



Course Information

Course Title	UNIX Operating System I
Course Prefix, Num. and Title	ITSC 1307 - UNIX Operating System I
Division	Technology and Business
Department	Computer Science
Course Type	WECM Course
Course Catalog Description	Introduction to the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Includes introductory system management concepts.
Pre-Requisites	ITSC 1305
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	3:2:2
Lab/Other Hours	
Equated Pay Hours	3
Lab/Other Hours Breakdown: Lab Hours	2
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Topics Covered

- UNIX/Linux File Systems and File Security
- Editors
- Shell Script Programming
- UNIX/Linux Utilities
- User accounts

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

Use basic UNIX commands; apply terminal emulation; use a system editor; and manage individual user accounts and files.

Methods of Assessment:

All outcomes will be assessed by one or more of the following:

- Projects
- Tests and Quizzes
- Lab Assignments
- Final Exam

Required text(s), optional text(s) and/or materials to be supplied by the student:

- Guide To UNIX Using Linux by Palmer ISBN # 978-1-4188-3723-5
- USB Flash Drive
- High-speed Internet Connection

Suggested Course Maximum:

- 24 Sugar Land
- 16 Fort Bend Tech Center
- 16 Wharton

List any specific or physical requirements beyond a typical classroom required to teach the course.

- Unix or Linux operating system software licensed for each student (evaluation version is appropriate)
- Computer for each student where operating system can be installed (use of Linux through VirtualPC is appropriate for this course)

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Course Requirements:

- Labs: 20-40%
- Homework: 20-40%
- Tests & Final Exam: 40-60%
- Attendance & Participation: 0-20%

Grading System:

- 100-90 = A

89-80 = B
79-70 = C
69-60 = D
and below = F

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist