S-38.188 Computer Networks
Spring 2003 Exam Guide

Study Guide


• 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
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

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
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)