Fall 2011

CEG 702-01: Advanced Communication Networks

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Department of Computer Science and Engineering  
Wright State University  

CEG702 Advanced Communication Networks  
SYLLABUS  
Fall 2011  

Time/Place  
Section 1: 6:05-7:20pm, M, W, Russ Engineering Center 208  

Instructor  
Dr. Bin Wang, Professor, 491 Joshi Research Center  
Tel: (937) 775-5115, E-mail: send email via Pilot  
Office hours: 3:00-4:00pm M, W, or walk-in  

Prerequisites  
CEG402/602;  
Programming experience in C or C++;  
Program development tools: editors, compilers, linkers, debuggers;  
Data structures: arrays, stacks, queues, lists, and binary trees.  

Textbooks  
References:  

Webpage  
http://pilot.wright.edu  
Check daily Pilot for announcements, assignment, homework, questions and answers  

Course Objectives  
This is a graduate level course on advanced computer communication and networking technologies. The course involves both a reading/lecture/discussion component and a project component. We will read papers on various aspects of advanced computer networking: LAN/WAN technologies, congestion/flow control, self-similar traffic analysis, queuing theory, link scheduling, routing, internetworking, multicast, wireless technologies, quality of services, and peer-to-peer networks. Various technical and research issues involved will be studied in depth.  

Students' Responsibilities  
As a student in this class, you are expected to:  
1) read the appropriate materials prior to class and come up with questions. Reading materials will be assigned in advance.  
2) attend class on a regular and timely basis. Regular class attendance is mandatory and is essential to success in the course. The student is responsible for all content, handouts, and announcements made in class.
3) you are required to actively participate in Q&A.
4) you will be required to do a few critical paper reviews. Instructions on how to do a paper review will be given.
5) complete and turn in your class assignments timely. You are expected to write your own programs. **Do not** copy from or give your work to others, and **do not** make it possible for others to copy any portions of your work. Violators will receive a **Zero** credit on the assigned project.
6) be present for exams at the scheduled times. If there is a catastrophic event that prevents a student from taking an exam, please contact the instructor as soon as possible.
7) not disturb the class by talking during lecture, or allowing pagers or phones to ring.
8) set up an appointment with the instructor and graduate teaching assistant or visit during office hours if you have questions regarding course contents, lectures, handouts, and other problems.

**Course Evaluation**

To complete and pass the course, students will receive a final course grade comprised of the weighted score earned on all required course assignments and exams.

**Methods:**

<table>
<thead>
<tr>
<th>% of final grade</th>
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<tbody>
<tr>
<td>1. Project (lab projects + term paper):</td>
<td>40%</td>
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<tr>
<td>2. Paper reviews:</td>
<td>20%</td>
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<tr>
<td>3. Final exam:</td>
<td>40% (11/16, Wednesday 8:00-10:00pm)</td>
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Total 100%

**Grading scale:**

| 90-100 | A      |
| 80-89.9 | B      |
| 70-79.9 | C      |
| 60-69.9 | D      |
| Below 60 | F     |

**Re-grading policy:** If you have questions about the way an assignment or exam was graded, you must submit in writing a regrading request detailing the rationale for regrading.

**Late Submission of Programming Assignments**

You will lose 5% of the total points for an assignment for each 24-hour period (or fraction of a 24 hour period) the assignment is late. Late assignments will be accepted up to 4 days after the due date as specified in the assignment handout. Late penalty is accrued on weekends just as during the week. Partial credit will be given to students who turn in partially completed assignments.

Special considerations will be given for students who have a medical excuse for late submission (written proof of illness is required). These considerations may extend to medical emergencies involving children or other family members. Such consideration is at the discretion of the instructor, and will be as reasonable
and fair as possible. Special consideration may also be given for employment conflicts (e.g. military duty, travel) if brought to the attention of the instructor prior to the due date for an assignment.

Course requirements for other courses are NOT a valid reason for special consideration.

**Missed Quizzes and Exam**

Missed quizzes and exams can be made up only under extenuating circumstances such as medical emergencies and work conflicts as mentioned above. Please see the instructor as soon as possible if you know you will be unable to attend a quiz or exam. You are expected to schedule your departure for any end of quarter travel after your final exam.

**Plagiarism**

Students are members of a learning community committed to the search for knowledge and truth. Essential to that search is the faithful adherence by all students to the highest standards of honesty and integrity. A grade of “0” or “F” will be assigned to examinations or assignments on which cheating, plagiarism or any other form of academic dishonesty is committed or determined to have occurred. For the detail, see Wright State University Student Handbook under “Academic Dishonesty”.