Welcome to TDTS06: Computer Networks

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LINKÖPING UNIVERSITY

Course Info

- https://www.ida.liu.se/~TDTS06
- Lectures face2face
- Room in SU rooms finally
  - Labs in groups of 2
  - If you cannot register, contact TA (Dr. Gurjot)
  - Group C on reserve
- Lisam is not in use this year

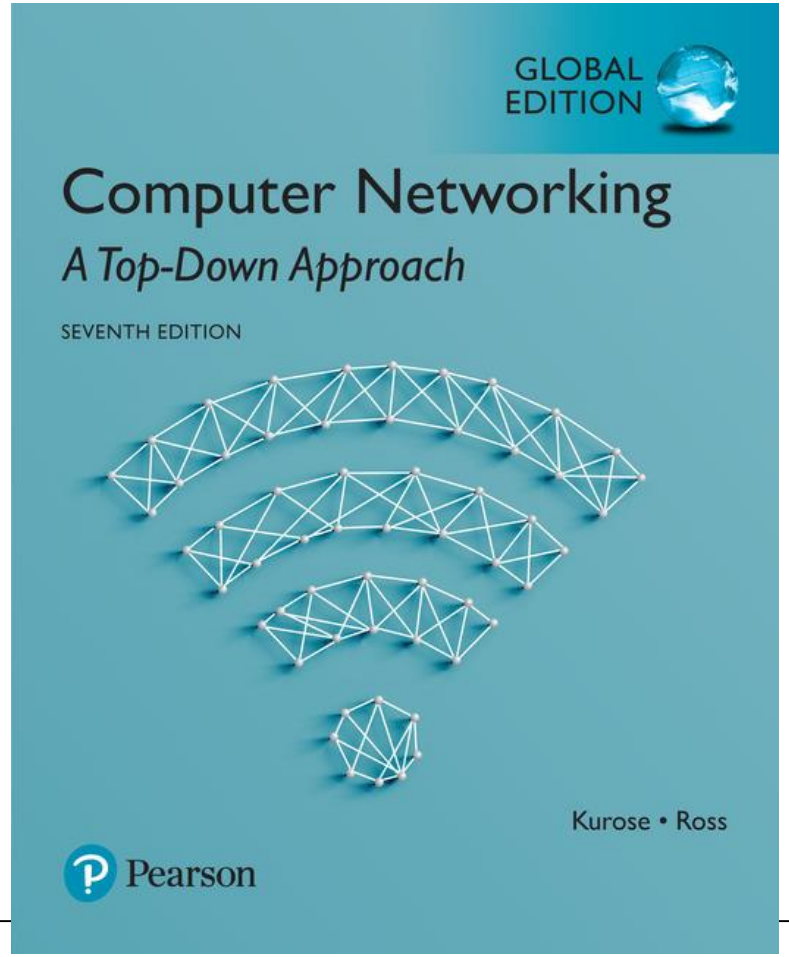
Course Content

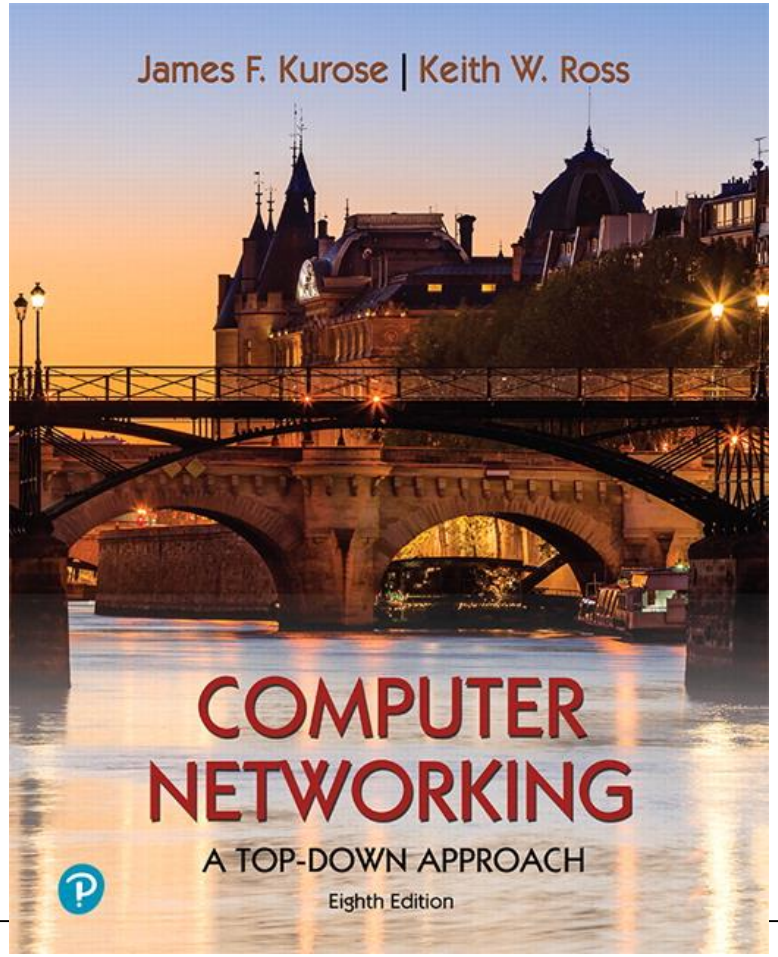
- Written exam (list of questions on web page)
  - Grads: ‘fail’, 3, 4, 5.
- Four (4) mandatory lab assignments
  - Must pass all four labs
  - Eight lab opportunities
  - Please register on webreg right away!! (deadline on Wed)
- One (1) optional assignment
  - Up to 4 bonus marks for exam
- Twelve (12) lectures + one (1) exam prep.
- See website for more information …

About the Lecturer

- Working hard for 25 years to make the Internet better
- Co-author of 8 RFCs, co-chair at Internet Engineering Task Force
  - including NewReno TCP, one of the most used (Berkeley)
- 4 books on 5G, P2P, security protocols, SDN
- ACM Distinguished Scientist
  - Over 200 journal and conference papers
- 15 supervised PhD theses
  - Alumni at Google, SuperCELL, Nokia, Ericsson, VMware
- IEEE Distinguished Lecturer
  - Tours: Puerto Rico, AbuDhabi, Lebanon, Panama, Dominican Republic, …

Course book: 8th edition (or maybe 7th)





http://gaia.cs.umass.edu/kurose_ross/index.php

List of abbreviations

- https://www.ida.liu.se/~TDTS04/timetable/abbreviations.pdf

Why to attend lectures?

- Opportunity to ask questions!
- Demos of protocol animations
- Know which parts/slides important for exam
- Sample exam questions and solutions
- Explanatory real-world examples
- Organize yourself for chapter progress/labs
- Recorded videos available too
