- # Network Operating Systems

B(E)6B32SOS

B(E)6B32UOP

Seminars

Introduction - general information & safety in the lab.

- # Warning

Do not enroll to more than one subject, even if the KOS system allows that.

No additional credits will be granted.

If you have done so already, cancel one while there is still time.

- ## Lecturers

Ing. Pavel Troller, Csc.

  - Email: **patrol@sinus.cz**
  - other contacts may be shown/requested during the lectures

Ing. Ján Kučerák

  - Email: **kucerj17@fel.cvut.cz**
  - tel: **+420 224 354 050**
  - Room: **B3-709**

…yes, this is me.

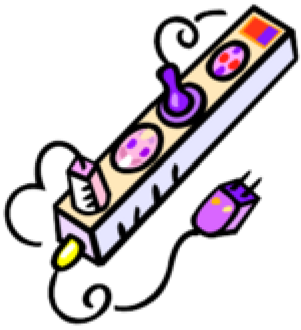
- ## Schedule

1. Initial exercise. Contents of the exercises and safety rules in the classroom.
2. Basic skills. User administration, user access rights, and file permissions.
3. System startup/shutdown. The “`init`” process.
4. The disk sub-system administration.
5. Filesystem administration, swap, RAID, LVM.
6. Linux OS installation, Linux kernel configuration and recompilation.
7. Test
8. Installation and de-installation of programs and packages by compilation or by the package manager.
9. Networking in Linux. `ifconfig`, `route`, `iptables`, `netstat`. Security basics. System

logs.
10. Useful tools, shell scripting, `grep`, `sed`, awk…
11. Programming - `gcc`, make…
12. Test
13. Spare exercise
14. Assessment

- ## Assessment/Credit/Grade
  - The **presence is mandatory**
  - Your assessment is **based on the final test**; getting it allows you to take the oral exam and get Your final grade.
    - Seminar final test grade may have some (but probably not decisive) effect on your final grade. The decision is on Mr. Troller here.
    - If the subject finishes just with a graded assessment, the grade is based only on the final test.

- ## Safety
  - **BEEZB** - Safety in Electrical Engineering for a bachelor´s degree
    - the actual course name may differ depending on actual students year of study / alignment / etc
    - but there is some kind of this “thing” for everyone, and **it has to be valid**
  - This is not just us being mean here, it is the Czech law:
    - Vyhláška 194/2022 Sb. “Nařízení vlády o požadavcích na odbornou způsobilost k výkonu činnosti na elektrických zařízeních a na odbornou způsobilost v elektrotechnice”



- ## Safety in the lab

Did you even read the lab safety rules?
I thought there was room for interpretation.
tied back hair
safety goggles
lab coat
rubber gloves
long pants
closed toe shoes

  - Things that do not belong here
  - No-Smoking/Drinking/Eating
    - drinks in **closable bottles** are allowed
  - The equipment in the lab.
  - The red button
  - Important phone numbers (150,155,158, and most important:**112**)
  - First Aid
  - Fire extinguisher

The k332 server

  - You will get Your personal login credentials to the server:
    - k332.feld.cvut.cz
  - Based on the KOS login
    - By KOS email
    - **Please behave well there!**

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