

Network Protocols and Services

Introduction

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- Schedule

- ◆ Lecture: 19:00 – 22:00 (Friday)

Syllabus

- Introduction to Network, Local Delivery
- Local Address Resolution
- Remote Delivery, Reliability
- Remote Address Resolution
- Protocol Stacks and File Transfer
- File Sharing
- File Sharing (NFS), Printing and Messaging
- Naming (X.500)
- Naming (DNS)
- Application, COBRA, OSI Model

Assessment

Online Practical Test	10%
Minor Assignment	10%
Research Assignment	20%
Practical Assignment	20%
Examination:	40%

Total: 100%

Study Approach

Lecture	30 hours
Online Practical Test	10 hours
Minor Assignment	10 hours
Research Assignment	50 hours
Practical Assignment	20 hours
Self Study	80 hours

Total: 200 hours

Course Outline

- 1 Test, 3 Assignments and 1 Examination
- Topics selected will be based on materials taught in classes and possibly some external research
- You are required to exercise initiative and research to maximize your marks.
- You are encourage to exchange ideas and discussions but NOT copying.
- More information will be given at a later date.

Do and Don't

- **Do not turn on your mobile**, pager or any form of alarm that will distract your fellow classmates.
- **Do not make any unnecessary noise** unless you have just found out you won a 3T!
- **Do turn up on time** to avoid unnecessary distraction.
- Do exchange ideas and discussions on assignments but **NOT copying**. You are here to LEARN not copy. You will be severely dealt with if caught cheating under the university disciplinary action.
- **Do enjoy and learn from the course.**

References

- Chappell & Hakes, Netware LAN Analysis. Novell Press, 1994
- Hsu, John Y. Computer Networks: Architecture, Protocols & Software. Artech House Incorporated, 1996
- Kavanagh, Martin. Enterprise Networking: Strategies & Transport Protocols. Prentice Hall, 1995
- Miller Fre, LAN Tutorial: A Complete Introduction to Local Area Networks. LAN Magazine, 1996
- Naugle, Matthew, Local Area Networking Concepts, Prentice Hall, 1995
- Stallings, William, Local Networks, Maxwell Macmillan & Williams, 1987