CS 6262-01: System and Network Admin II

Spring 2009

Course meeting times: Thursday 5:30 pm – 8:15 pm
Credit hours: 3.0

Prerequisite: CS6261 or instructor consent

Instructor: Lewis Baumstark ("Dr. B")
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Catalog Description

This course covers advanced topics in systems and network administration. Topics include practices and tools relating to backups and disaster recovery, automating tasks with scripts, analyzing system and network performance, troubleshooting, and security; wireless networks; and internetworking architectures. Current professional and ethical issues in systems and network administration, as well as professional certification standards and processes will also be introduced. Students will have the opportunity to experiment with various tools and technologies in a multi-platform environment through several projects focusing on practical applications.

Learning Objectives

1. Understand professional and ethical issues and responsibilities in system and network administration.
2. Be able to utilize tools and scripting to automate system and network administration tasks.
3. Understand the issues, practices, and tools involved in disaster recovery, and be able to perform system backup and recovery using automated tools.
4. Be able to perform system monitoring and performance tuning tasks and analyze and troubleshoot problems that can arise in systems and network management.
5. Be able to setup and configure a secure wireless network.
6. Understand the architecture, function, and various components of the Internet.
7. Setup and configure common Internet services, such Web and email servers.
8. Understand the issues, practices, and tools involved in system and network security, and apply technical solutions to address security risks.
9. Be familiar with the current professional certification standards and processes.

Required Texts

None.

Attendance

Much of this course is discussion-based and/or hands-on, so attendance is mandatory. You get one absence for free; I would recommend using it only if absolutely necessary. <u>Every</u> unexcused absence thereafter will incur a 10% penalty on your **final** grade. (<u>Translation</u>: miss (unexcused) two times and the **highest** grade you can receive for the course is a 90, assuming everything else is perfect. Miss three times and the highest you can receive is an 80, etc.)

Which begs the question, "what is an excused absence?" Typically, an excused absence is one in which you give me prior notice and a good reason. University-sponsored functions also count as "excused." Sometimes emergencies happen. In that case, tell me as soon as possible afterwards, but bring me more than just a verbal excuse (e.g., doctor's note would be acceptable). *An excused absence does not relieve you of the burden of completing assignments or taking tests.*

Academic Honesty

My <u>Academic Dishonesty Policy</u> is available on the course website. You are expected to read and understand it, as it is to be considered part of this <u>syllabus</u>.

Grading

You grade for the course will be determined as follows:

Final Exam	10%
Assignments & Projects	90%
Total	**100%**

Tests may only be made up for excused absences. Late homework and project submissions will not be accepted.

Final grades will be determined via the standard 10-point scale:

A: 90-100
B: 80-89.9999
C: 70-79.9999
D: 60-69.9999
F: below 60

Important dates

March 19, 2009: Spring Break
May 7, 2009: Final Exam (8 pm – 10 pm)

Miscellaneous

Unless I state otherwise, when submitting homework assignments, please submit a single ZIP file containing all the files you generated for the assignment. (Fair warning: files compressed with RAR or LZW will NOT be accepted!)

Please turn off all cell phones and pagers before class. If your phone rings, I will mock you mercilessly in front of your peers. If my phone rings, you may mock me mercilessly in front of your peers.

E-mail

From time to time I may send you e-mail with important information. You are responsible for providing me with a valid e-mail address (through your Moodle account) and for checking it regularly (at least once a day).

Note that, per university policy, you are also responsible for checking your campus portal (http://myuwg.westga.edu) email on a regular basis. This is in addition to whatever email address you provide to Moodle.

If you send me e-mail, please include the following two pieces of information:

1. *Your full name*. I can not be expected to know who xb42.ub40@yahoo.com is.

2. *A useful subject line.* Please -- at the least! -- include "CS6261" in the subject line. Even better will be to include a short description of your problem. Good examples: "CS6261: question about Test 2", or "CS6261: can I schedule an appointment?" Bad example: "test", "help!", or, worst, nothing.

Disability Services

Any student sanctioned by the office of Disability Services must have a Student Disability Report and a Disabled Student Handbook available to share with the Faculty before any graded work is determined as to make appropriate arrangements as needed. For more information, please visit http://www.westga.edu/~dserve/menu.html.