703013
PS Operating Systems (Betriebssysteme)

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PS Information

- Main goal: Hands-on experience of lecture topics, generally everything related to operating systems basics
  - All in Linux!
  - Mostly C programming!
- Specifically:
  - UNIX shell interaction.
  - Processes
  - Threads

  } management, synchronization, communication, etc.
  - Advanced topics: scheduling, memory management.

- Check LFU:online for exact schedule

Grading Scheme

- Attendance (mandatory, max. 2x absence)
- Exercises (50% of grade)
  - Upload solutions to OLAT until Tue, 17:00
    - 1 point per task, **60% of points required to pass.**
    - No solutions => no points.
  - Presentation of solution in lab (at least once!)
    - Note: verify your solutions work on ZID-GPL!
    - No presence in lab => no points.
- Exam (50% of grade)
  - June 18, programming exercise, open book (no inter-person communication!).
- To pass the PS, you need to reach at least 50% of combined score for exercises and exam
  - Example: solved 27 out of 36 exercises*, reached 20 out of 50 points in exam.
    (27/36 + 20/50) / 2 = (0.75 + 0.4) / 2 = 0.575 => grade 4.
  - (*just an example, total number of exercises to be determined).

Solving Exercises

- You **may** solve exercises in groups (max 3 students), however if you do…
  - Add a note in your submissions stating who you worked with.
  - Be prepared to present and explain all aspects of your solution.
- You **may** use code snippets you find online, however if you do…
  - Add the URL in your submission stating where you took it from.
    - Also holds for **LLMs**, e.g.
      - https://chat.openai.com/share/0a547e7f-75bb-4bb0-ae3c-96f7b8b8f9fa
  - You should be able to fully explain what it does.
  - Remember that excessive copying will likely cause you to be ill-prepared for the test.
- Your code **must not** produce any additional output.
- Find more information on coding guidelines at https://github.com/uibk-dps-teaching/ps_os_2025

Accessing Exercises

- Exercises will be published on GitHub:
  - https://github.com/uibk-dps-teaching/ps_os_2025

- Handed in via OLAT
  - **Important**: You have to do both, **upload** your solutions and **mark** the exercises you solved