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## COURSE SYLLABUS

COP 3344  
*Introduction to UNIX*

Fall Semester 2006

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**CLASS DESCRIPTION:** This is an introductory course in the use of the UNIX operating system designed for both majors and non-majors. This course will introduce students to the UNIX computing environment at Florida State University, Department of Computer Science. Topics will include: UNIX history, requesting UNIX accounts, logging in to a UNIX system, basic operating system concepts and file structure, basic commands, text editor(s) (to include emacs, vi, and pico), printing, mail, and online help. The goals of this course are to enable students to Login to their UNIX account from any type of computer and have a basic understanding of the commands and utilities.

### EXAM SCHEDULE:

Final Exam on UNIX - TBA

### COURSE SCHEDULE:

Day	Topic	Reading Assignment	Assignments
1	Intro to UNIX, history, Background	Slides Day 1	Attend Lecture
2	UNIX account, directory, password, .login, .plan, .tcshrc, etc. , pine email	Slides Day2	<u>Assignment # 1, Class Account</u>
3	File system, directory structure,	Slides Day 3	Demonstrate usage of directory commands in the weeks recitation. ls, more, cd, mkdir, etc
4	Detailed File structure and commands	Slides Day 4	Demonstrate usage of file commands in the weeks recitation. chmod, cp, diff, compress, find, grep
5	Pico and emacs editor	Slides Day 5	No assignment.
6	More UNIX	Slides Day 6	<u>Assignment #2, Modify your .tcshrc</u>

	Commands		<a href="#">or .cshrc file</a>
7	More UNIX Commands	Slides Day 7	No assignment
8	Shell Programming 1	Slides Day 8	Demonstrate Usage of simple shell programming commands
9	Shell Programming 2	Slides Day 9	
10	Shell Programming 3	Slides Day 10	<a href="#">Assignment #3, Write a shell program called _rmtemp</a>
11	Makefiles Session 1	Slides Day 11	No assignment
12	Makefiles Session 2	Slides Day 12	No assignment
13	Misc UNIX and review	Slides Day 13	Assignment #4, Create a makefile for the following program files: <a href="#">Homework Description</a> <a href="#">cprogram\main.c</a> <a href="#">cprogram\printmonth.c</a> <a href="#">cprogram\printmonth.h</a> <a href="#">cprogram\printyear.c</a> <a href="#">cprogram\printyear.h</a>
14	Exam	All Slides	Test – Mandatory

#### **COURSE PERSONNEL:**

*Lead Instructor:* David A. Gaitros

*Responsibilities:* Overall course coordination, lecture materials, code library, and projects

*Office:* LOV 261

*Phone:* 644-4055

*Email:* [gaitrosd@cs.fsu.edu](mailto:gaitrosd@cs.fsu.edu)

*Office Hours:* TR 9:15am - 11:00am in LOV 261 or by appointment at other times

#### **SUGGESTED COURSE MATERIALS (OPTIONAL, Used as references for the slides):**

**Just Enough UNIX Third or Fourth Edition , Paul K. Anderson, McGraw-Hill**

**Learning the UNIX Operating System, Jeery Peek, Grace Todino & Jogn Strang, O'Reilly Publishing, ISBN 1-56592-390-1**

**UNIX For Dummies, Margaret Young, and John Levine, IDG Books Worldwide, ISBN 0-7645-0420-7**

## ON-LINE RESOURCES:

*The following are useful on-line references:*

- <http://www.ee.surrey.ac.uk/Teaching/Unix/>
- <http://www2.ocean.washington.edu/unix/tutorial.html>
- <http://www.isu.edu/departments/comcom/unix/workshop/unixindex.html>
- <http://www.tutorialbox.com/tutors/unix/default.htm>

## COURSE OBJECTIVES:

At the end of this course, the student should understand the following concepts:

- Understand the History of UNIX
- Identify and use the different shells
- Find help on different UNIX commands and utilities
- Use the different file and process commands
- Create simple shell scripts
- Redirect standard input and output
- Set up their own UNIX environment
- Create and use makefiles. Compile a simple C program with multiple files.

