

Welcome to TDTS06: Computer Networks

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Course Info

- <https://www.ida.liu.se/~TDTS06>
- Zoom link to lectures by email (to avoid misuse)
 - Might be recorded for future use
- Room for labs created in Microsoft Teams
 - Labs in groups of 2
 - If you cannot register, contact TA (Carl Magnus Bruhner carbr307@student.liu.se)
- Lisam (lisam.liu.se) for remote exams and automatic labs (in future)

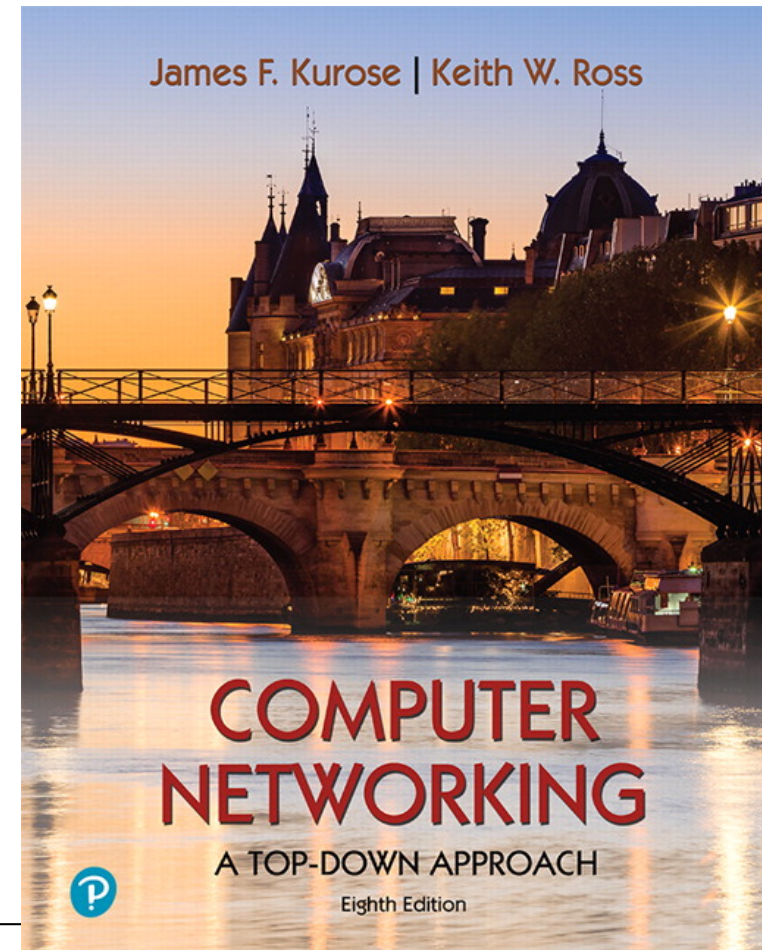
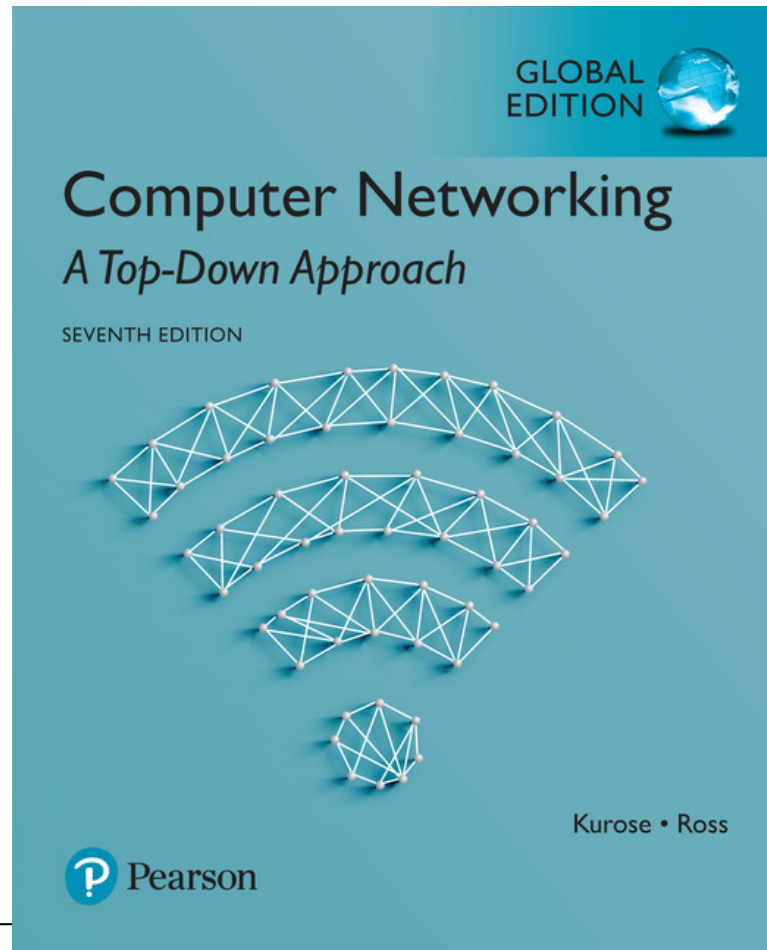
Course Content

- Written exam (remote?)
 - 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 20 years to make the Internet better
- Co-author of 5 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, Novosibirsk

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



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

Lecturer's Wish List

- Buy 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! Double hard to keep contact in remote mode...
- Follow deadlines

Last year's evaluation 2019

- 16 of 54 replied
- Overall grade 4.06
- Feedback from students and new research results taken into account
- This year's changes:
 - Distance mode – lectures, labs, exams...
 - Switching slides to 8th edition
 - Major updates of labs
 - Updated/streamlined 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
 - TDDD82 Bachelor project on Secure Mobile systems, thesis supervisor
- Contact me for Master thesis topics, in LiU or industrial
- PhD positions available after graduation