10/24/2022 DATE

☑ REQUIRED COURSE
☑ ELECTIVE COURSE

Business DIVISION
☐ NEW COURSE
☑ REVISION

Lake Land College
Course Information Form

COURSE NUMBER:	CIS-084	TITLE: *(30 Characters Max)*		Server Operating System			

SEM CR HRS:	3	Lecture:	2	Lab:	2		ECH:	4

Course Level:	☐ Gen Ed / IAI ☐ Baccalaureate /Non-IAI	☐ Career/Technical ☐ Dev Ed/ Not in Degree Audit	Clinical Practicum:	0	SOE/ Internship:	0	SOE ECH:	0

COURSE PCS #	12	IAI Code			Contact Hours (Minutes 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:	CIS-079

Catalog Description: (40 Word Limit)	A comprehensive examination of server operating systems. Course of study includes, but is not limited to, Microsoft server operating systems. Topics include installation, configuration, optimization, administration, network integration, and other support issues.

	List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
1	Introduction	2			
2	Windows Architecture	3			
3	Implementation and Support	7			
4	Administration and Control	7			
5	Networking and Communications	7			
6	Printing	2			
7	Troubleshooting	2			
8	Lab Exercises		30		
9					
10					
	TOTAL	30	30	0	0

EVALUATION

QUIZZES ☑	EXAMS ☑	ORAL PRES ☐	PAPERS ☑
LAB WORK ☑	PROJECTS ☑	COMP FINAL ☑	OTHER ☐

COURSE MATERIALS

TITLE:	Hands on MS Windows Server 2019	
AUTHOR:	Eckert	
PUBLISHER:	Cengage Learning, Inc.	
VOLUME/EDITION/URL:	3rd Edition	
COPYRIGHT DATE:	2021	

TITLE:	Hands on MS Windows Server 2016	
AUTHOR:	Palmer	
PUBLISHER:	Cengage Learning, Inc.	
VOLUME/EDITION/URL:	2nd Edition	
COPYRIGHT DATE:	2018	

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Introduction	2	Identify the differences between Windows and other Operating Systems and the advantages and disadvantages.
Windows Architecture	3	Identify and explain the various components of the Windows Operating System. A. System Architecture B. File Systems C. Boot Sequence
Implementation and Support	7	Explain how to effectively implement and then support Windows. A. Installation B. Account Administration C. Environment Configuration D. Choosing a File System E. Supporting Applications

Administration and Control	7	Describe and explain the procedures for the control over the system's physical resources. A. Protecting Local Resources B. Securing the System C. Optimizing Performance D. Workgroups and Domains
Networking and Communications	7	Describe the methods by which data transfers are handled by the Operating System. A. Network Architecture B. Interoperability – IPX and TCP/IP C. Accessing Network Resources D. Remote Access Service
Printing	2	Explain the methods by which the Operating System handles file printing. A. Printing Model B. Print Manager
Troubleshooting	2	Be able to analyze normal functions, identify abnormal functions, and use appropriate tools to correct problems. A. Diagnostic Utilities B. Diagnostic Exercises C. Other Resources
Insert New Line Above this Line		
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
• Describe the major functions of a server OS.	
• Configure a domain controller.	
• Understand the basics of Active Directory.	

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