

10/21/2022 DATE



REQUIRED COURSE



ELECTIVE COURSE

Business DIVISION

☐ NEW COURSE☒ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	CIS-073		TITLE: (30 Characters Max)		Survey of Operating Systems						
SEM CR HRS:	3	Lecture:	2		Lab:	2	ECH:		4		
Course Level:	<input type="checkbox"/> Gen Ed / IAI	<input checked="" type="checkbox"/> Career/Technical	Clinical Practicum:		0	Work-based Learning	0	WBL ECH:	0		
	<input type="checkbox"/> Baccalaureate /Non-IAI	<input type="checkbox"/> Dev Ed/ Not in Degree Audit									
COURSE PCS #	1 - .52: 1204		IAI Code				Contact Hours Per Week				
Repeatable (Y/N):	Y	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	200	8 Wks	400
Prerequisites:											
Catalog Description: (40 Word Limit)	An overview study of Operating Systems from command line systems through 32-bit and 64-bit GUI interface Operating Systems. The broad exposure is appropriate for the beginner, but the depth of study also makes it appropriate for the advanced student.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Introduction	1			
DOS	9	10		
PowerShell	8	8		
Unix / Linux	12	12		
TOTAL	30	30	0	0

EVALUATION

QUIZZES <input type="checkbox"/>	EXAMS <input type="checkbox"/>	ORAL PRES <input type="checkbox"/>	PAPERS <input type="checkbox"/>
LAB WORK <input checked="" type="checkbox"/>	PROJECTS <input type="checkbox"/>	COMP FINAL <input type="checkbox"/>	OTHER <input type="checkbox"/>

COURSE MATERIALS

TITLE:	Learn Windows PowerShell in a month of lunches	
AUTHOR:	Jones	
PUBLISHER:	Hanning Publications	
VOLUME/EDITION/URL:	3rd	
COPYRIGHT DATE:	2016	

TITLE:	Linux Administration: A Beginner's Guide	
AUTHOR:	Soyinka	
PUBLISHER:	McGraw-Hill	
VOLUME/EDITION/URL:		
COPYRIGHT DATE:	2012	

TITLE:	A Guide to Unix Using Linux	
AUTHOR:	Dent & Gaddis	
PUBLISHER:	Course Technology	
VOLUME/EDITION/URL:	4th	
COPYRIGHT DATE:	2008	

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Introduction	1	Identify the range and structure differences in a variety of OS.
DOS	19	Explain and demonstrate the validity of DOS usage today. A. File system structure B. Scripting C. Batch File construction
PowerShell	16	Explain and demonstrate the basic functionality of PowerShell in a modern OS. A. Command structure B. File System control C. OS interaction

Unix / Linux	24	Explain the varieties of Unix / Linux and its similarities to the other OS. A. History B. Architecture C. File System D. Interoperability
Insert New Line Above this Line		
	60	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	• Create command-line batch scripts.
	• Understand the fundamentals of PowerShell and create PowerShell scripts.
	• Understand Unix and be able to use a Linux system.

* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.