how open source software projects work
 - how open source is changing the software industry
- Students will acquire a practical understanding of
 - simple tasks involved in each of the course topics

Course Position in Curriculum

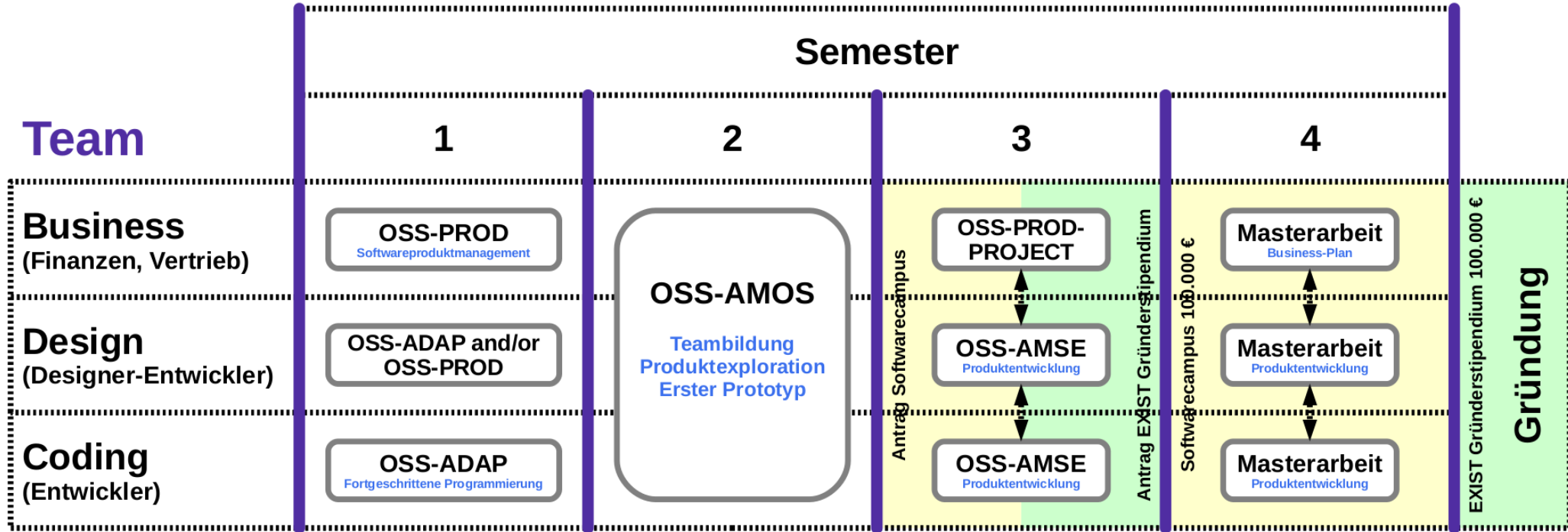


Courses and Modules

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

Startupinformatik

Dein Weg zur Startup im Masterstudium, seit 2010!



<http://startupinformatik.de>

Gewinner 1ter Preis 2015
Programm zur Startup-
Förderung an Hochschulen



Course Grading [1]

- Class discussion (4 SWS) = $60 / 150 = 40\%$
 - Where class = lecture + exercise
 - Graded using [0|1|2|3] scheme
- Homework deliverables = $90 / 150 = 60\%$
 - Reduced to class quizzes this semester
 - Graded using [0..10] scheme

Active Participation

1. Showing up +
2. listening to the lecturer +
3. thinking about what you are hearing +
4. verbalizing your thoughts (speaking up) +
5. answering to someone else's thoughts +
6. collaborating to solve a problem +
7. adequate use of air-time

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

Requirement for Passing Course

- At least 50% participation in all grade-relevant components
 - Class discussion
 - Homework deliverables

No Oral or Written Exam [1]