## COURSE POLICIES:

### **Attendance Policy:**

The University requires attendance in all classes. Attendance in this class shall mean:

- Attending lectures at their regular scheduled times
- Regularly participating in class discussions
- Taking the Final Exam at the scheduled time and place
- Submitting assignments correctly and on deadline

### **Exam Makeup Policy:**

An exam missed without an acceptable excuse will be recorded as a grade of zero (0). Missed, and acceptably excused, final exams will result in the course grade of 'I' and must be made up in the first two weeks of the following semester.

### **Grade of 'I' Policy:**

The grade of 'I' is given to a student who, for circumstances beyond their control, missed the opportunity to cover course materials. Under the conditions stated by the University, the grade of 'I' means that a

student is allowed the next semester of their enrollment to make up all remaining course materials. It does not allow a student the opportunity to hand in additional work or improve their grade on previous assignments. The grade of 'I' will be assigned only under the following exceptional circumstances:

- The final exam is missed with an accepted excuse for the absence. In this case, the final exam must be made up during the first two weeks of the following semester.
- Due to an extended illness or other extraordinary circumstance, with appropriate documentation, the student is unable to participate in class for an extended period. In this case, arrangements must be made to make up the missed portion of the course prior to the end of the next semester.
- The grade of "I" is not given to allow a student to recover from poor performance. Only the work missed due to a legitimate reason may be accomplished.

**GRADING/EVALUATION:**

You will have four homework assignments and one test. You can estimate your grade in this class by the following table. The homeworks are worth a total of 100 points and the test will also be worth 100 points, accounting for 50% of your grade.

**Table 1: Course Points**

<i>Item</i>	<i>Points/Item</i>
Final Exam	100
Homework1	25
Homework2	25
Homework3	25
Homework4	25

**Table 2: Estimated Letter Grade Range**

<i>Points</i>	<i>Percentile</i>	<i>Grade</i>
180 -200	90%	A- -> A
160 -179	80%	B- -> B+
140 -159	70%	C- -> C+
120 -139	60%	D- -> D+
< 120	< 60%	F

**ACADEMIC HONOR CODE:**

Students are expected to uphold the Academic Honor Code published in The Florida State University Bulletin and the Student Handbook. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility (1) to uphold the highest standards of academic integrity in the student's own work, (2) to refuse to tolerate violations

of academic integrity in the university community, and (3) to foster a high sense of integrity and social responsibility on the part of the university community.

Please see the following web site for a complete explanation of the Academic Honor Code.

<http://www.fsu.edu/Books/Student-Handbook/codes/honor.html>

<http://www.fsu.edu/Books/Student-Handbook/>

In particular, note that students may not give or receive help of any kind on programming projects. This means, among other things, that students are not permitted to read each others code (on paper OR on screen) or discuss design or implementation of programming projects with anyone other than the instructional personnel. Violations of this policy will result in the grade of zero for all parties involved.

#### **AMERICANS WITH DISABILITIES ACT:**

Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class.

For more information about services available to FSU students with disabilities, contact the

**Student Disability Resource Center**  
**97 Woodward Avenue, South**  
**Florida State University**  
**Tallahassee, FL 32306-4167**  
**(850) 644-9566 (voice)**  
**(850) 644-8504 (TDD)**  
**[sdrc@admin.fsu.edu](mailto:sdrc@admin.fsu.edu)**

<http://www.fsu.edu/~staffair/dean/StudentDisability/>

(This syllabus and other class materials are available in alternative format upon request.)

#### **SYLLABUS CHANGE POLICY:**

This syllabus is a guide for the course and is subject to change with advanced notice. Such notice will be in the

form of an announcement via email to all students on their garnet accounts and in class.

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