

This lecture is designed to support an introductory course on linux and unix while trying to cover linux scripting and system administration. lecture covers the topics such as; a brief history of unix , architecture of the linux operating system , general linux commands, file and directory permissions, finding text in files, sorting, compression and backup, mounting, processes , connecting to remote machines, printer control, c/c++ compilation utilities, introduction to vi editor, system administration, shells and shell scripts.

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Weekly schedule:

1. A brief history of UNIX , Architecture of the Linux operating system
2. General linux commands
3. General format of UNIX commands
4. File and directory permissions, finding text in files, Sorting, compression and backup, mounting
5. Processes ,Pipes, Controlling processes
6. Connecting to remote machines, Printer control, C/C++ compilation utilities
7. Introduction to vi
8. System administration
9. System administration
10. System administration
11. Shells and shell scripts
12. Shells and shell scripts
13. Shells and shell scripts
14. System administration

Book: Redhat Press RedHatLinux Networking and System Administration

Resources:

<http://www.freeos.com/guides/lsst/>

<http://www.doc.ic.ac.uk/~wjk/UnixIntro/>

Evaluation: %40 Midterm; %20 Homework, Quiz; %40 Final Exa