

Virginia Tech
Fall 2008

CS 2204: UNIX

Instructor: John Korah

Description

This course introduces students to the very basics of usage and administration of the UNIX operating. The course will emphasize end-user tools and commands for basic file manipulation, editing, compilation, and debugging, as well as special features of the UNIX shell environment. Students will learn through a combination of traditional lectures, hands-on laboratory sessions, and individual assignments.

Recommended Textbook

- **Introduction to UNIX** by D. Schwartz.
- **Unix Power Tools**. O'Reilly is a good reference book

Internet resources will also be listed over the duration of the course

Web page

The course lectures, Lab assignments and Home work assignments are displayed on the course webpage on the VT Blackboard <https://learn.vt.edu> . Details about the instructor and office hrs are also posted.

Class email listserv

Each student enrolled in the course will be placed on the email listserv CS2204_91748. The instructor will place important announcements on the listserv. Students may use the listserv to discuss UNIX topics and messages can be posted by sending an email to CS2204_91748@listserv.vt.edu. The posts must remain on-topic and appropriate. The listserv is moderated and the instructor reserves the right to filter out any message deemed inappropriate.

Grading Policy

Your grade will include the following components: lab assignments (35 %), pop quiz (5%), home work (40 %), and the final project (20 %). **There is also a bonus [the worst HW grade will be dropped] for installing a UNIX OS on your personal laptop by Sept 30.**

Attendance at lab sessions affects your grade directly as you will be asked to turn in your lab work at the end of each session for grading. No late lab assignments or home work will be accepted unless under clearly extenuating circumstances (such as illness).

Pre-requisites

Pre-requisites will be strictly enforced. No exceptions. Each student **MUST** fill out a pre-req form and turn it in either during the first class or during the following lab session. The pre-requisites for the course are CS 1706 Intro to Obj-Oriented Development or ECE 2574 Intro to Data Structures & SE

Access to UNIX machines

Lab sessions will be held in Torgersen 1020. Each of you should bring a personal machine for the 1-hour lab session each week. If your personal machine do not have UNIX on it, you may remotely access the UNIX OS on rlogin.cs.vt.edu. You are strongly encouraged to install Linux (other flavor will do for this class) on your own machine. You don't need to erase your Windows partition for it, just create a "dual boot" machine. Installing unix using middleware such as VMWare, MS VirtualPC or Cygwin is also acceptable. **A "GRADE BONUS" WILL BE GIVEN TO THOSE WHO INSTALL UNIX ON THEIR PCs.** Having Linux installed on your personal machine will help you to complete assignments accurately in this course, and will also be useful for future CS courses. If you decide not to install Linux, you will still be able to access machines in the undergraduate UNIX lab by remote login 24 hours a day/7 days a week using the free SSH client that can be downloaded from software.cs.vt.edu. Mac OS-X users should not worry: they already have a UNIX machine, though with some quirks.

Honor code

All work in this course is to be your own. You may not copy code or use the structure or organization of another student's program. Home works and final project are strictly individual work. You may not use code obtained from the Internet or from students who have taken the class in previous semesters