TDDD25
Distributed Systems

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2025

LINKÖPING UNIVERSITY

Staff 2025

- **Christoph Kessler**, IDA christoph.kessler (at) liu. se
  - Organization, lectures, examinator
- **Anders Märak-Leffler**, IDA anders.marak.leffler (at) liu. se
  - Course assistant, lesson, labs

- **Elena Larsson**, IDA elena.larsson (at) liu. se
  - Course secretary (Ladok reporting)
- **Martin Sjölund**, IDA martin.sjolund (at) liu. se
  - Director of undergraduate studies

Course Moments

- 12 Lectures
- 1 Lesson (prepares for the labs)
- 5+1 Lab assignments (in 7 sessions)

- Credits:
  - Written exam, 4 hp
  - Lab series attended and completed by deadline, 2 hp

Lab Series

- Work in **pairs**.
- **2 passes** (group A, group B) 1 pass in 2025
- Sign up in **webreg** (www.ida.liu.se/webreg) by **Thursday 23/1**
  - We reserve the right to compact and balance groups
  - Attend your group's lab sessions, see the course schedule
- The lab room is reserved (and paid!) for our course during scheduled lab hours.
- Demonstration / lab reports to lab assistant by the **deadline**
- No supervision / demonstration outside scheduled lab hours.
- Be well-prepared!
  Supervised lab time is too costly for reading the instructions …
- **No copying!**

- Lab introduction in the lesson **tomorrow**

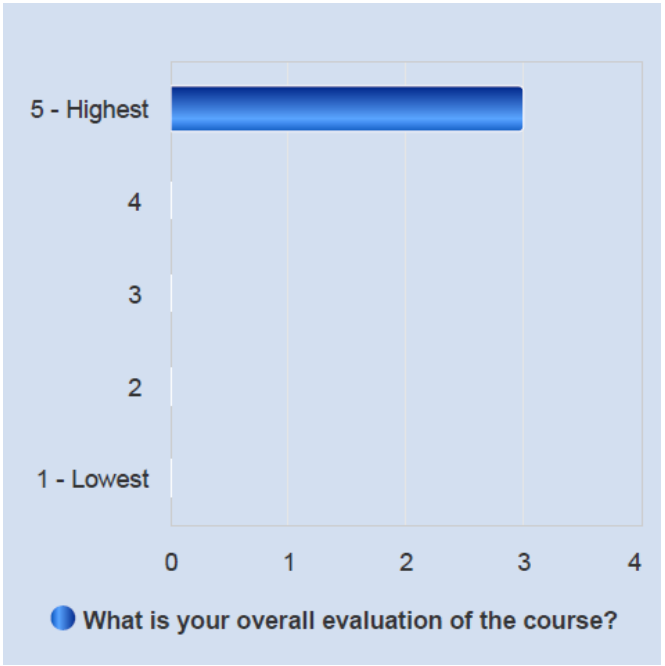
Written Exam

- 24 March 2025, 08:00-12:00
  - Re-exams: 11 June 14:00-18:00,
    29 August 14:00-18:00

Recent Changes in TDDD25

- 2023: New examinator, new course assistant
- 2023, 2024 some updates in the lecture slide material

- 2024: Overall evaluation 5.00 



From Evaliuate, TDDD25 VT2024

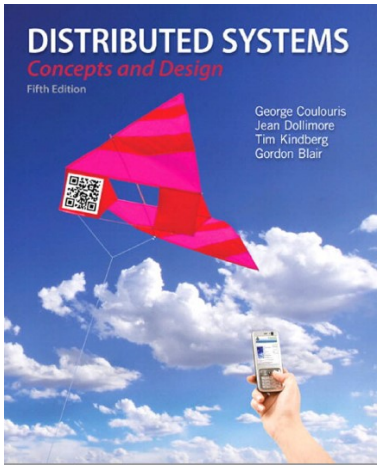
- 2025: fewer students
  → single lab pass,
  but more lab sessions
- Otherwise no changes
  except minor updates in slide material

Course material and homepage

- All information available on the **course webpage:**
  - https://www.ida.liu.se/~TDDD25
    - We do *NOT* use LISAM!
  - Slides
    - NB: slides (topics) are not mapped 1:1 to schedule slots
  - Reading directions

- **Course book**:
  - George Coulouris, Jean Dollimore, Tim Kindberg, Gordon Blair: "*Distributed Systems - Concepts and Design*", Addison Wesley Publ. Comp., 5th edition, 2011

    OR:
  - George Coulouris, Jean Dollimore, Tim Kindberg: "*Distributed Systems - Concepts and Design*", Addison Wesley Publ. Comp., 4th edition, 2005.



- **Lab assignments** on the course webpage / gitlab

Another Master-Level Course …

TDDE65 Programming of Parallel Computers, 6hp

- VT2 (March–May) every year
- Topics include:
  - Parallel computer architecture concepts, esp. clusters
  - Parallel algorithms for High-Performance Computing
  - Parallel thread programming with OpenMP **(Labs)**
  - Message passing programming of clusters with MPI **(Labs)**
  - Tools for performance analysis (**Labs**)
- Labs on Swedens largest (academic) supercomputer (or equivalent), at NSC
- Could be a good complement of TDDD25