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CEG 211-01: PC Networking II

Karen Meyer  
Wright State University - Main Campus, karen.meyer@wright.edu

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CEG211 PC Networking II

Instructor: Karen Meyer
Office: 344 Russ Center
Office Phone: (937)775-5131
Email Address: karen.meyer@wright.edu
WebCT: http://wisdom.wright.edu
Office Hours: MW 10:25 - 11:00 am and T 9:00 - 10:00 AM in 344 RC
Advising Hours: MW, 1:00 - 3:00 PM, T 10:30 am - 12:30 pm, Th, 9:00 am - 12:00 pm
in 303 Russ Center. Please call 775-5131 to make an appointment.
Course Description: Focuses on server installation, administration, multiple protocol integration, systems maintenance, and troubleshooting. Includes hands-on class and laboratory assignments.
Prerequisites: CEG 210
Credit Hours: 4
Textbook: Hands-On Microsoft Windows Server 2003 Administration by Dan DiNicolo

Course Objectives
The goal of this course is to prepare students for the real-world challenges of a networking professional. It is designed for students interested in network and server administration. The text includes extensive hands-on projects, exercises, and review questions in each chapter, which reinforce Microsoft Windows Server 2003 network administration skills as they are learned. Case projects at the end of each chapter allow students to take on the role of a Windows Network administrator, making decisions and troubleshooting real-life problems. Specific topic coverage includes: Windows Server 2003 Network Administration, Managing Windows Server 2003, Hardware and Software, Administering Active Directory, Managing Group Policy, Administering File Resources, Managing Printers, Publishing, Auditing, and Disk Resources, Administering Web Resources in Windows Server 2003, Administering TCP/IP, Administering DNS, Monitoring and Troubleshooting Windows Server 2003, and Administering Remote Access Services.

Course Format/Requirements
This course format is independent study supplemented with web based instructional materials using WebCT.

Each student will be issued a CD that contains the MS Server 2003 operating system. You may choose to install the operating system on a PC that you have available at home or you may elect to use a computer in 346 Russ Center. If you would like to use a computer off-site of WSU, the minimum hardware requirements are:

Pentium III 550, 256 MB of RAM, dedicated partition with at least 500 MB of free disk space, CD-ROM drive.
The class will meet 4 times:

Class Meetings: MW 11:00 am – 12:40 pm, 346 RC
March 27, Class Meeting 1 - Course Overview , Issue MS Server 2003 CD and license information.

March 29, Class Meeting 2: Server Installation using computer in 346 RC(optional)

April 26th , Class Meeting 3, Exam 1 - Submit Copy of Journal Notes

June 3rd, Class Meeting 4, Exam 2 - Submit Copy of Remainder of Journal Notes, Submit Final Case Project

Grading:
Exam 1: 25 %
Exam 2: 25 %
Journal: 25 %
Cases - Final Project: 25 %

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

Journal
Keep a journal in a 3 ring binder to track the progress of the Activities throughout the chapters. The assigned activities will be listed on WebCT by chapter. You should strive to complete one chapter/week. Occasionally, (no more than 3 times) you will be required to post an answer to a discussion question on WebCT.

Please note that when you add a new service (such as IIS), the installation CD is required.

If you cannot complete an activity exactly as stated in the book, please handle any adjustments. Since you are working in a dynamic environment that could vary from the book, the instructions could be inexact. This is the real world of networking. Also, remember that web site locations do change so you may need to adapt to this. However, do not spend inordinate amounts of time trying to complete an activity. If you have a problem, please note it in your journal, your attempts to adapt and proceed.

Note that some of the activities do not ask specific questions that require journal entries. However, you should make at least one observation or note per activity (especially if there is no specific question). If you have any problems completing the activity, please note that in your journal. You may also e-mail your Instructor.
Extra Credit Opportunities:
Network Administrators are challenged with finding information relating to problems they face relating to operating systems patches, viruses, spam, security issues, bandwidth management, active directory design, DNS, TCP/IP and subnet configuration to name a few. As you read the chapters and complete the labs, look for related information using the Internet. Include any links and copies of useful tips in your journal. The source must be documented.

End of Chapter Review Questions
Answering the end of chapter review questions will help you prepare for the exams. The answers are posted on WebCT.

Exams
Exams are a combination of multiple choice, true false and short answer. They will be delivered using WebCT during the scheduled class time.

Cases Final Project
The case projects at the end of the chapters simulate real-life challenges that network administrators face. A combination of cases will comprise your final project. You may want to answer the questions (as listed on WebCT under each chapter and the Final Project) as you read the chapter.

Questions and Discussion Group Postings
Use the WebCT Discussion Group - General Course - to post any course related questions. Other topics will be added as needed. You will be required to post to some questions based on your lab work. This will be part of your journal grade.

Course and Laboratory Polices:
1. From this lab, you may only access Internet sites related to this course. Refer to the web site below for a complete listing of guidelines: Responsible Use of Information Technology Guidelines.
http://www.wright.edu/cwis/policies/itpolicy.html
2. 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

Exam Policy:
10% will be deducted for each day an assignment is late. No credit will be given for assignments over one week late. 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. Students will need to 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