

CLASS NUMBER AND NAME:	CSN365- Linux System Administration
TOTAL HOURS/UNITS:	72 Hours /5.0 Units
PREREQUISITES:	CSN260- Basic Linux
TEXTS AND MATERIALS:	<i>Linux + Guide to Linux Certification Fourth Edition</i> <i>Jason W. Eckert.</i> <i>Course Technology Cengage Learning.</i> (ISBN 9781305107168)
CLASS DESCRIPTION:	A combination of lecture, lab exercises and hands on training in the principles of the Linux/Unix administration.
CLASS OBJECTIVES:	This course provides introductory and advanced coverage of Linux System Administration. The text maps completely, CompTIA's Linux+ exam, and the Level 1 Linux Professional Institute (LPI) exam. The course requires many hands-on projects and case projects, which allow students to practice skills as they are learned
CLASS FORMAT OVERVIEW:	This class is a combination of lecture and lab both in class and on line Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.

METHODS OF INSTRUCTION:

As lecture and labs are the principal means of instruction, it will be expected that all students will be present every day to take part in class.

Students are required to read and complete chapter review questions prior to lectures. Upon completion of lectures, the homework will be reviewed and discussed in class.

Excuses are frowned upon – Solutions are encouraged!

NOTE TAKING:

Students should be aware that a reasonable effort at note-taking is a requirement in this class. The main goal of this class is for you to learn basic vocabulary, concepts and skills. Some newer material is not in the text at all; some of the concepts in the text may be difficult to grasp until someone explains them to you. Therefore, note-taking is essential.

CLASS ATTENDANCE:

It is **CRITICAL** to the student's success to attend class every day and that all exercises and projects be completed on time. Attendance will be taken 10 minutes after the beginning of class. *A Student who is not present at this time will be marked absent from the class for that day.* Attendance counts towards 25% of your grade – please notify your instructor in advance if you need to be absent. **A minimum of 80% attendance is required to pass this class. 5 days of absences will put you below this mark**

TESTING:

There are weekly tests based off of the material covered in the book covered during the week. Hands on tests will be given based off of material covered in class supplemental to the books.

LATE TESTING:

There is NO late testing or re-takes. You must attend the day of the test. If you know you will be absent you must make arrangements *in advance*.

GRADING POLICIES:

The grading system for this module consists of the following:

Attendance -----	20%
Labs -----	25%
Homework-----	20%
Weekly exams-----	25%
End of module final-----	10%

FINAL GRADE:

Combined grades from attendance, class participation, exercises, weekly quiz attitude and module final will be graded on the following scale:

- 90 – 100% = A
- 80 – 89 % = B
- 70 – 79 % = C
- 60 - 69 % = D
- 50- 59 % = F

**ANTICIPATED LEARNING
OUTCOMES:**

Upon completing this course, the student will be able to:

1. Configuring the X Windows System for computers
2. Set up, configure and maintain network services
3. Configure and use Samba for connecting to Windows NT Servers
4. Administering Linux in a stand alone, network environment.
5. Setup and administer printing to a NT or W2K machine.

Homework-

Homework consists of three parts. Reading, answering the Review questions at the end of the chapter and on-line labs. Reading and Review questions are due on the day we begin the chapter in class, while the on-line labs will be checked on the day of the test that includes the chapters.

Lab work-

Labs will be completed as listed in Moodle. Answer the questions in the labs as you work through them. Submit the answers in Moodle as requested.

Tests-

Tests will be given as announced. They will be multiple choice presented on Moodle. They will open on Wednesday and close Friday night at midnight. There may also be a hands on component to the test depending on the material covered. They will be done in class in the time given.

Six Week Tentative Schedule

Week 1

Lab Setup
Chapter 1
Chapter 2
Chapter 3
Review
Labs Due
Test

Week 2

Chapter 4
Chapter 5
Review
Labs Due
Test

Week 3

Chapter 6
Chapter 8
Review
Labs Due
Test

Week 4

Chapter 9
Chapter 10
Review
Labs Due
Test

Week 5

Chapter 11
Chapter 12
Review
Labs Due
Test

Week 6

Chapter 13
Chapter 14
Review
Labs Due
Test

