Syllabus: CSC/ECE 576 Networking Services - Fall 2014

Instructor
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Text:
Available through Amazon.com and the NCSU bookstore. Copies of the book are placed in the reserves in the Hunt library.

Reserves
• Networking Services: QoS, Signaling, Processes, H.G. Perros
• Connection-Oriented Networks, H. Perros
• MPLS-Enabled Applications, Minei and Lucek
• Deploying IP and MPLS QoS For Multiservice Networks, J. Evans and C. Filsfils
• The 3G IP multimedia subsystem (IMS): merging the Internet and the cellular worlds, G. Camarillo and M. A. Garcia-Martin
• Service Management: Operations, Strategy, and Information Technology, Fitzsimmons, J.A. and Fitzsimmons, M.J
• The IMS: IP Multimedia Concepts and Services, M. Poikselkä and G. Mayer

Other books, papers, and standards will be recommended during the course.

Grading:
Campus students
Up to 5 quizzes (worst grade will be dropped): 10% of final grade
2 labs: 10% of final grade
Simulation project: 10% of final grade
Mid-term exam: 30% of final grade
Final Exam: 40% of final grade

Distance education students
2 labs: 15% of final grade
Simulation project: 15% of final grade
Mid-term exam: 30% of final grade
Final Exam: 40% of final grade
**Homework**
Homework is due in class one week later. DE students may submit it as an attachment to an email to the TA. Homework will be corrected but not graded. That is, it does not count towards your final grade. However, you are strongly encouraged to submit it, as it will help you in the quizzes and exams.

**Auditing the course:**
You will have to do all the work except the exams and earn a minimum of 70%

**Exam make-up policy:**
Please note that you will have to take the exam the day indicated in the schedule. Exceptions only for medical reasons, but you need to provide a valid doctor's letter.

**Deadlines for homework and projects:**
I will give you a generous amount of time to complete your homework and projects. No extensions will be given without an official university excuse. Contact me as soon as possible if you need to discuss reasons for late or missed assignments or projects.

**Prerequisites**
CSC/ECE 570. Graduate student standing in Computer Science or Electrical and Computer Engineering, or permission of instructor. You are also expected to have a solid foundation in a programming language.

**Grades**

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<th>Grade</th>
<th>Requirement</th>
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<td>A+</td>
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<tr>
<td>A</td>
<td>93 &lt;= x &lt; 97</td>
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<tr>
<td>A-</td>
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<td>60 &lt;= x &lt; 63</td>
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<td>x &lt; 60</td>
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**Academic Integrity**
The university provides a detailed policy on academic integrity. This policy can be found in the Code of Student Conduct. It is understood that when you sign and submit your homework, projects, and exams, you are implicitly agreeing to the university honor pledge: "I have neither given nor received unauthorized aid on this test or assignment."
Academic dishonesty (e.g., cheating or plagiarism) will not be tolerated under any circumstances. If you are having difficulty with any part of the course material, please see me or the TA as soon as possible. I will do everything I can to help you with any course-related problems you may be having. If you are found to be guilty of academic dishonesty, however, you will be punished. At the very least, you will receive a zero for the assignment or exam in question, and your name will be placed on record with the university as having committed an academic offence. (Multiple offences during your academic career will result in suspension or expulsion from the university).

Compliance for the simulation assignment will be monitored by the MOSS software, which is very good at detecting similarities in programs.

**Students With Disabilities**
All effort will be made to ensure that no students with disabilities are denied any opportunity to successfully complete this course. If you have specific requirements that need to be addressed, please contact me immediately. Possible changes can include (but are not necessarily limited to) rescheduling classes from inaccessible to accessible buildings, providing access to auxiliary aids such as, tape recorders, special lab equipment, readers, note takers, and interpreters. This may also include oral or taped tests, readers, scribes, separate testing rooms, or extension of time limits.

**Captured Lectures**
This on campus course will be captured and distributed via the Internet and/or electronic media as part of the Engineering Online (EOL) program for the distance students. These video recordings may contain an image of you entering the classroom, asking a question or being a part of the studio class. Please notify Dr. Linda Krute, Director of EOL, in writing at ldkrute@ncsu.edu if you DO NOT want your image to be included in the lecture presentation. If we do not hear from you after the first week of the class, we will assume that you are in agreement with this procedure.