**TDDB68 Staff VT 2015**

- **Examiner, course leader, lecturer**
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- **Lab assistant, group A (D2a); lessons; course assistant**
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- **Lab assistant, group B (D2b)**
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- **Lab assistant, group C (U2)**
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- **Lab assistant, group D (D2, CS, DAV, MMAT, other)**
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- **Course secretary**
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- **Area manager (Studierektor)**
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**Lecture plan**

- **F1**: System calls
- **F2**: Introduction to System Programming in C
- **F3**: Processes and Threads
- **F4**: Synchronization I
- **F5**: Synchronization II
- **F6**: Scheduling
- **F7**: Memory management
- **F8**: Virtual memory
- **F9**: File System

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**Lecture plan (cont.)**

- **F10**: Mass storage, disk scheduling, RAID.
  Operating System Structures.
  Virtual Machines.
- **F11**: Deadlock analysis, detection and avoidance
- **F12**: Protection and Security

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**Lessons**

- **2 introductory C lab lessons ("Lab-0")**
  - Starting Tuesday 20/1 15-17 after the C lecture (gr. A, C, D)
    (for group B on Thursday evening)
  - Given by all assistants in the scheduled computer rooms
    - Pointer programming in C;
    - Debugging with DDD;
    - Lab system installation and test run
  - Mandatory Lab-0 demonstration
- **Lesson 1**: Introduction to Labs 1 and 2
- **Lesson 2**: Introduction to Labs 3 and 4
  given for all students together by Erik Hansson

**Mission-critical for the labs!**

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**Labs 1 – 4**

- **Pintos** (educational OS from Stanford University)
  - 4 lab assignments
  - The lab language is C
- **Working in pairs** (lab team size=2)
  - Both be prepared for each lab session!
  - Need both be able to explain all your own code
- **8 lab groups with up to 16 students each, all in parallel, 2 per assistant**
  - Register for a lab group of your assistant via webreg by 23 January
    (recommended: do it before the Lab kick-off tomorrow!)
  - Times, rooms: see course homepage, query by assistant/group name
- **Lab deadline:** 17 March 2015 (must be passed to get the lab bonus)
Examination

- **Lab series**, 3 hp (ECTS)
- **Written exam**, 3 hp (ECTS)
  - First opportunity: **19 march 2014** 14:00-18:00
  - No aids allowed except:
    - Pocket calculator
    - English dictionary

**Lab Bonus:**
- If you have passed the entire lab series by **17/3/2014**, you will receive a bonus of 4p (= 20% of passing threshold) in each of the 3 exams of 2015.
- Only for participants who first-time registered for TDDB68 VT 2015
- Bonus appears as "Voluntary assignment, 0hp" in LADOK

Course literature

  - Earlier editions still useful.
  - Not the "… with Java" version!
- **Course homepage**
  - [http://www.ida.liu.se/~TDDB68](http://www.ida.liu.se/~TDDB68)
  - General information and announcements
  - Literature
  - Link to lab group registration system (webreg)
  - Lab assignments and documentation material
  - Schedule
  - Slides of lectures and lessons
  - Reading directions (7e, 8e)
  - List of errata for the book (7e)