

CATALOG INFORMATION

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Dept & Nbr: CSC 105                    Title: UNIX OPERATING SYSTEM I  
Full Title: UNIX Operating System I

Units	Course Hours	Per Week	Nbr of Weeks	Course Hours	Total
Max: 1.5	Lecture	1.2	17	Lecture	20.4
Min: 1.5	Lab	0.8		Lab	13.6
	Contact DHR	0.0		Contact DHR	0.0
	Contact Total	2.0		Contact Total	34.0
	Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic  
Grading: GC Credit course for grade or CR/NC  
Repeatability: 01 2 ENROLLMENTS  
Also listed as:

CATALOG DESCRIPTION:

An introduction to the UNIX operating system. Many computers on the Internet and at universities are UNIX based machines.

PREREQUISITES:

COREQUISITES:

RECOMMENDED PREPARATION:

Computer literacy

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:

Recommended: Computer literacy  
Be prepared for working on the large computers at most universities as well as a significant number of systems on the Internet. Learn common UNIX commands for file manipulation such as save, retrieve and find out about the shell. (Grade or CR/NC) (Repeat Code 1)  
Transfer Credit: CSU.

ARTICULATION and CERTIFICATE INFORMATION

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ASSOCIATE DEGREE:                    Effective: FALL    2007   Inactive:  
Area:                                    D2    COMMUNICATIONS & ANALYTICAL THINKING

CSU GE:                                    Effective:                    Inactive:  
Transfer area:

IGETC:                                    Effective:                    Inactive:  
Transfer area:

CSU TRANSFER: TRANSFERABLE    Effective: FALL    1981   Inactive:

UC TRANSFER:

Effective:

Inactive:

CAN:

CERTIFICATE APPLICABLE: N NOT CERTIFICATE/MAJOR APPLICABLE

#### APPROVAL AND DATES

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Version 02 Submitted by: TONIA WIDLER Date: 03/07/2007  
Department approved: Debra Polak Date: 03/07/2007  
Curriculum approved: 06/01/1981 Version approved: 02/23/2007  
Prerequisites approved: 06/01/1981 Last reviewed: 02/23/2007  
Term effective: FALL 2007 Last taught: FALL 2008 Inactive:

#### COURSE CONTENT

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##### OUTCOME AND OBJECTIVES:

1. Utilize basic UNIX commands, such as file and directory manipulation.
2. Demonstrate knowledge of the shell concept.
3. Perform editing in the UNIX environment.

##### TOPICS AND SCOPE:

1. Common general purpose commands
2. File manipulation
3. Introduction to the shell
4. Editing

##### ASSIGNMENTS:

###### READING ASSIGNMENTS:

Students are required to read and study the assigned materials.  
Examples of appropriate reading are: Running Linux by Matt Welsh and Lar Kaufman, O'Reilly publishing, August 1996 A UNIX or Linux manual

###### WRITING ASSIGNMENTS:

Students are required to submit documentation materials as appropriate  
Substantial writing is inappropriate because the course primarily involves the application of skills learned in the course.

###### OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of two hours of independent work out of class for each unit of lecture credit by doing the following:

1. Creating UNIX commands utilizing the techniques and concepts discussed in class.
2. Reading assignments as assigned.
3. Completion of assigned exercises for each unit of instruction.

###### ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

1. Translate a verbal assignment in the logical steps needed to complete the assignment.
2. State the logic used in a process.
3. Analyze the processes involved in many of the topics covered.

##### METHOD OF INSTRUCTION:

Lectures, demonstrations, group activities, hand outs, reading assignments, class discussion.

###### FOR DISTANCE EDUCATION COURSES:

The content of this course is delivered using some form or forms of distance technology such as television, videotape, audiotape, or the Internet. For telecourses, no less than 11 hours of personal contact between instructor and students shall be included through: group or individual meetings; orientation and review sessions; supplemental in-person activities.

For on-line courses, instructor/student contact may take place in a face-to-face setting and/or through e-mail or other electronic means. Students may interact with each other through in-person study groups, electronic message boards, or other means.

**METHODS OF EVALUATION:**

1. Skill demonstration will constitute at least 40% of the grade. 2. Quizzes, tests, evaluations of in-class projects. 3. Comprehensive final exam will constitute at least 10% of the final grade.

**BASIS FOR GRADING:**

The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

**REPRESENTATIVE TEXTBOOKS:**

Textbook similar to: Running Linux by Matt Welsh and Lar Kaufman