CS 4133/5133
Data Networks

Instructor
Dr. Mohammed Atiquzzaman
School of Computer Science, Room EL 159
Email: atiq@ou.edu, Tel: (405) 325 8077
Office Hours: Monday and Wednesday 10:30 – 11:30 AM
or by appointment

Teaching Assistant
Muhammed Javed
School of Computer Science, Room EL 158
Email: javed@ou.edu
Office Hours: Tuesday 1:00 - 2:00 pm, Thursday 2:00 - 3:00 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>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15</td>
</tr>
<tr>
<td>Project</td>
<td>30</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25</td>
</tr>
<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:

- $A \geq 90$
- $80 \leq B < 90$
- $70 \leq C < 80$
- $60 \leq D < 70$

Graduate students may not receive a grade of D

**Course Schedule**
This course meets in Felgar Hall 336 on Mondays and Wednesdays from 3.00 – 4.15 PM. The final exam date is set by the University.

**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**