



Estonian Information
Technology College

Introduction

Operating systems 1800

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There has been used materials from Margus Ernits, Katrin Loodus when creating current slides.

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Introduction

- Edmund Laugasson, edmund.laugasson@itcollege.ee
 - more at [wiki profile](#)
 - lecturer, supervising theses, reviewing...
 - [IEEE](#), [ACM](#), [Alvatal](#), [EIÕPS](#), [EPSFUG](#), [TDF](#)...
- Please fulfill [the portfolio form referred in wiki](#)
- Please introduce also yourself
 - Your first name and where are you from?
 - Any experience with Linux or Unix CLI?
 - What's your favourite topic related to cyber security?

Operating systems I800

- Gives you: 6 ETC
- Assessment: Exam (both written and oral exam), but most of the grading will be done already during the semester
- Study load: 32 academic hours of lectures, 32 academic hours of lab work, **92 academic hours of independent study**
- Duration of this subject: 16 weeks in spring semester, once a week one lecture and lab two academic hours
- BYOD (bring your own device) for practical work also during lectures

Lectures and labs

- We are all just humans
- This is the basics! No rockets this time!
- If you're lost or fallen behind – ask
- If you're not lost or far ahead – share
- I expect you to participate actively! :)
- Lectures and labs are the time to ask, so others with similar questions will also hear the answer
- There is also course instant messaging available –
[check on the wiki page](#)

Lectures and labs (2)

- In lecture we learn the theory and in labs we put it into practice.
- We will use remote tools for practical lab assignments.
- Lectures and labs will be captured.
- Attendance is not mandatory but I wouldn't enjoy talking to an empty class either :)

What is DevOps?

- Devops is a culture, movement or practice that emphasizes the collaboration and communication of both software developers and other information-technology (IT) professionals while automating the process of software delivery and infrastructure changes.
- Basic understanding of the main topics related to using and administrating a server.
- We will use Ubuntu Linux server in labs.
- Grading will be based on 3 main skillsets: theoretical, practical and written capabilities



Grading

- 100% is made up of:
- Practical lab work (CLI) – 25%
- Lab1 15% and Lab2 10%
- Practical test (CLI) - 15%
- Wiki article in wiki.itcollege.ee environment - 20%
- Exam 40% (20% practical (CLI), 20% oral (theory))
- Extra points (active participation, sharing knowledge, participating in robotics club or in Linux User Group initiative etc)
- And there's more....!

Exam

- Practical - 20%
- ~1 hour
- CLI tasks
- Oral - 20%
- 3 theoretical topics we have covered during the lectures
- Preparation time at least 10 minutes
- Notes are allowed
- Those of you who are on time with their previous work during the semester will have to answer to only one topic of the two. The rest will answer both.

Writing the wiki article

- Choose a topic from personal experience or from topics found on the wiki page
- Send the topic to the lecturer kloodus@itcollege.ee
- Lecturer will confirm the topic
- Write your article in wiki environment
- Inform the lecturer when the article is finished
- Receive feedback with corrections
- Bare in mind that this is an open environment, so everything you write in there, will be public :)

Deadlines

- ... are written in **appropriate section in wiki**
- **Choose** a topic from personal experience or from topics found
- Write the **topic** to the **appropriate section of the wiki**
- Lecturer will **confirm** the topic
- **Write** your article in wiki environment
- **Inform** the lecturer when the article is finished
- **Receive** feedback for corrections
- **Bear in mind that this is an open environment, so everything you write in there, will be public**

Course information in wiki

- Continuously follow the wiki page
 - https://wiki.itcollege.ee/index.php/Operating_systems
- all the course related information is on the wiki page

Links and homework

- Please take seriously also links and reading materials
- especially when you are beginner
- also materials referred on the slides are useful to read

Questions?

Thank you for your attention!

