	10/17/2022 DATE	
✓	REQUIRED COURSE	
✓	ELECTIVE COURSE	

Technology	DIVISION
	NEW COURSE
J	REVISION.

Lake Land College

						Course Information Fo	orm								
COURSE NUMBER:		CAD-058		TITLE: (30 Characters	(Con		Comp	Computer Aided Drafting Systems							
SEM CR HRS:	2		Lecture:			1			Lab:	2				ECH:	3
Course Level:			d / IAI Ilaureate /Non-IAI			Technical Not in Degree Audit	Clini	cal Practi	cum:	0	Int	SOE/ ernship:	0	SOE ECH:	0
COURSE PCS #			12.151302			IAI Code				Contact Hours (Minut			utes Per We	ek)	
Repeatable (Y/N):	N		Pass/Fail (Y/N):		И	Variable Credit (Y/N):	Ν	Min:		Max:		16 Wks	150	8 wks	300
Prerequisites:		CAD	I (CAD-056)												
Catalog Description: (40 W Limit)			course familiarizes the agement and customiz			h the setup, use and features D are also studied.	of va	rious CAE) syste	ms. Suo	ch subje	cts as op	erating syster	ns, file	
	l	_ist th	ne Major Course Segn	nents (U	nits))		Conta Lectu Hou	ıre	Contac Ho		Clinica	l Practicum	Non-C Internshi	

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
Operating Systems	2	4		
CAD Drawing Management	1	2		
Customizing AutoCAD	4	8		
Software Installation	1	2		
CAD Software Configuration	1	2		
CAD Linetypes % Hatch Patterns	2	4		
CAD Menu Customization	2	4		
Autolisp Programming	2	4		
TOTAL	15	30	0	0

		Т	OTAL	15	30	0	0
			-		-	-	
		EVALUATION					
QUIZZES 🗸	EXAMS 🗹		ORALI	PRES		PAPERS	
LAB WORK 🗹	PROJECTS ✓		COMP FI	INAL 🗌		OTHER	
					·		
		COURSE MATERIAL	S				
	Customizing AutoCAD 2012						
	Sham Tickoo						
PUBLISHER:	Delmar – Thompson Learning						
VOLUME/EDITION/URL:							
COPYRIGHT DATE:	2012						

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Operating Systems	3	Evaluate the features of the current operating system.
Windows Operating System	3	Locate, view and edit text files.
CAD Drawing Management	3	Develop and maintain an organized system for drawing files.
Template drawings	3	Create and use template drawings.
Script Files	3	Write a custom AutoCAD script file.
Line Types	3	Create and use custom line types.
Hatch Patterns	3	Create custom hatch patterns

Program Parameters	3	Customize the ACAD.PGP file to add command aliases.
CAD Menu Customization	3	Customize the AutoCAD menu.
Toolbars	3	Produce custom toolbars.
Toolbars	3	Create an Image Tile Menu.
Basic Autolisp	3	Control basic Autolisp functions.
Autolisp Programming	3	Write and use Autolisp programs.
		Create a complex drawing to demonstrate
Comprehensive Drawing	6	comprehension of advanced techniques.
	45	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
Navigate the current computer operating system.	
Demonstrate knowledge of CAD template files	
Create custom line types and hatch patterns.	
Customize the CAD user interface.	
Use computer programming language to automate C	AD operations.

 $^{^{\}star}$ Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.