

Revised: Fall/2015

ITN 170

Linux

COURSE OUTLINE

Prerequisites:

Prerequisite(s): ITN 109 or TEL 150 .

Course Description:

Provides instruction in the basics of the Linux operating system. Includes BASH shell, filesystems, editing files, permissions, installation, setup/configuration, and scripting.

Semester Credits: 4 **Lecture Hours:** 4 **Lab/Recitation Hours:** 0

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Course Outcomes

At the completion of this course, the student will have a working knowledge of:

- The basics of the Linux operating system.
- The BASH Shell.
- The Linux filesystem.
- How to install and configure a basic working Linux system.
- Where to access documentation and resources for independent learning and troubleshooting.

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Required Materials:

Internet Access

Textbook:

The Linux Command Line: A Complete Introduction, by William E. Shotts Jr.
ISBN-10: 1593273894
ISBN-13: 978-1593273897

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Topical Description: (Outline chapters and sections to be covered in the book – may include timeline)

Week	Topics
1	Intro to Linux
2	Bash Shell
3	File System
4	Permissions
5	Commands
6	Redirection/Piping
7	VI
8	I am SuperUser
9	Processes
10	Installation
11	Package Mangement
12	Devices
13	Backup/Restore
14	Manipulating Text
15	Shell Scripts
16	Final

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