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Spring 2009

CEG 211-01: PC Networking II

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SYLLABUS
CEG211-01 PC Networking II, Spring 2009

Lecturer:	Karen Meyer Office: 344 Russ Center Office Phone: (937)775-5131 Email Address: karen.meyer@wright.edu WebCT: http://wisdom.wright.edu
Meeting Times:	8:30 am - 10:10 am TR (First Day of Class, Installation – if using lab and Exams Only)
Course Format:	Independent Study/Web Enhanced. Exams taken in class. Students may use computer resources in 346 RC.
Office Hours:	TR 9:15 – 10:00 AM unless class is meeting and by appointment
Advising Hours:	You are welcome to visit during advising hours. Please call 775-5131 to make an appointment. The advising office is located in 303 Russ
Prerequisite:	CEG 210
Credit Hours:	4
Textbook:	<u>Hands-On Microsoft Windows Server 2003 Administration</u> by Dan DiNicolò, ISBN: 619-18611-9, REQUIRED

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 network administration skills as they are learned. Case projects at the end of each chapter allow students to take on the role of a network administrator, making decisions and troubleshooting real-life problems. Specific topic coverage includes: network administration and management, administering active directory, managing group policy, administering file resources, administering web resources in windows server 2003, administering TCP/IP, administering DNS, monitoring and troubleshooting network related problems.

Grading:

Exam 1:	30 %
Exam 2:	30 %
Journal:	20 %
Final Project:	20 %

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

Exam and Assignment Policy:

10 % will be deducted for each day an assignment is late. No credit will be given for assignments over five days late. If you know that you will miss an exam, you may take it early with Instructor notification and permission. Otherwise, make-ups will be given, per the discretion of the Instructor, on the last day of class. Students will need to provide documentation.

Room Schedule:

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

<http://www.cs.wright.edu/cse/students/lab-schedules.shtml>

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

Course Format/PC Requirements

The course format is independent study supplemented with web based instructional materials using WebCT. Exams will be taken in a supervised classroom setting.

Each student will receive a CD that contains the MS Server 2003 operating system. It is packaged with your book. 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, 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 a minimum of 3 times. The server installation meeting is optional.

Date	Topic
T, 3-31 at 8:30 AM	Present Syllabus, discuss course
R, 4-2 at 8:30 AM	Install Server Operating System in 346 (optional if you are using your own PC for installation, this meeting is not

	required) You will need the CD from your book
R, 4-30 at 8:30 AM	Exam 1(covers chs 1,2,3,4) Journal/Lab Notes for Chs 1-4 Due
R, 6-4 at 8:30 AM	Exam 2(covers chs 5,7,8,9) Journal/Lab Notes for Chs 5,7,8,9 Due
T, 6-9 at Noon	Final Project Due - may upload through WebCT or drop off to department office in 303 Russ Center

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 given during the scheduled class time. Refer to the above schedule.

Final Project – see document posted on WebCT

Questions and Discussion Group Postings

Use the WebCT Discussion Group - General Course - to post any course related questions. Discussion Group postings should be recorded in the appropriate group as specified. Other topics will be added as needed.

You will be required to post to certain questions related to your lab work. These questions are marked under the chapter assignment. **This will be part of your journal grade.**

Lab Journal

Throughout each chapter are a series of hands-on activities that will help you understand the Windows Server operating system. Keep a journal in electronic format to track the progress of the Activities throughout the chapters. The assigned activities will be listed on WebCT. You will also answer several of the Case Projects. Occasionally, you will be required to post an answer to a case project or related question to the discussion group on WebCT.

What to include in the journal?

List the Chapter and the activities that you performed in each chapter. I have listed suggested activities, but you may do others if you wish. Your notes should include comments to describe results, network diagrams that you may make, information on configuration parameters and their meanings, description of alternative steps, and other information pertinent to the projects. *Note that many of the activities do not require definitive answers.* The notes that you make should help you understand the concepts covered in the chapter that you will later see on the exams.

The Case Projects require definitive answers. They do not require a hands-on lab assignment, however, the lab activities should help you answer the cases.

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 might 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. Also, since you may be working in an environment outside of WSU, there is no Instructor Server. You are installing the server in a stand alone tree. Your server is the Domain Controller. **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 then proceed.

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

Assignments: See WebCT.

Journal 1: Activities and Cases from the Book:

Please submit your answers with Exam 1. The Cases must be typed.

Take Exam 1 in 346 Russ Center during class time !

Journal 2: Activities and Cases from the Book:

Please submit your answers with Exam 2. The Cases must be typed.

Take Exam 2 in 346 Russ Center during class time !

Extra Credit Opportunities:

Network Administrators are challenged with locating information to solve a wide array of problems. Challenges may relate to operating system vulnerabilities and bugs, viruses, spam, security issues, bandwidth management, active directory design, end user support, DNS , TCP/IP and subnet configuration - to name a few. As you read the chapters and complete the labs, explore the Internet to attempt to find helpful information on the topics that you study. Include any links and copies of useful information in your journal. The source must be documented. **Make sure that you mark this as extra credit.**

Spring Quarter 2009 Important Dates

March 31, Monday	First Day of Spring Quarter Classes
April 18, Friday	Last Day for All Students to Drop a Class Without a Grade
May 16, Friday	Last Day for All Students to Drop a Class With a Grade of W
May 26, Monday	Memorial Day Holiday (University Closed)
June 7, Saturday	Last Day of Spring Quarter Classes
June 9-14, Mon. - Sat.	Final Examinations
June 14, Saturday	Spring Commencement