CS 331 Computer Networks

Instructor: Ying Li
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Bi-weekly projects: 50%

- Assigned usually on Tuesdays, and the usual deadline is *the midnight of the second Tuesday after the project is assigned*.

- Projects will be posted on Moodle. Every project has two parts, a problem set and a programming assignment, and is graded based on a 50-point scale. The problem set counts 20 points, and the programming assignment counts 30 points. If you complete the required tasks well, you can get 26/30. You should finish one or more extensions if you’d like to get 90% or above for your programming assignment.

- You are expected to finish problem sets individually and are strongly encouraged to work with a partner on the programming assignments. *Please let me know whether you will work in a group and your partner’s name if so by next Friday (Sept. 15, 2023).*

- Late programming assignments will receive a maximum score of 26/30. Problem sets will be *closed automatically at midnight of the due date*. Open attempts will be automatically submitted when time expires.

- *One four-day extensions* for you to use at your discretion over the semester (except the final project). Let Ying know before the deadline if you want to use the extension.
Coursework & Evaluation (cont.)

✧ One midterm: 20%

- One hour exam on Tuesday, Oct. 24 during the class time
- You can bring one letter-size cheatsheet to the exam.
- A mock exam will be assigned a week before the midterm for you to practice. You don't need to submit your mock exams. But, I strongly encourage you to try them before we discuss them in class.
- The midterm may be made up when a prior request is made or there is a documented health issue. Please contact me immediately in the event of illness and other unforeseen circumstances, we will work out accommodations.
Coursework & Evaluation (cont.)

✧ Final Exam: 20%

- *Oral*: finish it individually; no make-ups
- Details will be given in the last class.

✧ Participation: 10%

- You are expected to *attend every lecture* and *actively join the class discussions*.
- If you have to miss one or more lectures for any reason, please let me know in advance. I’m happy to work with you. You also need to arrange another time to read the lecture notes and finish coursework on time. You will not lose participation credits if you let me know beforehand.
- Lecture notes and homework assignments will be posted in the [Notes](#) section of the course webpage.
- Participation also includes coming to my office hours or sending me emails for help. Don’t hesitate to *come to my office hours* or *email me*. I’m happy to help if you let me know your questions.
How to Succeed

✦ **Projects:** Start working on the projects as early as possible. Ask me for help if you need. Talk with your peers about the course concepts.

✦ **Midterm:** Study for the midterm by doing the mock exam and reviewing the relevant topics in the lecture notes. You are strongly encouraged to try out the mock exam before we discuss the solution in class.

✦ **Final Exam:** Learn at least two of the topics we discussed in class well enough during the semester, letting yourself feel comfortable talk about these topics. Start working on the exam early after it's assigned.

✦ **Participation:** Be active in class, asking questions and joining discussions. Come to office hours. Ask me for help.
Help Outside of Class

✧ How to get help from Ying

• Ying’s Office Hours:
  ‣ MW 2:00 - 3:30 pm, TR 11:00 - noon

• Email: yingli@colby.edu
  ‣ If you don't receive my response 24 hours after sending the email, please don't hesitate to "ping" me. Your email is important to me.
All the information on these slides is available on the course webpage: Go to: cs.colby.edu; Click: CS331 lecture link

You can find all the course information, lecture notes, assignments, and more on the course webpage.
Course Outline

Networking Fundamentals

Basic Concepts

Application Protocol Design and Implementation

Network Security

Principles of Reliable Transport - Transport Layer

Routing and the Network Layer

Link and Physical Layers

Yes, we will visit some subjects multiple times!