

ITN 170 – 020L Linux I Summer 2020

Instructor: Andrew Dudash

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Course Meeting:

Room: Virtual (Online)

Time: Tuesday / Thursdays 6:30 p.m. – 09:05 p.m.

Course Description:

Focuses instruction on the installation, configuration and administration of the Linux operating system and emphasizes the use of Linux as a network client and workstation. Each course offered at NOVA has a college-wide course content summary. This document defines the goals and learning objectives for the course. The course content summary for this course may be accessed [here](#).

Prerequisite:

ITE 115

Textbook Requirements:

Linux+ and LPIC-1 Guide to Linux Certification

By: Jason W. Eckert

Publisher: Cengage

LLF ISBN: 978-1-337-68441-5

Assignments

Lab Software

- We will be using several systems for labs.
 - [The Cyber Range](#)
 - Cengage/MindTap
 - [Over the Wire](#)
- I understand that using several systems is annoying. However, no one lab system is adequate.
- Details on using a system will be provided before the first assignment for that system.
- Cengage/MindTap should be included with your textbook. The remaining labs are provided with this course.

Homework Assignments

- Homework assignments are posted to Canvas.
- Homework assignments must be submitted via Canvas prior to the due date.
- Homework assignments are open book.
- Homework assignments are worth up to a 5% bonus on the first exam after them.
 - Getting 100% on all homework after your second exam and before your third would be +5% on your third exam.
 - Getting 0% on all homework after your second exam and before your third would be +0% on your third exam.
 - Your bonus cannot take you past 100% on an exam.

Lab Assignments

- Lab assignments are posted to Canvas.
- Lab assignments must be submitted via Canvas prior to the due date.

- Lab assignments are open book.
- We will be using several systems for labs.
 - The Cyber Range
 - Cengage/MindTap
 - Over the Wire
- Lab assignments count as 40% of the final course grade.

Exams

- There will be 3 exams.
- Each exam is 20% of your grade.

Final Grade Calculation

Final Grade Calculation	
Exam #1	20%
Exam #2	20%
Exam #3	20%
Labs	40%
Total =	100%

Class Policies

• **Email Communications**

- Please use your college email address for all correspondence with me outside class.
- I cannot respond to a different email.
- This is to protect your personal information.

• **Incompletes**

- You may receive an "I", incomplete, as your grade.
- This is intended for some serious complication.
- To be eligible to receive an "I" grade.
 - ♣ You must have completed more than 60% of the course requirements.
 - ♣ You must request an "I" from me.
- I have the discretion to decide whether the "I" grade will be awarded.

• **Late Work Policy**

- You can avoid any uncertainty in getting your assignment graded by not being late.
- If you predict you will be unable to turn your work in on time, please contact me ahead of time.
 - ♣ Earlier is better.

♣ I may provide an extension.

o If you fail to turn in your assignment on time.

1. Finish the assignment. Do not contact me until you have finished the assignment.

2. Contact me and request a late submission.

Other Important Information

Important Dates

Last day to drop with a tuition refund or change to audit (census date)** - **May 26**

Last day to withdraw without grade penalty*** **June 12** (Please see the linked note! This only applies in certain circumstances.)

Attendance

Your presence and participation in class are assumed. If you are unable to be at class, call or e-mail your instructor. When you do that the instructor has an opportunity to remind you of your responsibilities for the next class meeting. Any student who attends ZERO classes before the census date will automatically be withdrawn from the class.

Course Content Summary

TENTATIVE SCHEDULE		
Date	Class	Subject
Jun 15	1	Module – 1 / Introduction to Linux
Jun 17	2	Module – 2 / Linux Installation and Usage
Jun 22	3	Module – 3 / Exploring Linux Filesystems
Jun 24	4	Module – 4 / Linux Filesystem Management
Jun 29	5	Module - 5 / Linux Filesystem Administration
Jul 1	6	Module - 6 / Linux Server Deployment
Jul 6	7	Module - 7 / Working with the BASH Shell
Jul 8	8	Midterm Exam
Jul 13	9	Module - 8 / System Initialization, X Windows, and Localization
Jul 15	10	Module - 9 / Managing Linux Processes
Jul 20	11	Module - 10 / Common Administrative Tasks
Jul 22	12	Module - 11 / Compression, System Backup, and Software Installation
Jul 27	13	Module - 12 / Network Configuration
Jul 29	14	Module - 13 / Configuring Network Services and Cloud Technologies
Aug 3	15	Module - 14 / Security, Troubleshooting, and Performance
Aug 5	16	Final Exam