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Fall 2006

CEG 333: Introduction to Unix

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Welcome to
CEG333 - Introduction to Unix
Fall Quarter 2006



Instructor: Dr. Thomas Wischgoll

thomas.wischgo@wright.edu

328 Russ Engineering Center
937-775-5057

Office Hours: Mon/Wed 05:30pm - 06:30pm
(or by appointment)

Textbook: Your Unix - The Ultimate Guide (second edition)
Sumitabha Das
McGraw-Hill, 2006, ISBN 0-07-252042-6

Webpage: <http://avida.cs.wright.edu/courses/CEG333/>

Lecture: Mon 02:45 pm - 03:35 pm
Wed 02:45 pm - 03:35 pm
(Oelman 248)

Exams: Midterm: Wed, Oct 11th, 2:45 pm (in class)
Final: Mon, Nov 13th, 01:00 pm - 03:00 pm

Grading Policy: 30% (laboratory projects) + 30% (midterm) + 40% (final exam)= 100%

Each class is different. Therefore, no absolute grading scheme can be defined in advance. However, the following guarantees will always be made:

90%

80%

70%

60%

50%

A

B

C

D

F

Course Goals/Objectives

By the end of this quarter, you should be able to:

- Describe the basic methodology of UNIX filters, including pipes and redirection of stdin/stdout
- Program simple UNIX utilities at the command-line and shell-script level
- Discuss the advantages and disadvantages of common user interfaces (such as UNIX vs. PC/Windows)
- Discuss the philosophy of UNIX development and the open source movement
- Work comfortably in the UNIX environment
- Edit and manage files and user-level security for UNIX development
- Use standard UNIX development tools for C or C++

Prerequisites

- CS 241

If you are unsure about any of these requirements, come talk to me.

Course Format

The course consists of two lectures a week. Attendance of the lectures is not strictly mandatory. However, you are responsible for all materials, announcements, assignments, *etc.* covered in either the lecture or assignments. If you miss a class, consult a classmate for any missed materials.

The purpose of the class is for everyone to understand the issues involved with UNIX operating system. To this end, if you don't understand something during class, please ask. If you are confused, it is likely that a few of your classmates are as well. Also, listen to others' questions. Many times you'll think you understand a concept until you hear someone else's question about it. Dialogue is the best way to learn things, so don't be afraid to speak up.

There will be laboratory projects to be returned on the specified date, one in class midterm, and one final exam. The grade will be determined as stated earlier.

Laboratory Projects

Laboratory projects are designed to help you learn the course concepts and are the primary course "homework". For solving the laboratory problems, you may use the computers in the OSIS lab (RC 429). An account for you to log in will be provided. Late submissions of projects will not be accepted. Corrupt files or other computer problems will not be considered a sufficient excuse to extend a deadline. It is your responsibility to back-up your work. I strongly suggest that you save your work to multiple locations/media to aid in the recovery of corrupt files.

Office Hours

Office hours are as listed above **or by appointment**. If you are unable to come to the posted office hours, contact me and we can arrange to meet. There is no reason why anyone should be unable to see me if they need to.

Other Resources

The class web page is maintained at <http://avida.cs.wright.edu/courses/CEG333/>. It will keep information, assignments, announcements, etc. There is also a class mailing list. Make sure your email address is registered with the registration system. Please check the web page and read your email. I will try to make any announcements in both places as well as in class, but you don't want to miss anything.

Class Policy

- Laboratory projects will not be accepted late unless approved by the instructor.
- The solution for the laboratory projects has to be turned in electronically as described in the project description to receive full credit.
- During the midterm and final, after completing the test, each student must sign his test solution in with the instructor.

Fine Print

Exams Exams will emphasize insight and problem solving ability rather than memorization. Exams will be open book.

Missed Exams Makeup exams will only be given for the gravest of reasons. If you must miss an exam due to extreme illness, *etc.*, contact the instructor (email is fine) or leave a message with the Department of Computer Science and Engineering office (937-775-5131) *before* the exam. Be sure to leave both the reasons for missing the exam and how to reach you.

Add/drop Policy A copy of the add/drop policy is available at the main office or [online](#).

Cheating Please do not. I am not obsessed with looking for cheating, but if I see something suspicious, I will refer it to the Office of Judicial Affairs. This is more work for me, and is embarrassing for everyone. Again, please don't; this has been a problem in the past. If the rules are unclear or you are unsure of how they apply, ask the instructor *beforehand*. The academic integrity policy as available [online](#).

Feedback If you like, dislike, or don't understand something I'm doing with the course, please stop by my office hours, send me email, or paste together a note from newspaper clippings and drop it in my mailbox. I won't always change things, but I will always explain why I'm doing them the way I am.

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