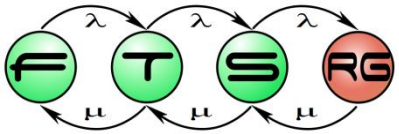
Soft**w**are and **S**ystems **V**erification
(Szoftver- és rendszerellenőrzés)

http://inf.mit.bme.hu/en/edu/courses/swsv

Budapest University of Technology and Economics
Fault Tolerant Systems Research Group



Introduction

Zoltan Micskei (lead instructor)

Istvan Majzik (instructor)

Akos Hajdu (labs, assignment)

Kristof Marussy (labs, assignment)

teaching assistants (lab, assignment)

Structure of the course (2/1/0/v)

- Lecture
  - Presenting problems and methods + exercises
- Lab sessions
  - Trying out tools on smaller exercises
- Home assignment
  - Applying the techniques on a (complex) application
- Exam
  - Summarizing knowledge

Structure of the course (2/1/0/v)

- Lecture: Wednesday 10:15-12:00
- Lab: Thursday 14:15-16:00 (every other week)
  - Two courses on odd and even weeks
  - Days off: 20 Sept. (Sport day), 1 Nov. (Holiday)
- Home assignment
  - Teams with 4 members, using GitHub
  - 3 phases (3rd, 5th, 9th week)
  - See the web page for details
- Exam
  - Written exam: theoretical and practical part

News and information

https://inf.mit.bme.hu/en/edu/courses/swsv/news

- **News only here**
  - No separate Neptun messages
- **Use RSS** 
  - (→ use IFTTT for publishing to other channels)

Requirements

- Lab
  - “Absence should not exceed 30%” -> 1 lab can be missed
  - Assessment: screenshots in the GitHub repository
- Home assignment
  - 0-10 points for every phase, needs at least 4
  - Every phase has to be completed
  - Retake/delays: no retake, no late submission
- Signature
  - (Lab OK) AND (Home assignment OK)
- Final grade
  - 0.5 * Home assignment + 0.5 * Exam

Learning outcomes (LO)

- 3-4 LO assigned to every lecture
  - What are the expected outcomes
  - Helps for exam preparation

- Knowledge level
  - **K1 Remember** (define, list, recognize, identify…)
  - **K2 Understand** (summarize, classify, describe…)
  - **K3 Apply** (use, perform, apply…)
  - **K4 Analyze** (evaluate, assess, integrate, select…)

Details: Declan Kennedy. „Writing and Using Learning Outcomes - A Practical Guide”, 2007

Home assignment

- **Goal**
  - Like working professionally on realistic tasks
- **Expectation** (Master level subject)
  - Not only trivial/practiced tasks
  - More than one possible solution
  - Think, analyze…
  - Ask questions (in breaks, labs, Q2A)
  - Own decisions and arguments
  - 32 hours of work per team member (!)
- **Assessment**: quality and not quantity

Home assignment (team registration)

- Form: see the news

  https://inf.mit.bme.hu/en/news/2018/09/swsv-forming-teams-2018

- Finding team members:
  - LAB0 sessions on this or next Thursday

- Team repositories will be created during labs
  - But LAB0 exercises can be finished remotely