[1] You still have to register for the course

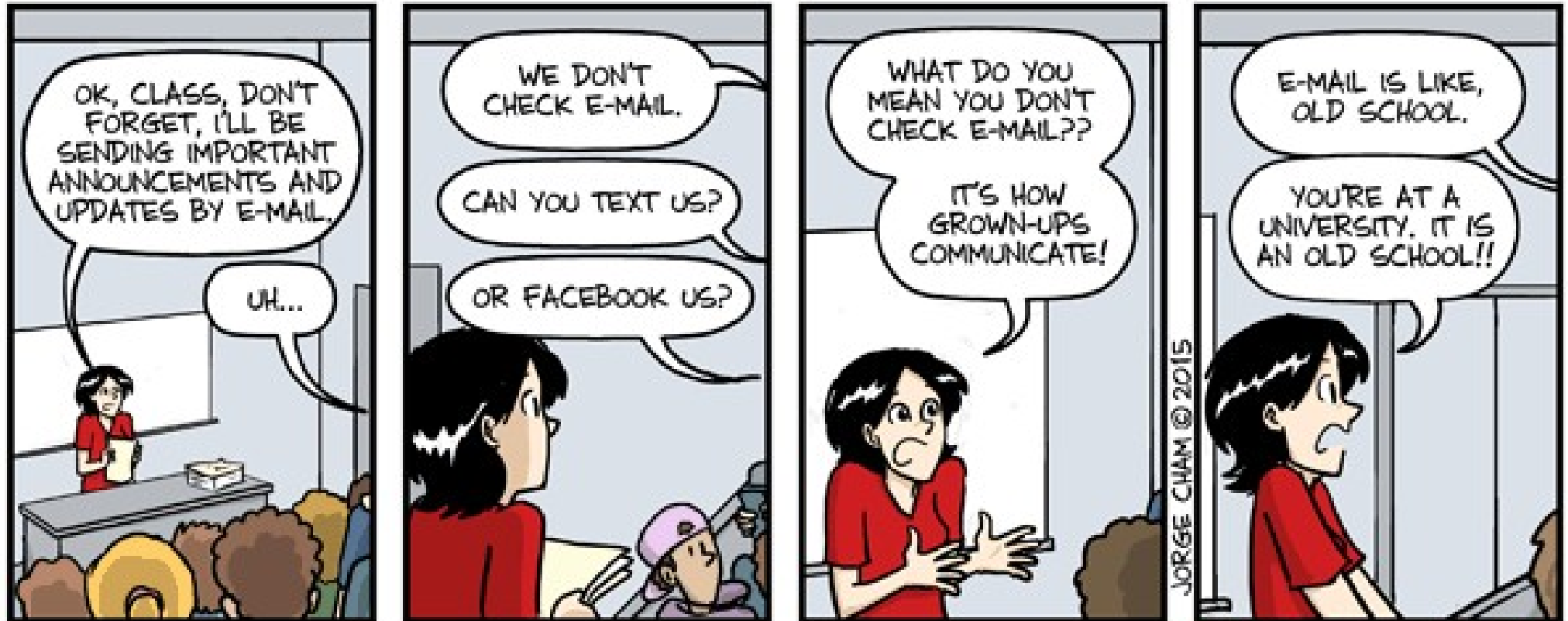
Course Language [1]

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



Course Information

- Course index
 - <https://goo.gl/czKB5y>
- Course reader
 - <https://goo.gl/AvSJNi>

Thank you! Questions?

dirk.riehle@fau.de – <http://osr.cs.fau.de>

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

Credits and License

- Original version
 - © 2012-2019 Dirk Riehle, some rights reserved
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- Contributions
 - ...

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It is Friedrich-Alexander University Erlangen-Nürnberg – FAU, in short.
Corporate identity wants us to say “Friedrich-Alexander University”.

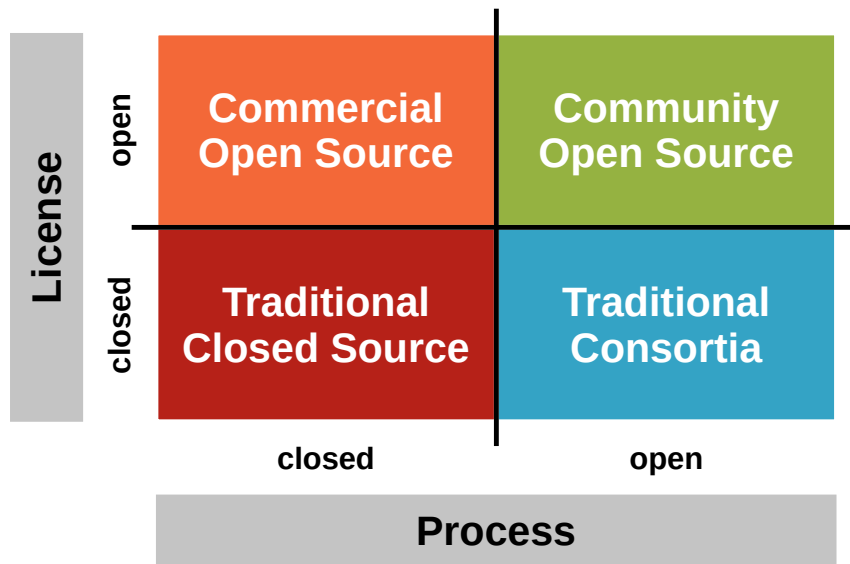
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DR

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