# Free / Libre and Open Source Software

## Prof. Dr. Dirk Riehle

**Friedrich-Alexander University Erlangen-Nürnberg**
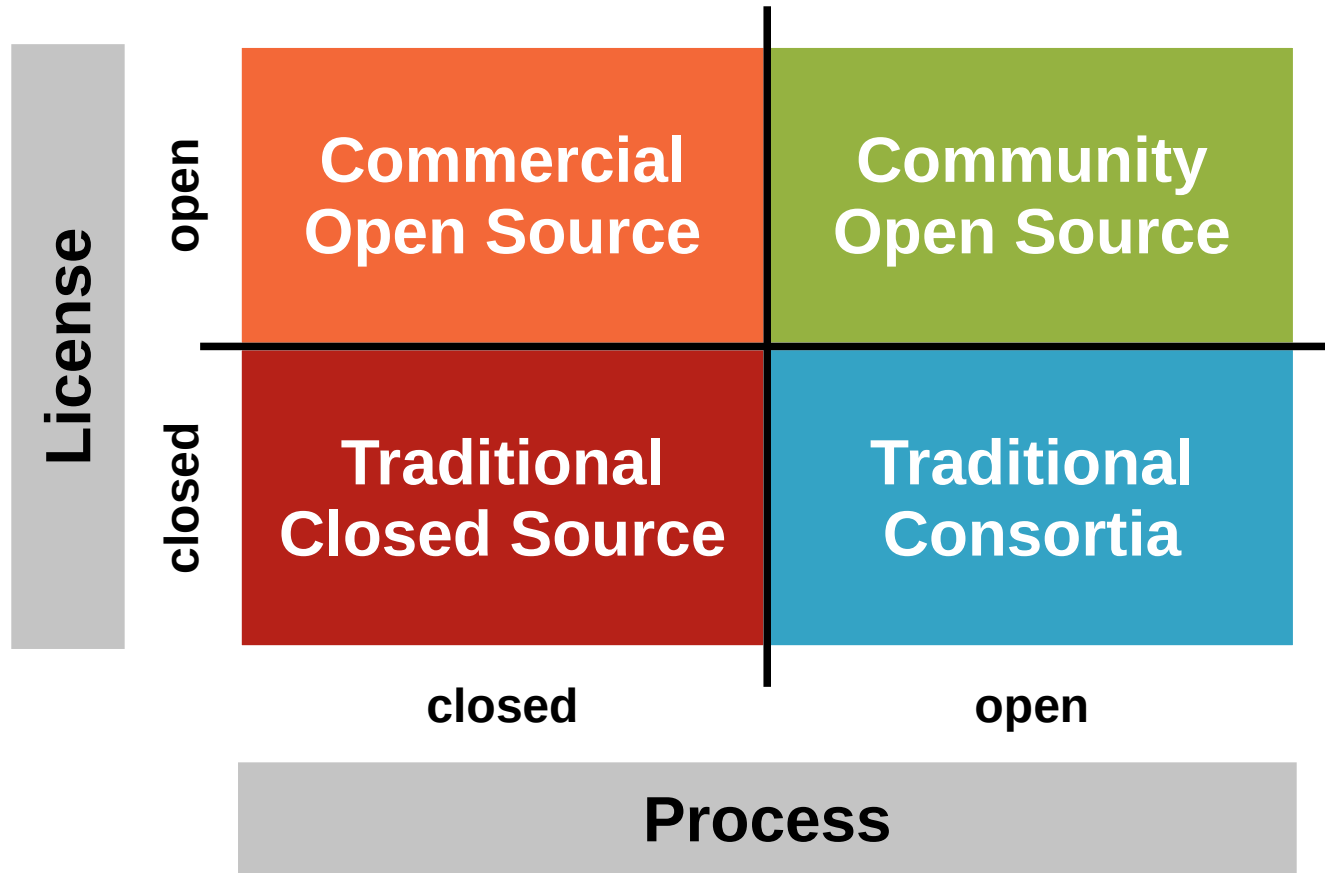
## FOSS A01

# 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

**License** — open / closed

**Process** — closed / open

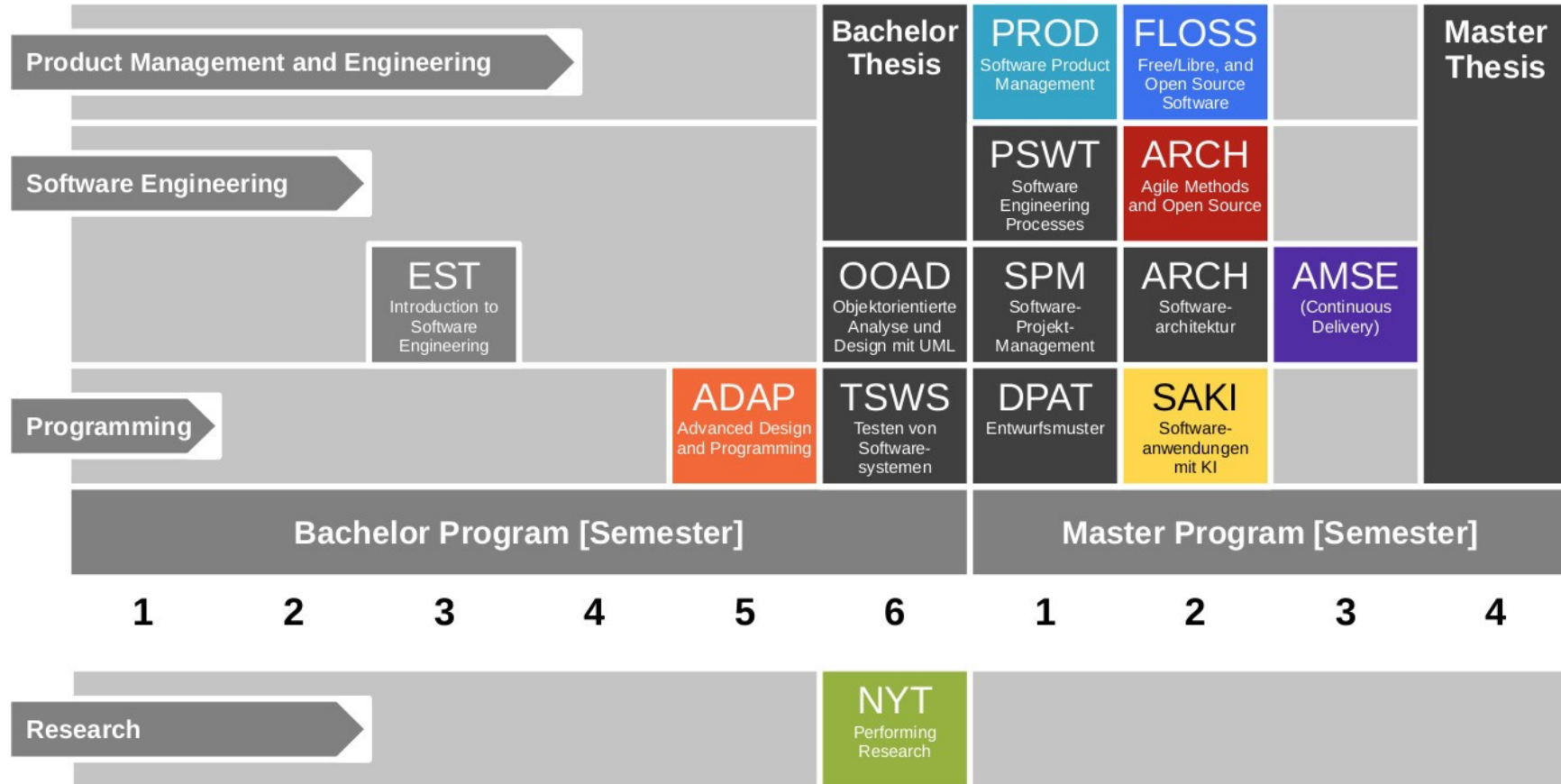|  | closed | open |
