

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u>Information Technology Systems</u>
<b>COURSE RUBRIC AND NUMBER</b>	<u>ITSC 1316</u>
<b>COURSE TITLE</b>	<u>Linux Installation and Configuration</u>
<b>COURSE CREDIT HOURS</b>	<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 in it 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.