

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Information Technology Systems</u>
COURSE RUBRIC AND NUMBER	<u>ITSC 1316</u>
COURSE TITLE	<u>Linux Installation and Configuration</u>
COURSE CREDIT HOURS	<u>3 3 : 1</u> Credits Lec Lab

I. Catalog Description

Provides the introduction to Linux Operating System. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux. **(3:1)**.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Identify the hardware components that are available on a standard PC.
- B. Reconfigure a hard drive to have partitions available for the installation.
- C. Install Linux on the pre-configured partition.
- D. Configure a boot loader.
- E. Use the basic features of vi, the basic text editor used on Linux systems.
- F. Configure the init process and manage startup scripts.
- G. Configure the system so that it will operate on a LAN with a dedicated IP address.
- H. Configure the system so that it will operate on a LAN with a DHCP provided IP address.
- I. Provide basic security for a system operating on a LAN.
- J. Manage (add, modify, and delete) file systems.
- K. Manage (add, modify, and delete) Users.
- L. Administer optional software packages.

III. THECB Learning Outcomes (WECM)

1. Install, administer, and manage a Linux system.
2. Demonstrate proficiency with Linux utilities, commands, and applications.
3. Identify and resolve security-based issues.
4. Integrate a Linux system into an existing network.

IV. Evaluation

- A. Preassessment
None

B. Postassessment

1. There will be four (4) written examinations. The final exam will be comprehensive.
2. Lab assignments will be assigned at the instructor's discretion and will be averaged on a 100-point scale.

C. Remediation

The instructor may provide the students with means of improving a grade. The instructor will determine the timing, form, and method of remediation.

D. Final Grade

The final grade report will be based on the percentage of the total points earned.

Final Percentage	Letter Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-1 12 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.