Instructors and Schedule:

2001 MW2R12 Stahl	stahl@usna.edu	MI223,MI316
4001 MW4R34 Johnson	mjohnson@usna.edu	MI223,MI316
6001 MW6R56 Brown	wcbrown@usna.edu	MI200,MI316

Required Texts: A Practical Guide to Linux: Commands, Editors, and Shell Programming; Sobell
Advanced Programming in the UNIX Environment; Stevens, Rago

Learning objectives::

- Understand the operation of the UNIX OS from the user, systems programmer, and application programmer perspective.
- Design software on UNIX that uses concurrency to solve problems.
- Use a UNIX command shell.
- Navigate and manipulate the UNIX filesystem from the command line.
- Build application software using the make utility.
- Write simple shell scripts and configure resource files.
- Understand the security issues and responsibilities of a user and systems administrator, the consequences of an insecure system and its local and global impact on an individual and organization.

Program Outcomes: This course contributes to the student's ability to:

- Use current techniques, skills, and tools necessary for computing practices.
- Analyze the local and global impact of computing on individuals.

EI: An appointment is preferred (send me an email to confirm the arrangement).

Movement Orders: You must obtain explicit instructor approval to miss class for each Movement Order, except for varsity athletes who are required to inform their instructor in advance.

Grading and Late Policy: Unless otherwise specified in writing, programming work will be due at the start of class one week after its assignment. Programming work turned in *n* days after the assignment deadline (rounded up) will incur a deduction of 3^n points, regardless of the reason, including watchstanding or duty, movement orders, or any other type of non-emergency absence. Homework is due at the beginning of the next lecture period following its assignment and will be graded as 100, 75, 50, 25, or 0. Late homework is not accepted. There will be three written, open book exams. The final exam will be cumulative:

	6 wk	12 wk	Course
Homework	10%	10%	10%
6 Week Exam	50%	20%	10%
12 Week Exam		30%	15%
Final Exam			25%
Programming projects	40%	40%	40%

Honor: You are responsible for adhering to: USNAINST 1531.53 *Policies Concerning Graded Academic Work*, and COMPSCIDEPTINST 1531.1 *Policy Concerning Programming Projects* (see www.cs.usna.edu/academics/honor.htm). During the course, your instructor might ask you to run the *script* utility to generate a text output log of your terminal sessions. Modification of this output will be considered an honor violation.

Submitted:

Asst. Prof. D. J. Stahl, PhD
Course Coordinator

Approved:

CAPT Thomas A. Logue, USNR
CS Department Chair