

Programovanie v operačných systémoch

00 - Intro

Jozef Šiška



Department of Applied Informatics
Comenius University in Bratislava

2025/2026

Jozef Šiška

KAI - I 42

siska@ii.fmph.uniba.sk

<https://dai.fmph.uniba.sk/w/Course:OsProg/sk>

Outline

- ▶ OS (kernel) <-> interface
- ▶ "Low level", i.e. what happens if i do
`x = open('input.txt').readAll()` ?
- ▶ POSIX vs Win32 vs ??
- ▶ Launching programs, dynamic libraries
- ▶ Communicating with OS / kernel, syscalls
- ▶ HW, IO
- ▶ Files, network
- ▶ IO (input, output)
- ▶ Processes and synchronization
- ▶ Michael Kerrisk, [The Linux Programming Interface](#)
- ▶ Remzi H. Arpaci-Dusseau and Andrea C. Arpaci-Dusseau, [Operating Systems: Three Easy Pieces](#)
- ▶ Andrew S. Tanenbaum, Herbert Bos. [Modern Operating Systems](#)

Labs

- ▶ C / C++, Linux
- ▶ Submitted on [GitHub](#), generally before following week/labs.

Grading

60 labs + assignments
15 midterm
25 final

```
grade = min(0, 9 - points / 10) ["ABCDEF"]
```

<https://dai.fmph.uniba.sk/w/Course:OsProg/sk#Hodnotenie>