



Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title - UNIX Operating System I

Course Prefix and Number - ITSC 1307

Department – Computer Science

Division – Technology & Business

Course Type: (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture Hours #: Lab/Other Hours #: 3:2:2

Equated Pay hours for course - 3

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.

Prerequisites/Co-requisites – ITSC 1305

List Lab/ Other Hours
Lab Hours 2
Clinical Hours 0
Practicum Hours 0
Other (list) 0

Prepared by: Donna Schilling

Date: 07-19-2015

Reviewed by Department Head: Donna Schilling

Date: 07-19-2015

Accuracy verified by Division Chair: David Kucera

Date: 8/12/15

Approved by Dean or Vice President of Instruction: Leigh Ann Collins

Date: 3-4-16



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

Topics Covered

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

II. Course Learning Outcomes

Learning Outcomes	Methods of Assessment
<p>Upon successful completion of this course, students will:</p> <p>Use basic UNIX commands; apply terminal emulation; use a system editor; and manage individual user accounts and files.</p>	<p>All outcomes will be assessed by one or more of the following:</p> <p>Projects Tests and Quizzes Lab Assignments Final Exam</p>

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

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

IV. Suggested Course Maximum –

24 Sugar Land
16 Fort Bend Tech Center
16 Wharton

V. List any specific spatial 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)

VI. 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		<i>Grading System –</i>	
Labs	20-40%	100 -90	= A
Homework	20-40%	89 - 80	= B
Tests & Final Exam	40-60%	79 - 70	= C
Attendance & Participation	0-20%	69 - 60	= D
		and below	= F

VII. Curriculum Checklist

- **Academic General Education Course** (from ACGM – but not in WCJC Core)
No additional documentation needed
- **Academic WCJC Core Course**
Attach the Core Curriculum Checklist, including the following:
 - Basic Intellectual Competencies
 - Perspectives
 - Exemplary Educational Objectives
- **WECM Courses**
If needed, revise the Program SCANS Matrix & Competencies Checklist.