

SAVONIA

1

Introduction to the course

Cybersecurity Fundamentals

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Cybersecurity Fundamentals

- This course lays the foundation for cybersecurity. After completing the course, the student will be able to
 - explain cybersecurity terminology
 - apply principles of cybersecurity to hardware and software design
 - recognize security threats and understand how they can be prevented
 - know how to assess reliability and feasibility of different cybersecurity methods for hardware and software
- 5 ECTS ⇔ 135 hours of student work
 - 36h lectures
 - 30h labs
 - 4h final exam
 - 65h independent studying outside classroom ⇔ half of the study work happens outside classroom when you study the course book and solve problems
- Required in the class (including exams):
 - Laptop

Course requirements

- Grading of this course:
 - Labs 1-5 (40 points)
 - Assignments (20 points)
 - Final exam (40 points)
 - Minimum points to pass: 50
- Grading scale:
 - Less than 50 points ⇔ fail
 - Minimum 50 points ⇔ grade = 1
 - Minimum 60 points ⇔ grade = 2
 - Minimum 70 points ⇔ grade = 3
 - Minimum 80 points ⇔ grade = 4
 - Minimum 90 points ⇔ grade = 5

Teachers

- Markku Kellomäki
- Jussi Nivamo