



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 | } | management, synchronization, communication, etc. |
| ▶ Threads | | |
 - ▶ 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 19, 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.
 $(27/36 + 20/50) / 2 = (0.75 + 0.4) / 2 = 0.575 \Rightarrow$ 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.
- ▶ Make use of the **tutorium** on Monday 12:45.
- ▶ Find more information on coding guidelines at https://github.com/uibk-dps-teaching/ps_os_2024

Accessing Exercises

- ▶ Exercises will be published on GitHub:
 - ▶ https://github.com/uibk-dps-teaching/ps_os_2024
- ▶ Handed in via OLAT
 - ▶ **Important:** You have to do both, **upload** your solutions and **mark** the exercises you solved

