

Internet Protocols

- ETSF10 -

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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, 7 ½ of a total of 9 credits
 - ETF05



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Course Objectives

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



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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

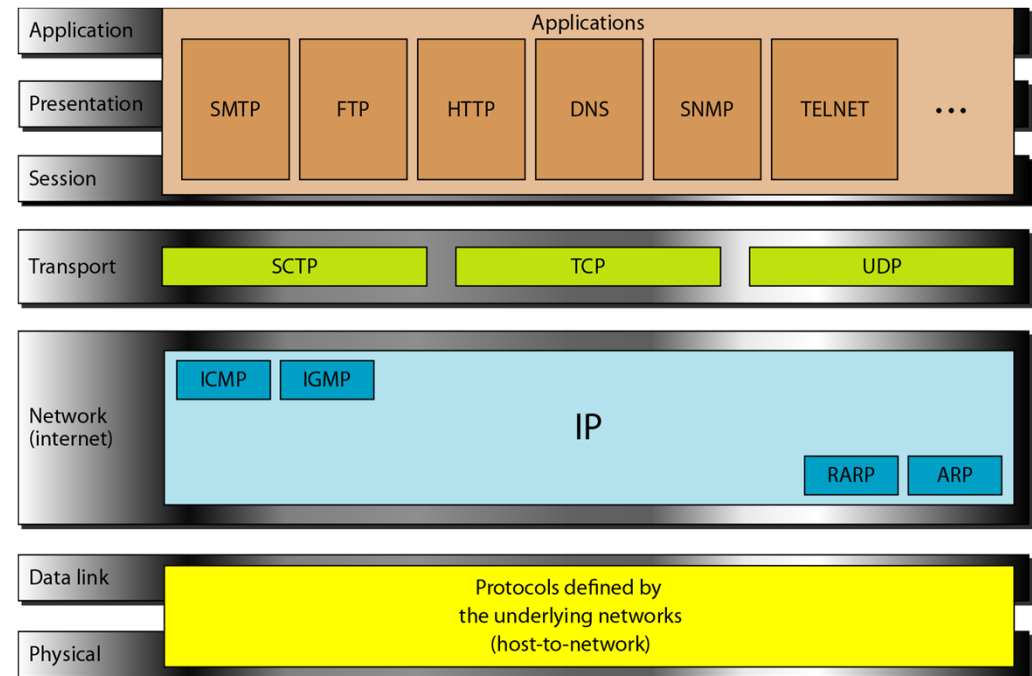
Course Structure

- 3 learning cycles (2 weeks each)
- **2 home projects in groups of (1 -) 2**
- 1 optional project in groups of (1-) 2
- **1 final exam (or 3 quizzes)**
 - See study guide



Lectures and Exercises

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





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Online Discussions

- Homework
- Via EIT moodle system
 - Significant contribution!
 - Answer to the question!
 - Reflect on other's answers!
 - Discuss!
- Optional, but mandatory for Quiz grading



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Online Quizzes

- Homework
- Via EIT moodle system
 - **Significant discussion contribution required**
- Same rules apply as in a written test
 - Individual work **(no groups)**
 - Original answers **(no copy/paste)**



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moodle

- <http://moodle.eit.lth.se>
- Enrollment key: intproto14



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Mandatory Home Projects

- Routing Lab
 - Registration via course's website
 - More on this following the introduction
- TCP Lab
 - Uses Wireshark
- Overlapping timelines!
 - Check deadlines in the time schedule!
 - Not always the same for ETSF05 and ETSF10



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Design Project

- Optional
- Deeper individual study



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Marks

- Mark 3
 - Pass 2 lab projects AND
 - Pass 3 midterms OR final exam part A
- Mark 4 and 5
 - Pass final exam part B (grade +1)
 - Pass Design Project(grade +1)



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Bonus Programme

- For each quiz you passed, you are exempt from the corresponding section of final exam part A.
- If you passed all 3 quizzes, you pass the course with mark 3.



Workload Distribution

7,5 credits	200 h
Lectures and exercises	26 h
Online discussions and quizzes	6 h
Routing project (~5 days)	40 h
TCP project (~2 days)	16 h
Design project (opt.) (~4 days)	32 h
Self study time	80 h



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Literature

- Data and Computer Communications
 - William Stallings
 - 10th intl. ed., Pearson



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Staff

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



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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



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Most Important

Plan ahead your time!

ENJOY THE COURSE!