

What is this course about?

Comprehensive introduction to computer networks

- > learn principles of computer networking
- > learn practice of computer networking
- > Internet architecture/protocols as case study

Goals:

- learn a lot (not just factoids, but principles and practice)
- have fun (well, it should be interesting, at least)

Course Information
Who is this course for?

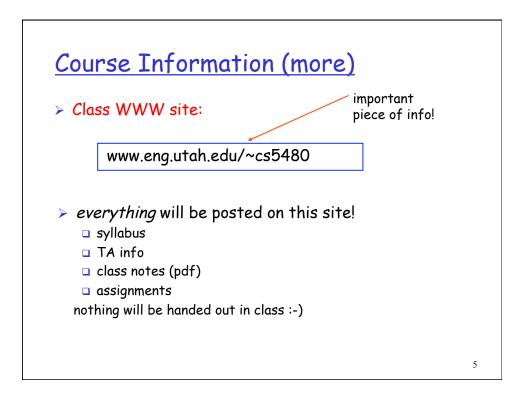
Undergrads/Grads
Prerequisites:
good programming skills, some knowledge of Unix (or Unix -like) operating system

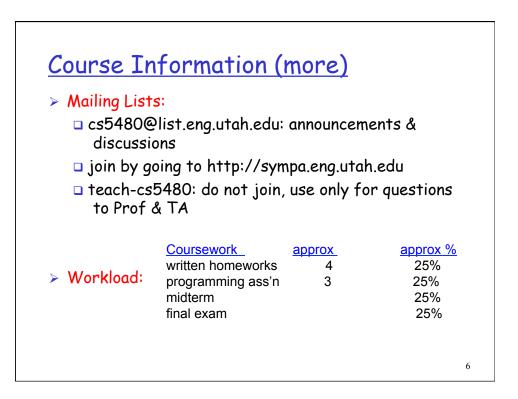
Course materials:

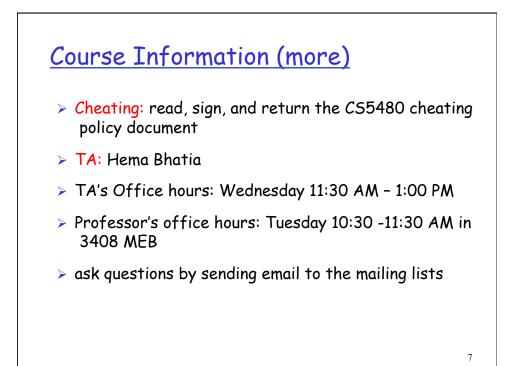
text: Computer Networking: A Top Down Approach, 5th Edition, Jim Kurose & Keith Ross, Addison Wesley, 2009
class notes (modified version of slides provided by Jim Kurose & Keith Ross)
cs6480 - additional reading material

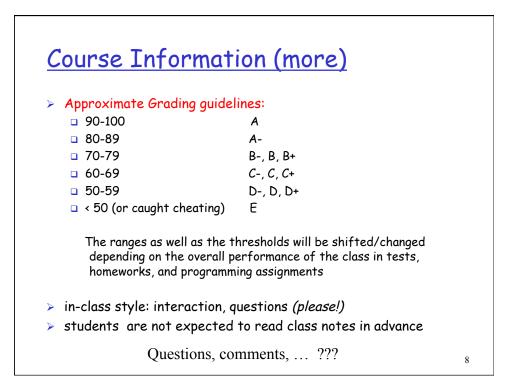
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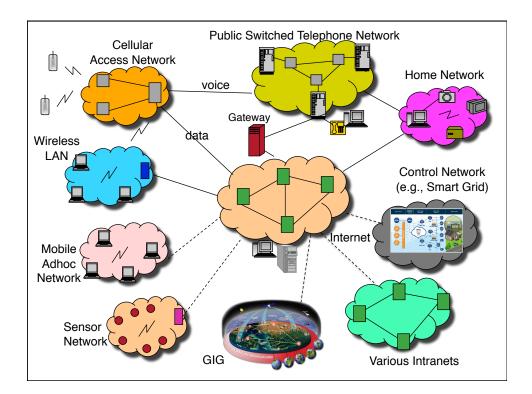
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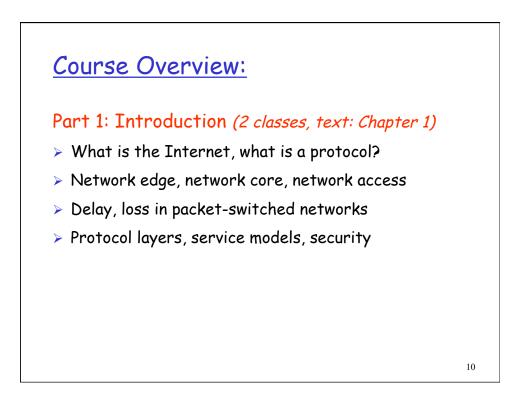


