10/24/2022 DATE

☑ REQUIRED COURSE
☑ ELECTIVE COURSE

Business DIVISION
☐ NEW COURSE
☑ REVISION

Lake Land College
Course Information Form

COURSE NUMBER:	CIS-085		TITLE: *(30 Characters Max)*		Advanced Server Operating Systems		

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-084

Catalog Description: (40 Word Limit)	An advanced course in the design, installation, configuration, and support of a Local Area Network using the server operating systems and their tools.

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
1 Introduction	2			
2 Server Installation and Configuration	3			
3 Active Directory	9			
4 Administration and Control	4			
5 Networking and Interoperability	6			
6 Integration	6			
7 Lab Exercises		30		
8				
9				
10				
TOTAL	30	30	0	0

EVALUATION

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

COURSE MATERIALS

TITLE:	Windows Server 2012 R2 Inside Out Vol. 2 Services, Security	
AUTHOR:	Stanek	
PUBLISHER:	Pearson Education	
VOLUME/EDITION/URL:	1st Edition	
COPYRIGHT DATE:	2014	

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Introduction	2	Identify the differences between Server and Pro versions.
2000 Server Installation and Configuration	3	Identify and explain the options of and steps involved in the installation process.
Active Directory	9	Explain the purpose of Active Directory and examine the detailed function of AD in an enterprise environment.
Administration and Control	4	Describe and explain the procedures for the control over the system's physical resources. A. File Systems B. Routing and RAS C. Security
Networking and Communications	6	Describe the methods by which data transfers are handled by the Operating System.
Integration	6	Explain the processes involved with integrating a mixed networking environment.
Insert New Line Above this Line		
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
• Configure Active Directory.	
• Create group policies.	
• Set up and configure virtual machines.	

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