CS 179.12
Special Topics in Multimedia:
Distributed Multimedia

Administrative Stuff

SY 2005-2006
Agenda

- Instructor Background
- Student Background
- Syllabus
- Course Structure
- Why this Class?
Instructor Background

• William Emmanuel S. Yu
  – SVI Technologies Inc
  – Information Systems and Networks

• Research Interests
  – Information Security
  – Network Engineering and Alternative Networks
  – High Performance Computing
Student Background

- Technical Variety
  - Interested in the engineering aspect of things
  - Thinks programming is cool!
  - Depth Learning

- Management Variety
  - Focuses on the system level thinking
  - Breadth Learning
Syllabus

• Very Brief Overview of Data Networking
  – Internet, LAN, WAN, Quantization

• Taxonomy of Multimedia Applications

• Levels of Multimedia Interaction
  – Image, Audio, Video
  – Reactive, Interactive
Syllabus

- Shared Workspaces
  - Bulletin Boards, Wiki, Blogs, CMS

- Audio-Video Conferencing
  - Voice-over-IP, Video-over-IP, MM-over-IP
  - H.323 and SIP

- Multimedia server-based Applications
  - Audiocast, Videocast, Internet TV, MMORPG
Syllabus

- Networking Requirements
- Networking Solutions for Multimedia
- Special Topics
  - Cross Media Interaction
  - Intellectual Property
  - Digital Rights Management
  - Next Generation Appliances
Course Structure

• Focused on developing new ideas!

• Grading
  - Quizzes, Homeworks and Assignments - 20%
  - Long Exams - 40%
  - Major Group Report - 20%
  - Final Project Output - 20%
House Rules

- No eating in class
- You can “discretely” drink in class
- Observe proper campus dress code
- Turn-off computers after class
- Problems you leave outside
- Good ideas are welcomed!
Why this Class?

• Common Reasons
  - Multimedia Elective
  - No other choice? Forced to take this elective?
  - Curious?

• Good Reasons
  - Improve access and use of multimedia
  - Learn new things! Fun!
Questions and Comments