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College of Engineering & Computer Science

Winter 2005

CEG 210-01: PC Networking I

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CEG210 PC Networking I

Instructor: Karen Meyer
Office: 344 Russ Center
Office Phone: (937)775-5131
Email Address: karen.meyer@wright.edu
WebCT: <http://wisdom.wright.edu> I will post assignments on WebCT
Class Meetings: T, Th 10:25AM - 12:05 PM, 346 RC
Office Hours: T, Th 9:30 – 10 :15 AM and after class in 344 RC
M, W 1:45 -3:00 PM in 303 Russ, Please call 775-5131 to make an appointment

Course Description: Introduction to PC networking hardware, concepts, and technologies. Focus is on LAN administration, and hardware and software configuration.

Textbooks: Guide to Novell Netware 6.0 or 6.0/6.5 Administration by Ted L. Simpson and Michael T. Simpson

Prerequisites: CS205 **Credit Hours:** 4

Goals: The primary goal is to introduce students to the concepts and skills needed to understand and administer a Local Area Network.

Topics:

1. Overview of Networking Concepts
2. Overview of PC hardware as related to networking including the file server and workstation
3. Planning and designing the network
4. Creating the file system, users, groups and resources
5. Managing the network including implementation of security, application installation, maintenance and automation of routine procedures
6. System administration best practices
7. Looking ahead to new directions and technologies

Teaching Methodology:

Teaching methodology includes a combination of lecture, discussion and laboratory assignments.

Grading:

Exam 1	20 %
Exam 2	20 %
Exam 3	25 %
Labs	15 %
Final Project	20 %

Course and Laboratory Policies:

From this lab, you may only access Internet sites related to this course. Refer to the Responsible Use of Information Technology Guidelines. <http://www.wright.edu/cwis/policies/itpolicy.html>

You are responsible for doing your own work. You may not accept files from other students or give files to other students.

Academic Misconduct guidelines will be followed. Refer to the following web site for details:

http://www.wright.edu/students/judicial/stu_integrity.html

Attendance in class is expected. It may be used subjectively to raise borderline grades.

If you miss class, you are responsible for getting the assignment and any adjustments announced in class. You are welcome to visit me during office hours for makeup work. Please check WebCT email and discussions for notes and announcements.

Before you leave the lab, perform a system shutdown and power off the PC and monitor.

The final letter grade will be based on the following tentative scale:

90 - 100%	A
80 - 89 %	B
70 - 79 %	C
60 - 69 %	D
59 % and below	F

Assignment/Exam Policy:

10 % will be deducted for each day an assignment is late. No credit will be given for assignments over one week late. Assignments done *in class* cannot be made up for credit. If you know that you will miss an exam, you may take it early, otherwise make-ups will be given on the last day of class. Please provide documentation.

You will have card access to this lab and may use the lab when there is not another class in session.

Link to Open Lab Schedule:

<http://www.cs.wright.edu/cse/students/labschedule.shtml>

Copies of the course textbook are available at the Course Reserve desk in the Library.

Tentative Schedule

Week	Topic	Reading	Assignment
1 1-3	Course Overview, Networking Basics	Ch 1, omit pp 30-35	
2 1-10	Networking Basics, cont. Designing the Network Designing the Network, cont.	Ch 1. Ch 3 Ch 3	Projects on pp 42-44(in class), No Credit Lab 1: Design a Network
3 1-17	Planning the eDirectory Tree (Review Sheet Given) Creating the eDirectory Structure	Ch 4 Ch 7 to p. 232	
4 1-24	Review for Exam and Planning the Network File System Exam 1 Chapters 1,3,4,7	Ch 5 to p 267	Lab 2: Plan, Design, and Create an E-directory tree and Network based File System

Week	Topic	Reading	Assignment
5 1-31	Creating the Network File System Installing a Server Operating System, Configuring Workstations	Ch 8 Ch 6	Lab 3: Plan and Implement Drive Mappings and Manage Work Stations
6 2-7	Managing Users, Groups and Login Security Managing Trustee Assignments and File Attributes	Ch 9 Ch 10	
7 2-14	Review for Exam 2, Ch 10, cont. Exam 2 Chapters 5,6,8		Lab 4: Plan and Implement Network Security
8 2-21	Managing the User Desktop Environment	Ch 12	
9 2-28	System Administration Best Practices	Ch 11	Lab 5: Write and Execute Login Scripts
10 3-7 3-9	Open Lab, Help on Project, Review EXAM 3 Chapters 9,10,11,12 (final exam)		
Finals Week	Meet during designated exam time in 346 Russ to demonstrate final project, Time TBA		Clean up your Practice OU and Delete Folders, Handout

Winter Quarter 2006 Timeline:

January 3, Tuesday

January 16, Monday

January 23, Monday

February 20, Monday

March 13, Monday

March 14-18, Tues. - Sat.

First Day of Winter Quarter Classes

Martin Luther King, Jr. Holiday Observed (University Closed)

Last Day for All Students to Drop a Class Without a Grade

Last Day for All Students to Drop a Class With a Grade of W

Last Day of Winter Quarter Classes (Monday classes meet March 13 to compensate for two Monday holidays)

Final Examinations