

## CS 422: Computer Networks (Spring 2008)

## Time and place

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TTh 4:30--5:45 pm (LWSN B134)

M 3:30--5:20 pm (LWSN B131, PSO)

T 1:30--3:20 pm (LWSN B131, PSO)

## Personnel

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Instructor: Dr. David Yau, LWSN 1165, [yau@cs.purdue.edu](mailto:yau@cs.purdue.edu)

Instructor office hours: TBA

TA: TBA

TA office and office hours:

TBA

Note: The preferred method to reach the teaching staff is as a group, by email to [cs422@cs.purdue.edu](mailto:cs422@cs.purdue.edu)

## Newsgroup and homepage

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Newsgroup -- [purdue.class.cs422](mailto:purdue.class.cs422)

course homepage --

<http://www.cs.purdue.edu/homes/cs422>

Note: Please check the homepage and newsgroup regularly as they contain important information/announcements about the course

## Grading Plan (tentative)

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Homeworks 35%

Quizzes 5%

Midterm exam 30%

Final exam 30%

Notes: Weights to individual assignments will be different according to their length and complexity

## Course synopsis

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CS422 is a first introduction to computer networking. A solid CS background, commensurate with junior/senior standing in computer science, is assumed.

The emphasis of the course will be on the software and protocol aspects of computer networks. Topics will be introduced principally in a top-down fashion, and will include application, transport, network, and data link protocols. Additional topics such as quality of service and network security will also be introduced as time permits.

The physics/signal processing aspects of the underlying physical layer communication between machines will NOT be a focus. Students interested in the low level issues should take courses in computer communication offered by, for example, the ECE department.

The course work will include two exams and periodic homeworks given throughout the semester. The homeworks will include hands-on programming assignments/projects. Team projects are possible.

Note: PSOs will NOT meet in the first week.

#### Computer Accounts

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You will need a CS lab account for CS 422.  
To get your account, please visit

<https://portals.cs.purdue.edu>

Log on with your Purdue career login and password. Then follow the instructions.

We strictly follow the academic integrity policy on the course homepage. All submitted code will be run through an automated tool to check for code similarities between submissions or between a submission and any public code or code from past semesters.

Projects and assignments are turned in by the `turnin` command. It is the students' responsibility to learn `turnin` and make sure that their submissions are successful. Unsuccessful `turnins` do NOT justify late submissions of work.

### Assignment policies

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1. Unless explicitly stated otherwise, no collaboration is allowed.
2. No copying from any source (including code from past semesters, the Internet, etc) except the course textbook, the course notes, and the code provided by the teaching staff expressly for that assignment is allowed. Any code that you submit that is not yours must be explicitly and clearly acknowledged to the teaching staff. Any other form of copying from unauthorized sources is considered cheating and will result in serious penalties.

Note: The course textbook means, Kurose and Ross, Computer Networking 4/e, Addison-Wesley. Use of code from any other textbook, without express prior approval, is NOT allowed.

3. Homeworks can be submitted at most two days late, at 15% and 25% penalty, respectively. Homeworks more than two days late will not be graded and will earn no credit.
4. Any dispute on homework/project grading must be registered within three days the work in question is returned. All grades are final after that.

### Contingencies

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All students must turn in their work and attend exams at the scheduled times. Exceptions will only be granted under extreme circumstances and with supporting documents. If you require an exception, you need to speak to AND get written approval from

the instructor as soon as possible, and before the affected work is due. There is NO makeup for missed work without prior approval.

## Textbook

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James F. Kurose and Keith W. Ross, Computer Networking (A Top-down Approach), 4/e, Addison-Wesley, ISBN 0-321-49770-8 (Required)

## Course notes

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Course notes for the textbook are available for download at the book's website:

[http://wps.aw.com/aw\\_kurose\\_network\\_4](http://wps.aw.com/aw_kurose_network_4)

through the link "Student Resources". Additional course notes by the instructor will be available for download from the course homepage.