CS 4133/5133
Data Networks

Instructor
Dr. Mohammed Atiquzzaman
School of Computer Science, Room DEH 250
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Office Hours: Monday: 10.30 – 11.30 AM, Wednesday 10.30 – 11.30 PM, or by appointment

Teaching Assistant
Khondker S. Hasan
School of Computer Science, Room DEH 115
Email: shajadul@ou.edu
Office Hours: Tuesday and Thursday 11:30 – 12:30 PM or by appointment

Course Description
This course provides a comprehensive treatment of the data networking principles including: layered protocol design and their functions, tools for performance analysis, multi-access communication, routing and flow control.

Course Focus
This course focuses on obtaining a broad picture about the different types of computer networks, grasp the concept of layers in computer networks, acquire the fundamental concepts of the Internet and TCP/IP protocol, and acquire knowledge about performance evaluation techniques for computer networks.

Prerequisite
CS 3113, and Engr 3293 or Math 4753 are prerequisites for CS 4133. CS 3113 or CS 5004 or permission of instructor is prerequisite for CS 5133. Any student who has not completed at least one of these prerequisite courses (as stated in the University of Oklahoma catalog) will be subject to administrative withdrawal at any time before final grades are released.

Texts and References
- Notes will be available on the web through D2L course management system
- Additional references, if needed, will be provided by the instructor.

Computer Usage
General office software and computer simulation software will be used. Selected course material will be delivered via D2L. If you have any difficulty in accessing D2L, please contact Course Management Support line at 325-7010 or web-courses@ou.edu

Student Contributions
Lecture attendance is crucial in this class. Each student will take a midterm exam and a comprehensive final exam. Homeworks and projects will be assigned during the semester. There is no make up exam, except in the case of emergencies.

Electronic submission of projects is planned. Working together on out-of-class assignments and projects is encouraged, but all submitted work must reflect each student's understanding, and
all documents/submissions must be developed independently. Assignments are due at the beginning of class, but a 24-hour grace period may be granted to allow for last minute difficulties.

Course Evaluation
Exams, homeworks and project will be used to assess each student's progress towards meeting the stated course goals. The points will be distributed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15</td>
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<tr>
<td>Project</td>
<td>30</td>
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<tr>
<td>Midterm Exam</td>
<td>25</td>
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<tr>
<td>Comprehensive Final Exam</td>
<td>30</td>
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</tbody>
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Final grades will be determined on the total points obtained as follows:

\[ A \geq 90, \quad 80 \leq B < 90, \quad 70 \leq C < 80, \quad 60 \leq D < 70 \]

Graduate students may not receive a grade of D

Course Schedule
This course meets in Devon Hall 270 on Mondays and Wednesdays from 3.00 – 4.15 PM. The final exam is on Dec 12, 2011 from 4.30 - 6.30pm.

Students with Disabilities
Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.

Religious Holidays
It is the policy of the University to excuse absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required classwork that may fall on religious holidays. Any student in this course who plans to observe a religious holiday which might conflict with course requirements should contact me personally as soon as possible so we can make appropriate arrangements.

Academic Integrity