System Programming
General Information

Şima Uyar   Ayşegül Yayımlı   H. Turgut Uyar

September 2012

General Information

- assistants:
  - Aycan Atak
  - Mustafa Ersen

- course and class information: Ninova
  - resources
  - slides
  - announcements
  - exam results
  - attendance sheet

Topics

- assembly language
  - interfacing with C

- operating system kernel

- device drivers
  - kernel modules

- file system

Weekly Plan

1. C and Assembly
2. C and Assembly (P1)
3. Kernel Architecture
4. Kernel Architecture
5. Lab P1 (P2)
6. Lab P1
7. Device Drivers
8. Device Drivers (P3)
9. Lab P2
10. Lab P2
11. File Systems (P4)
12. Lab P3
13. Lab P3
14. Lab P4

Grading

- exams:
    - labs: $4 \times 13\%$
    - report: 8%
    - final: 40%

- groups of 3 students
- every member of the group will submit project
- every member will prepare one individual report

- ECTS credit: 5 (129 hours)
    - 5 hours each week for projects
    - 2 hours each week for preparing for exams

Evaluation

- attendance $< 70\%$: VF
- two or more labs with < 20: VF
- lab average < 30: VF
- average < 40: FF

Project Software

- ▶ you will need a Linux environment
- ▶ recommended: Ubuntu 11.04
  - ▶ on a VirtualBox virtual machine, or
  - ▶ on a flash disc