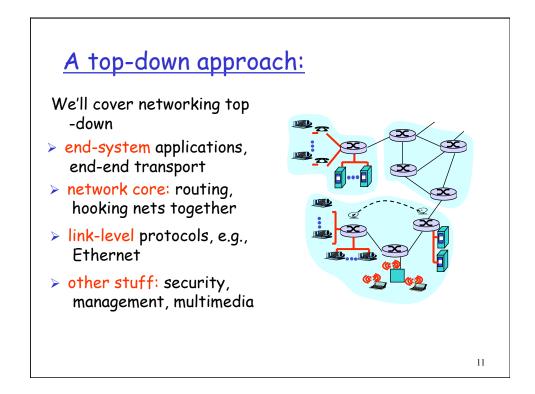


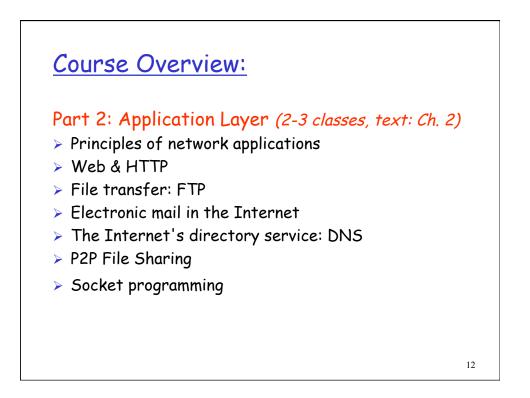










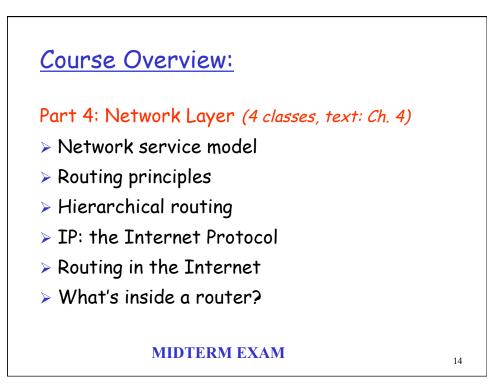


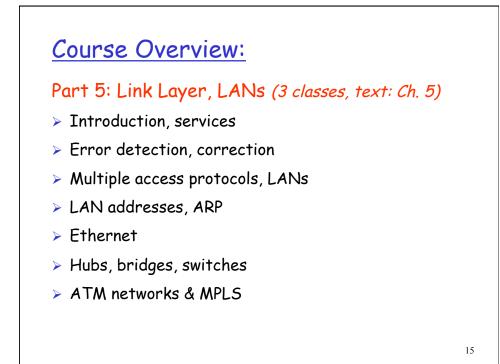


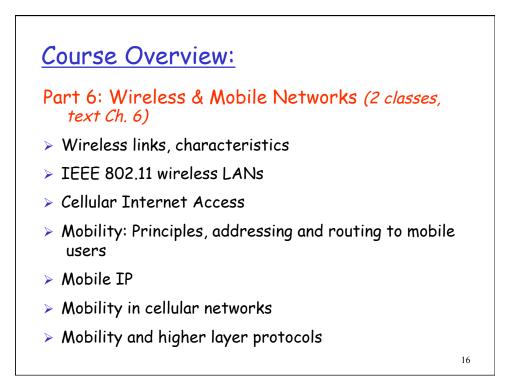
Part 3: Transport Layer (3 - 4 classes, text Ch. 3)

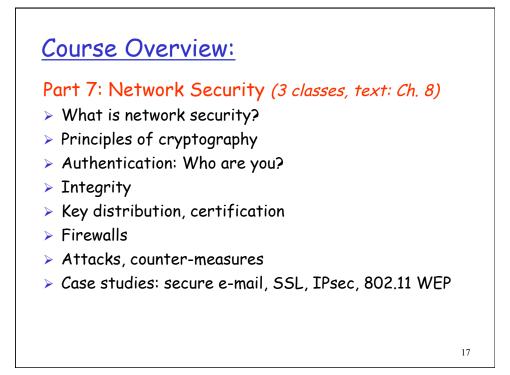
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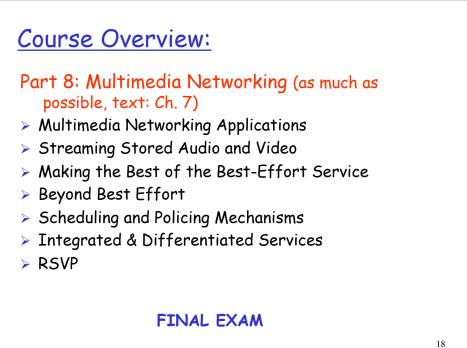
- > Transport-layer services and principles
- > Multiplexing and demultiplexing applications
- > Connectionless transport: UDP
- > Principles of reliable data transfer
- > TCP case study
- > Principles of congestion control
- > TCP congestion control











I keep six honest serving men. They taught me all I knew. Their names are What and Why and When and How and Where and Who.

-- Rudyard Kipling

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