



S-38.188 Computer Networks Spring 2003 Exam Guide

188examGuide.ppt

© Pirkko Kuusela

1

S-38.188 - Computer Networks - Spring 2003

Study Guide

- Book: L. Peterson, B. Davie, "Computer Networks: A Systems Approach", 2nd edition
- Required reading from the book
 - Chap 1: all except 1.3
 - Chap 2: all except 2.9
 - Chap 3: all except 3.1.4, 3.4
 - Chap 4: all except 4.3.4
 - Chap 5: all except 5.2.8, 5.3
 - Chap 6: all except 6.5.4
 - Chap 7: ONLY ASN.1 in 7.1.2
 - Chap 8: all
 - Chap 9: all

2

Division According to Lecture Schedule:

- Lecture 1
 - Chap 1: all except 1.3
- Lecture 2
 - Chap 2: all except 2.9
 - most important parts: stuff on LANs, hubs, bridges, LAN switches
 - don't need to know algorithms in detail
- Lecture 3
 - Chap 3: all except 3.1.4, 3.4
- Lecture 4
 - Chap 4.1
 - don't need to know algorithms in detail, knowledge of the main ideas and mutual differences is enough
- Lecture 5
 - Chap 4.2.1-4

3

Lecture Schedule (cont.)

- Lecture 6
 - Chap 4.3.5, 4.2.5, 4.4
- Lecture 7
 - Chap 5.1 - 5.2
- Lecture 8
 - Chap 6.1 - 6.4
- Lecture 9
 - Chap 6.5.1 (partly) – 6.5.3
- Lecture 10
 - Chap 8
 - no details about DES or MD5 algorithm, RSA algorithm is required
- Lecture 11
 - Chap 9.1, 9.2, 7.1.2 (ASN.1)
- Lecture 12
 - Chap 6.5.1 (partly), 9.3

4

About Exam

- Required material:
 - lectures, book, preproblems, project work
- Remember!
 - The course is **NOT** about algorithms and packet formats, but ...
 - about being able to explain the different mechanisms and ideas which make the Internet work
- Exam question prototypes:
 - Explain briefly what XYZ is?
 - Calculations (something like in preproblems)
 - Partial essays (essays divided in a,b and c parts)
 - TCP trace + explanation (related to project work or book)