

# TDIU11 Operating Systems

VT 2018

## Course information and overview

Christoph Kessler, IDA

(examinator: **Ahmed Rezine, IDA**)

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## TDIU11 Staff VT 2018

- Examiner, course leader, final lesson  
**Ahmed Rezine, IDA**
- Lectures  
**Christoph Kessler, IDA**, christoph.kessler@liu.se
- Seminar supervisor, group A  
**Filip Strömbäck, IDA**, filip.stromback@liu.se
- Seminar supervisor, group B  
**Simon Mehari, IDA**, simon.mehari@liu.se
- Seminar supervisor, group C  
**Joel Oskarsson**, joeos014@student.liu.se
- Course secretary  
adm-gu@ida.liu.se
- Area manager (Studierektor)  
**Ola Leifler, IDA**, ola.leifler@liu.se

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## Course Organization

- Typically: lectures on Mondays (full class), seminars on Tuesdays (3 groups)
  - This week, lectures 2+3 on tuesday 13-17
- There are problem solving assignments (UPG1, 3hp), article summary assignments (UPG2, 1hp) and a final exam (TEN, 2hp)
  - 5 seminars for problem solving assignments
  - 2 additional seminars for the article summaries
- You will need to:
  - Hand in **two** article summaries, and attend the seminars
  - Solve, and be ready to present, at least **16** problems.  
You will need to **attend** each seminar for which you claim the points.
- Written exam  
with problems similar to those discussed during the seminars.

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## Course Organization

- **Register** in WEBREG before the end of week 3 at:
  - <https://www.ida.liu.se/webreg3/TDIU11-2018-1/UPG1>
  - <https://www.ida.liu.se/webreg3/TDIU11-2018-1/UPG2>

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## Course Organization

### Deadlines:

- Weeks with **assignments**:
  - ▶ **Announce** by **mail** to your seminar supervisor your **solutions** before **23:59** the day (typically Monday) before the seminar. 00:00 is too late.
    - When announcing, send a **clear** sketch of your solutions in the mail (mobile picture ok).
  - ▶ **Attend** seminars for which you claim points.
  - ▶ Assignments will be **solved** on the whiteboard by students.
- Weeks with **article**:
  - ▶ You need to bring a **printout** of your **summary**, together with your discussion questions (no credits otherwise)

## Course Organization

### Advices:

- *Skim through the material before each lecture*
- Be prepared to demonstrate your solutions to the class.

### Plagiarism:

- Problem assignments:
  - ▶ You are allowed, in fact encouraged, to cooperate. If you do not manage to present your solution, you loose all points for that set.
- Article summaries are individual (urkund).
  - ▶ Honest and dishonest authors will be reported to the disciplinary board in case of plagiarism. Properly cite your sources.

## Lecture plan

- F1: Introduction, System calls
  - F2: Processes and Threads
  - F3: Scheduling
  - F4: Memory management
  - F5: Virtual memory
  - F6: File System
  - F7: Protection and Security
  - F8: Recapitulation
- } today  
} tomorrow
- Outlook: Next period:  
TDIU16 with Synchronization and OS labs (Pintos)

## Course literature

### Course book:

Silberschatz, Galvin, Gagne:  
*Operating System Concepts*,  
9<sup>th</sup> edition, Wiley, 2013.

- Earlier editions still useful.
- Not the "... with Java" version!

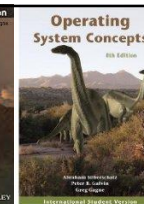
### Course homepage

<http://www.ida.liu.se/~TDIU11>

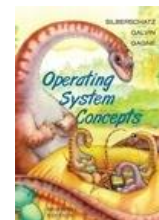
- General information and announcements
- Literature
- Link to group registration system (webreg)
- Assignments and articles
- Schedule
- Slides of lectures and lessons (being updated)
- Reading directions



8<sup>th</sup> ed., paperback



8<sup>th</sup> ed., hardcover



7<sup>th</sup> ed., hardcover