CIS 4319: Computer Networks and Communications
2011 Fall

CRN: 780    Credits: 4

Prerequisite: CIS 3207 (OS) and CIS 3223 (Data Structures and Algorithms)

Instructor: Dr. Du

Email: dux@temple.edu    Phone: 1-8888    Office: 1037 Wachman

Dr. Du Office Hours: 3 - 4pm Thursday.

Lectures: 11:00 am - 12:20 pm, Tuesday and Thursday    Location: 0001A Tuttleman

Laboratory: 9 - 10:50 am, Friday, 200 Wachman Hall.

TA: Ms. Xiaoguang Li, tuc14235@temple.edu    Office hours: 2 - 4pm Monday, 1015E Wachman

All course materials will be distributed in Blackboard.


Course Description: This course introduces the fundamental issues of computer networks and communications.

Topics:

8. Optional: Cloud Computing; Network Security
Grading Policy

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<tr>
<th>Item</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Homework</td>
<td>5 %</td>
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<tr>
<td>In-Class Exercise (No make-up exercise will be allowed)</td>
<td>15 %</td>
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<tr>
<td>Labs</td>
<td>20 %</td>
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<tr>
<td>Technical Paper Reading &amp; Presentation</td>
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<td>Midterm Exam</td>
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<td>Final Project</td>
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Technical Paper Reading & Presentation

You are required to read a recent research paper in the areas of computer networks or wireless networks. The paper list will be given later. The papers are from top networking conferences (like IEEE Infocom, ACM MobiCom, ACM MobiHoc, etc). The purpose of the Technical Paper Reading is to let students know the up-to-date research frontier in networking area. You need to prepare slides and talk about the main content of the paper.

Final Project

Each student is required do a final project in the area of computer networks or wireless networks. Each student should find some possible topics and then discuss with the instructor to finalize the topic. The final project includes: finding a good topic, proposing a new research idea, designing a scheme based on the idea, implementing the scheme in software, and evaluating the performance of the scheme.

Course Policy

- Students are expected to attend all classes. If a class is missed for any reason, the student is responsible for finding out the material covered, any assignment and handouts given, and any other announcements made in the class (e.g., exam date).

- Homework and other assignments should be submitted at the beginning of the class on the corresponding due date. Late work will be penalized at 5% of its full credit per day. You may discuss homework assignments with classmates but all solutions must be original and individually prepared.

- No make-up exam will be allowed except in cases of emergencies for which prior permission of the instructor must be taken.

- Cheating in an exam or an assignment (e.g., homework, project) may result in a grade of F in the course.