

# Middleware

# General information

- Labs
  - Friday 10:40
  - Every odd week
  - 7 labs
    - 5 tasks
  - See schedule on the web
  - Attending is recommended, but not strictly required
- Web
- <https://d3s.mff.cuni.cz/teaching/nswi080/>
- Mailing list
  - [nswi080@d3s.mff.cuni.cz](mailto:nswi080@d3s.mff.cuni.cz)
  - <https://d3s.mff.cuni.cz/mailman/listinfo/nswi080>

# Course requirements

- Get points by completing the tasks
  - 5 tasks given in labs, 10 points each
  - Points determine the grade
    - 45-50 points: 1
    - 35-44 points: 2
    - 25-34 points: 3
- Lab activity
  - Simple task which you should be able to complete during the labs
- Present at least one solution to the lab assistant
  - In the labs or in an individual on-line meeting
- Details on the website

# Standard Tasks

- Each task: 10 points
- Submit by e-mail
- Standard deadline: day before the next lab (~14 days)
  - missing one deadline by 10 hours is tolerated
  - problems pointed out in the solution may be corrected until the extended deadline, for half the points
- Extended deadline: day before the following lab
  - submissions between the standard and extended deadline are worth half the points

# Solutions

- Implement the required functionality
  - solution should be easy to run
    - must work on lab computers
    - use the provided build scripts
    - no need to add Maven or Ant scripts
    - no need to use java packages or modules
  - do not submit generated files, compilation artifacts, IDE project files
- Report
  - answer the questions given in the assignment
    - include measurements, charts, where required
  - explain important decisions made in the implementation

# Individual Tasks

- Has to be individually agreed on in advance
  - before the start of summer examination period
- Solutions by the end of summer examination period

# Lab Activity

- Showing an introductory example
  - There is an associated simple activity that you can finish in the labs or submit by e-mail.
- Explaining the tasks
- Discussing solutions of previous tasks

# Computer environment

- Linux OS is recommended
  - you can use computers in the school lab remotely
  - `u-plXX.ms.mff.cuni.cz`
  - `http://wiki.ms.mff.cuni.cz/wiki/laboratoř_UNIX`
  - Java Development Kit 8 or later
    - `eselect java-vm list`
    - `eselect java-vm set user openjdk-11` (log out to apply change)