CIS 607 Syllabus
Seminar on Internet Research | Fall 2002
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Course Info
Prerequisites: CIS 432/532 or instructor approval
Time: Fridays, 10:00 - 11:50 a.m.
Location: 200 Deschutes
Credits: 2, P/NP only
Office Hours: Tuesdays, 10:00 - 11:50 a.m., 334 Deschutes
Web page: http://www.cs.uoregon.edu/classes/cis607inet

The course aims to have a broad overview of the most representative research subjects related to the Internet, including both classical issues and the state-of-the-art research topics.

Fall 2002 Schedule
* Week 1: Early history of the Internet
* Week 2: IP: the hourglass
* Week 3: Routing over the Internet
* Week 4: End-to-end design
* Week 5: TCP and congestion control
* Week 6: Peer-to-peer networking
* Week 7: Active networking
* Week 8: Ubiquitous computing
* Week 9: Measuring the Internet
* Week 10: Internet security

Course Design

Weekly reading summary
Each week we will have one, perhaps two, assigned paper regarding a specific topic (check the class web page for current assignment). Every student is expected to read the paper and write a reading summary, and email that to the instructor before the class starts. In case there is more than one paper, simply pick one you prefer.

The reading summary of a paper, preferably 300-500 words, should state the problem or topic that a paper addresses, briefly describe the solution or direction that the authors come up with, and comments on the paper (such as its strength and the weakness).
**Class participation and presentation**
During the fall term, every student also needs to make a 20-minute presentation on the topic for a chosen week, mainly by summarizing and commenting the paper he has just read for the week.

Every student should email the instructor before 10/10/2002 on one of which three weeks (week 2-10) s/he prefers to do the presentation, then will be assigned a specific week.

**Class project**
Every student needs to do a little class project. Given that this is a 2-credit course, a class project is deemed satisfactory as long as the student has:
- identified a problem to solve
- proposed a sound or interesting solution, and
- compared with related works
Implementation or measurements are not required, but certainly encouraged if a student would like to see some interesting results. Talk to me before you do that.

Team work of 2-3 persons are highly encouraged. Every team needs to give a 5-10 minute presentation on what they plan to do, no later than the fourth week of the term (10/25/2002). A 2-page project progress report is due 11/8/02 and a 5-page final report is due 12/10/2002.

**Grading Policy**
Pass or not pass. You have to pass each of the following in order to pass the course.
- Weekly reading summary
- Class participation and presentation
- Class project

No mid-term exam. No final exam.