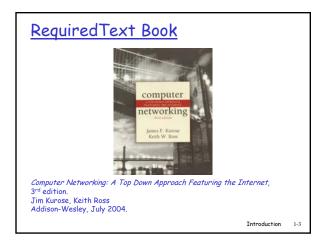
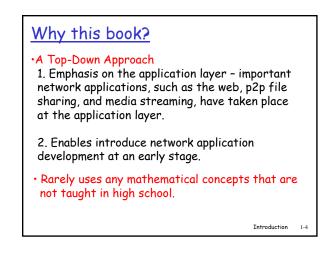
Ask for Help **Computer Network Applications** •Instructor: Dr. Hui Xiong Office Hours: Ackerson 200K, T Th 4:00-5:00pm (29:623:375:01)Office Phone: 973-353-5261 Fall 2008 Email: hxiong@rutgers.edu TA: Yong Ge Instructor: Dr. Hui Xiong http://datamining.rutgers.edu Office Hours: Ack. 2rd floor Cubic, Th 11:00-12:00pm Email: yongge@pegasus.rutgers.edu Introduction 1-1 Introduction 1-2





Course Motivations

• Data communication technologies have a central role in the economic and social structures of the modern society.

They have the impact on business processes, organizational structures, and the way people do business, work, and communicate with each other. Examples like Google, Amazon



Course Objective

•The course is an introduction to the fundamentals of data communications technologies and to the business opportunities and challenges presented by these technologies.

• The course covers a balanced mix of data communications fundamentals, emerging data communications technologies and business and IT

management concepts.

• The course aims to develop a coherent understanding of the fundamental data

communications concepts and technologies.

Introduction 1-7

<u>Course Web Site</u> • http://datamining.rutgers.edu/teaching/fall2008/CNA/375.html

This web site is the location for course documents, assignments, announcements and other information. You should check it frequently to remain updated. You are responsible for keeping aware of the announcements on the course web site.

Introduction 1-8

Grading Policy

In-class work (including attendance) Assignments Projects Midterm Exam Final Exam	20% 20% 20% 20%	
	Introduction	1-9

<u>Attendance</u>

Regular attendance is compulsory. You are <u>not</u> allowed to check your emails, access Web sites not related to the course or work on something that is beyond the scope of this course during the class time.

Introduction 1-10

Assignments

You may have discussions with your class members,

but you have to submit your own work. Please be sure to keep a copy of the assignment by yourself in case that there is any problem with your hand-in or you have to use it later this semester.

Assignments have to be submitted <u>before</u> the beginning of the class on the specified due day. <u>No</u> <u>late submissions will be accepted</u>. For assignments and project reports, you are

assignments and project reports, you a

encouraged to type your work.

Introduction 1-11

<u>Exams</u>

There will be no make-up exams. You are

required to present a written proof for situations such as going on to an emergency room due to unexpected and serious illness.

Chatting during the exam is <u>not</u> allowed. <u>Email communication during the exam will be</u> <u>considered cheating</u>. <u>No</u> collaboration between class members will be allowed during any exam. There will be <u>no</u> extra-credit project.

Scholastic Dishonesty Policy:

The University defines academic dishonesty as cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Scholastic dishonesty also includes, but not limited to, providing false or misleading information to receive a postponement or an extension on assignments, and submission of essentially the same written assignment for two different courses without the permission of faculty members.

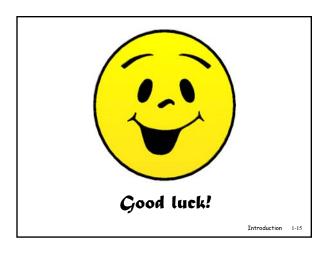
The purpose of assignments is to provide individual feedback as well to get you thinking. Interaction for the purpose of understanding a problem is not considered cheating and will be encouraged. However, the actual solution to problems *must* be one's own.

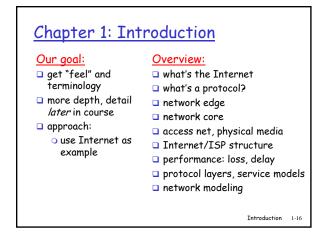
Introduction 1-13

Helpful Comments

To get full benefit out of the class you have to work regularly. Read the textbook regularly and start working on the assignments soon after they are handed out. Plan to spend at least 10 hours a week on this class doing assignments or reading.

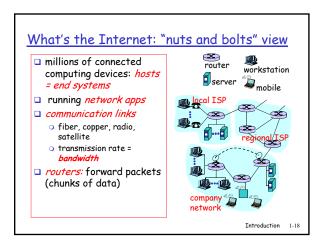
Introduction 1-14

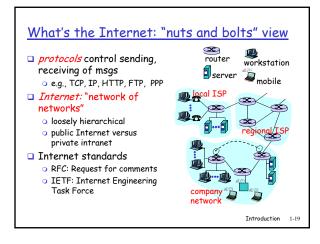


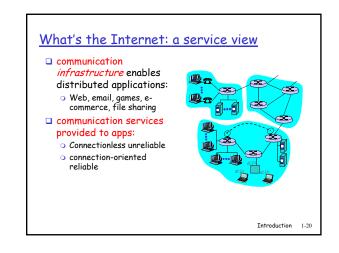


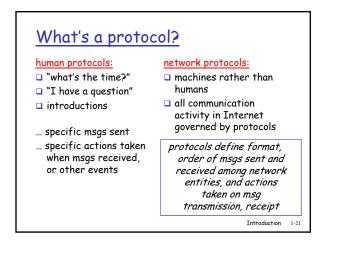
Chapter 1: roadmap 1.1 What *is* the Internet? 1.2 Network edge 1.3 Network core 1.4 Network access and physical media 1.5 Internet structure and ISPs 1.6 Delay & loss in packet-switched networks 1.7 Protocol layers, service models

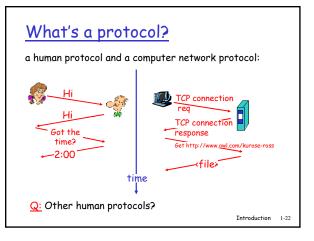
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- 1.8 History











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