

Internet Protocols

- ETSF10 -

Jens Andersson, 2015





LUNDS
UNIVERSITET

ETSF10 – Internet Protocols

- <http://www.eit.lth.se/course/etsf10>
- Optional for D, E, WMSc students, 7½ credits
 - ETF10
- In parallell with ETF05
 - Obligatory for C2 students, total 9 credits
 - Second study period of two



LUNDS
UNIVERSITET

Course Objectives

- Understanding the Internet
- Practice with networks and protocols
- Critical judgement of theory and praxis



LUNDS
UNIVERSITET

Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri	
Lec.1					Lec.2		Exc.1	Exc.2		
	Online Discussion									Quiz
Home Project									→	

Quizzes run Fri-Mon

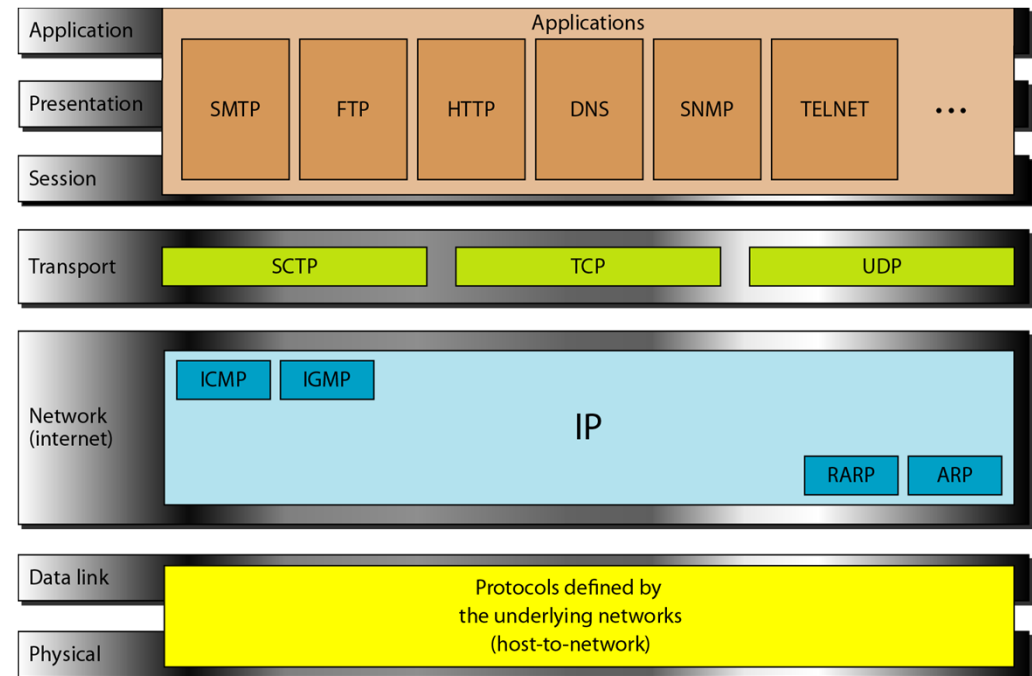
Course Structure

- 3 learning cycles (2 weeks each)
- **2 home projects in groups of (1 -) 2**
- **Exam:**
 - **3 quizzes, 3 online discussions (mark 3 or 4)**
 - **Mark 5: Grad 4 + optional home assignment**
 - **See course program**



Lectures and Exercises

- Group 1
 - Internet routing
- Group 2
 - Transport layer, TCP
 - Network layer, IP
- Group 3
 - Application layer
 - Performance/Qos





LUNDS
UNIVERSITET

Online Discussions

- Homework
- Via EIT moodle system
 - Significant contribution!
 - Answer to the question!
 - Reflect on other's answers!
 - Discuss!
- Mandatory



LUNDS
UNIVERSITET

Online Quizzes

- Homework
- Via EIT moodle system
- Sum of all 3 quizzes is condition for pass, mark
- Same rules apply as in a written test
 - Individual work **(no groups)**
 - Original answers **(no copy/paste)**



LUNDS
UNIVERSITET

moodle

- <http://elearning.eit.lth.se>
- Sign in with STiL id
- Enroll to course:
 - Enrollment key: ipproto15



LUNDS
UNIVERSITET

Mandatory Home Projects

- Routing Lab (ETSF10 only)
 - Registration via course's website
 - More on this following the introduction
- TCP Lab (both courses)
 - Uses Wireshark
- ETF10 have overlapping timelines!
 - Check preliminary deadlines in the time schedule!



Workload Distribution

7,5 credits	200 h
Lectures and exercises	18 h
Online discussions and quizzes	20 h
Routing project (~5 days)	40 h
TCP project (~2 days)	16 h
Self study time (incl opt home assignment)	106 h



LUNDS
UNIVERSITET

Literature

- Data and Computer Communications
 - William Stallings
 - 10th intl. ed., Pearson
- Links via course home page
- Extra material via moodle



LUNDS
UNIVERSITET

Staff

Course head:	Jens Andersson
Exercise supervisor:	Dimitrios Vlastaras
Lab supervisor:	William Tärneberg
Lab supervisor:	Eduardo Medeiros
Course secretary:	Marianne Greiff Svensson



LUNDS
UNIVERSITET

Final Remarks

- Last minute *minor* changes might occur. Stay tuned **via email!**
- Elect two course representatives (D, E, W_{MSc})
 - Give them feedback
- Participate in discussions
 - Help us for interactive lectures
- Course evaluation
 - Help us to improve the course

Most Important

Plan ahead your time!

ENJOY THE COURSE!