  - https://liuonline-my.sharepoint.com/:f:/g/personal/andgu38_liu_se/Eh1nFrZCvgZCqOO9p2hyWzsBSOQ--TXgPqxkb_lZsBmixg?e=33TRDh

Lecturer's Wish List

- Buy/rent and read the textbook
  - Very good textbook, written by highly regarded researchers in the field
  - No time to cover everything during lectures
  - Read the corresponding chapter before the lecture!
- Work hard
  - Pay attention during lectures
  - Make sure you understand the material
  - Start assignments early (some will take time)
  - Ask questions!
- Follow deadlines

Last year's evaluation 2022

- 18 of 45 replied
- Overall grade 4.2 (was 4.46)
- Feedback from students and new research results taken into account
- Recent changes:
  - Pre-recorded lectures available; labs, exams on-site
  - Switching slides to 8th edition
  - Minor updates of labs
  - Updated web material

Lab Updates

- HTTP assignment has received some minor tweaks.
- TCP assignment:
  - Made question 1-12 required to answer (earlier considered “practice questions” and only explicitly answered by some students)
  - Question 13, the most confusing of them all, has been updated to better align with the original question.
- Net Ninny assignment (replaced with Fake News):
  - Updated/removed some text to make the assignment more clear
- Distance Vector Routing assignment:
  - Improved instructions and Java template
  - Working on C and Python versions

What's Next After This Course?

- Consider other course where I teach
  - TDDD17 Information Security, 2nd course, Lecturer and lab leader
  - TDDE21 Advanced Project: Secure Distributed and Embedded Systems, Examiner
  - TDDE53 Bachelor project on Secure Mobile systems, thesis supervisor
- Contact me for Master thesis topics, in LiU or industrial
- PhD positions available after graduation