



COP3353 Introduction to Unix

Course Description - COP 3353:

This is an introductory course in the use of the UNIX operating system designed for both majors and non-majors. Topics 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 log in to their UNIX accounts from any type of computer and have a basic understanding of the commands and utilities.

Instructor:

Instructor: Dr. David A. Gaitros

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Office Hours: Monday and Wednesday 1:00 P.M. – 3:30 P.M.

Web Site: <http://www.cs.fsu.edu/~gaitrosd>

Attendance: Attendance is required at all lectures. Attendance will be accomplished via an on-line survey taken in the first three days of class. To gain access to the Survey, log into the blackboard site (campus.fsu.edu) for this class and access Exams and Surveys. Select 1st Day Attendance Survey and answer the single question. Those registered for the class on Monday the first day of class and who do not take the survey will be dropped from the class.

Required Text Books:

There are no required text books for this class but as a Computer Scientist I have always kept one close by for reference. Unlike sources on the Web, books are put together very carefully and reviewed by many for errors and omissions. Therefore, the following books are recommended:

- *Unix Power Tools*. Shelly Powers, Jerry Peek, Tim O'Reilly, and Mike Loukide. O'Reilly, 3rd edition or later.
- *Just Enough Unix*, Paul K. Anderson, 3rd or 4th Ed., McGraw-Hill, 2003.
- *Learning the Unix Operating System*, Grace Todino, John Strang, Jerry Peek, 4th Ed., O'Reilly Publishing, 1997 (ISBN 1-56592-390-1).

- *Unix for Dummies*, John Levine & Margaret Young, 5th Ed., IDG Books Worldwide, 2004 (ISBN 0-7645-4147-1).

Course Objectives:

- 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
- Redirect standard input and output
- Set up their own UNIX environment
- Create simple shell scripts
- Create and use makefiles. Compile a simple C program with multiple files.

Course Calendar

Dates	Week	Topic
Jan 11	1	Introduction, CS Accounts, Mil
Jan 18	2	Pine email, file management
Jan 25	3	Directory Management ad Permissions
Feb 1	4	Editors, Vi, Emacs, Pico
Feb 8	5	Pipes and Filters, Directory Commands
Feb 15	6	Unix Processe
Feb 22	7	Midterm
Mar 1	8	Unix Communication/Set Variables
Mar 8	9	More variables, standard IO
Mar 15	10	SPRING BREAK NO CLASSES
Mar 22	11	Standard IO
Mar 29	12	Scripting
Apr 5	13	Scripting
Apr 12	15	Make Utility
Apr 19	16	Make Utility, review
Apr 26	17	Final Exam Review
May 5	18	Final Exam 3:00 P.M. – 5:00 P.M.

Course Communication

All course materials are available on the Blackboard Site (<http://campus.fsu.edu>) . There you will find this syllabus, lecture materials, help files, homework assignments, and other materials available to the students. Announcements to students will be posted on the Blackboard site and emailed to all users including Teaching Assistants. The instructor of this course will use your

FSUID (email account) to communicate. Be sure to read your email from this account every day or have it forwarded to an account that you review on a daily basis.

Exam Makeup Policy:

An exam missed without an acceptable excuse will be recorded as a grade of zero (0). The following are the only acceptable excuses:

- If submitted *prior to* the scheduled exam: Evidence from a University official that you will miss the exam due to University sanctioned travel or extracurricular activity
- A note from a physician, University dean, or parent indicating an illness or other extraordinary circumstance that prevented you from taking the exam
- An emergency of unexpected origin

All excuses must be submitted in writing, must be signed by the excusing authority, and must include complete contact information for the authority, including telephone numbers and address.

Missed exams with acceptable excuse will be made up.

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.

Graded Material:

There will be two exams, 7 assignments, and several quizzes that you will be graded on. All tests are multiple choice questions on scantron answer sheets. The midterm exam will be given in class during regular hours. All the quizzes combined will count as one Homework Assignment.

Exams:

All exams are taken in class during normal class periods except for those individuals authorized to take them in the SDRC. Students with disabilities need to provide documentation to the instructor during the first or second week of class.

Homework Assignments:

Homework assignments are available from the first day of class and students can work on them well in advance of their due date. The due dates of the assignments are the absolute last times they can be submitted for full credit.

Quizzes:

All quizzes are taken on-line through Blackboard. They can be taken up to 5 times and the highest score will count. All quizzes are due the last day of class (Friday before Finals Week) with no exceptions. Quizzes are primarily there to provide students an opportunity to review important material. The combined total of the quizzes counts the same as a single homework assignment.

Grade Distribution:

Graded Item	Distribution
Midterm Exam	25%
Final Exam	25%
Assignments/Quizzes	50%
Total	100%

Grades:

Letter Grade	Numerical Average
A	94.0 - 100
A-	90.0 - 93.99
B+	87.0 - 89.99
B	85.0 - 86.99
B-	80.0 - 84.99
C+	78.0 - 79.99
C	72.0 - 77.99
C-	70.0 - 71.99
D	65.0 - 69.99
F	0.0 - 64.99

Late Assignment Policy:

- An assignment will be penalized 10% of the total grade (10 points) for every 24 hours after the due date/time. The policy covers weekends and holidays.
- However, all assignments must be turned in to obtain full credit for the course.
- Students wishing to be exempt from late assignments points must show why they did not have a reasonable amount of time to complete the assignment. Since assignments are made available to the students on the 1st day of class a crisis at the last moment will not excuse a late submission.
- Students will be given a limited amount of time to make up late excused assignments. The instructor of the course will set the new date based upon the amount of time excused.

Grade of 'T' Policy:

The grade of 'T' 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 'T' 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 'T' will be assigned only under the following exceptional circumstances:

- The last 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.

Assignment Submissions:

- Assignments are accessed from the course web site linked from <http://campus.fsu.edu>
- All assignments are submitted electronically through the assignment portal on the blackboard site.
- Assignment scores are posted in the online grade book within 14 days of the due date (for assignments submitted on time). Refer to the Weekly Agenda for the scheduled dates when scores for on-time submissions should be posted. Click on a score to read detailed comments. Concerns and complaints regarding assignment grading must be presented within one week of when the assignment grade is posted.
- Students are responsible for confirming that their own assignment file is submitted successfully, with the submitted file in working order. Refer to the Instructions for Submitting and Storing Assignment Files, found under the Assignments menu on your course web site.
- Blackboard will allow multiple submissions per assignment. This limit has been set to 5 and the **last file submitted will be graded**. Please check them to make sure they are not corrupted.
- Submitted assignment files found to be corrupt and/or cannot be opened will require re-submission with late penalties.
- Assignments will NOT be accepted if submitted on disk, digital drop box, safe assignment, on CD/DVD, hard copy printout, or as an email attachment.

Academic Honor Policy

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "... be honest and truthful and ... [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>.)

Communication

Success in the course depends heavily on students checking email and announcements posted on the class Web site. Most communication between teacher and student occurs online. Students are

expected to check email, and announcements on the class Web site daily Monday - Friday. The class agenda and grade book should be checked at least once a week to stay current on what needs to be done and what has been graded. Failure to do so may result in missed opportunities and poor grades.

Americans with Disabilities Act

Students with disabilities needing academic accommodation should:

- (1) register with and provide documentation to the Student Disability Resource Center; and
- (2) bring a letter to the instructor indicating the need for accommodation and what type.

Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided.

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

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

Student Disability Resource Center
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdrc@admin.fsu.edu

Syllabus Changes

Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.