|---|---|---|
| **open** | Commercial Open Source | Community Open Source |
| **closed** | Traditional Closed Source | Traditional Consortia |

# 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
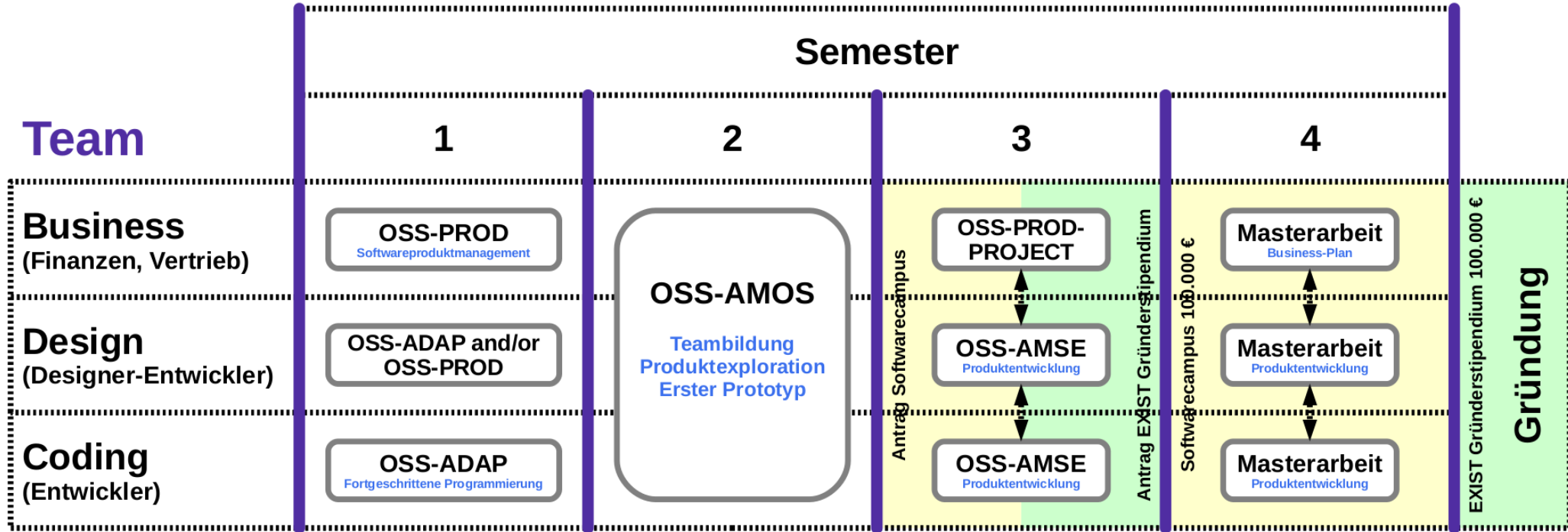
# Course Position in Curriculum

