



FWPA (Fundamentals of Web Programming and ...)

Room 209, Mondays 12:30-15:45, ADS

Course Structure and Grading

- 8 ECTS: teaching load is 200 net hours!
 - 4 contact hours weekly, 16 weeks totals 56 hours
 - Homework and group work totals 144 hours!
 - Enough time to meet all challenges and learn a lot!
- Group of two students working constructively together
- The final grade will be determined by:
 - 25% Class Participation and homework assignments
 - 25% Five very short exams covering the taught concepts of previous installments
 - 25% Group project
 - 25% Final exam (individual)

Teaching Goals (Outcomes)

- Acquiring
 - Core programming concepts (important for those who cannot program yet)
 - Comprehensive knowledge of web application programming (front- and back-end technologies)
 - Introduction to web server concepts and experiments
 - Apache web server (CGI), Java web servers (Tomcat, CGI and servlets)
 - HTML, CSS
 - Introduction to Javascript
 - Introduction to relational databases (SQLite)
 - Team working (social) skills

Homework (Create Infrastructure), 1

- Download and install in groups of two
 - [ooRexx 5.3.0 beta \(release quality\)](#)
 - See "NOTE # 1" at [Unblock](#) before installing on Windows or macOS!
 - [IntelliJ for Students](#)
 - [ooRexxPlugin-2.5.0.GA.zip for IntelliJ](#)
 - [Any Java 25 Full/FX \(with JavaFX\)](#)
 - [BSF4ooRexx850 zip-archive](#) Note: Java needs to be installed before installing BSF4ooRexx850
 - See "NOTE # 1" at [Unblock](#) before installing on Windows or macOS!
- Homework
 - Install the software in a group of two, make sure packages work
 - Use IntelliJ to create a small "hello world" Rexx program with your group's number and group member names in it

Homework (Create GitHub Account and Projects), 2

- Got to [GitHub](#)
 - Create an account, if you do not have already one
 - Create the projects
 - `fwpa2026` (your personal project)
 - One of the group members creates `fwpa2026gNN` (group project, `NN` replaced by your group number, e.g. `01`, ..., `15`)
- Research the Internet to download `git`, if you have not done already
 - Find introductory tutorials to `git`
 - Create a subdirectory `part01` in your projects
 - Create a file `test.rex` and commit it

Contact

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