# Courses and Modules

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

# Startupinformatik
## Dein Weg zur Startup im Masterstudium, seit 2010!

**Semester**

| Team | 1 | 2 | 3 | 4 | |
|---|---|---|---|---|---|
| **Business** (Finanzen, Vertrieb) | **OSS-PROD** Softwareproduktmanagement | **OSS-AMOS** Teambildung Produktexploration Erster Prototyp | **OSS-PROD-PROJECT** | **Masterarbeit** Business-Plan | **Gründung** |
| **Design** (Designer-Entwickler) | **OSS-ADAP and/or OSS-PROD** | | **OSS-AMSE** Produktentwicklung | **Masterarbeit** Produktentwicklung | |
| **Coding** (Entwickler) | **OSS-ADAP** Fortgeschrittene Programmierung | | **OSS-AMSE** Produktentwicklung | **Masterarbeit** Produktentwicklung | |

Antrag Softwarecampus

Antrag EXIST Gründerstipendium

Softwarecampus 100.000 €

EXIST Gründerstipendium 100.000 €

# http://startupinformatik.de

# 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

- Please see the StudOn quiz FAQ https://bit.ly/2JpgjnQ

# Requirement for Passing Course

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

# Receiving a Grade for the Course

- If you want to receive a grade

  - You must register through the course management system before the deadline

- If you cannot register through the course management system

  - Please follow these instructions https://wp.me/PDU66-2bx

- Otherwise: No grade
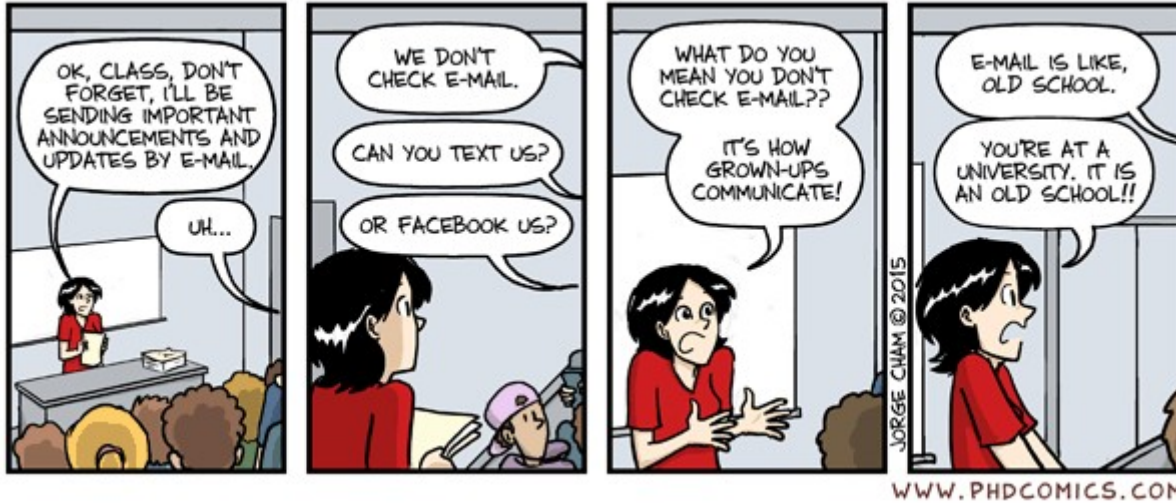
[1] You still have to register for the course

# Course Language [1]

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

- Homework
  - Submissions: English

# 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

# 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

DR

# Credits and License

- Original version
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- Contributions
  - ...