6/11/2013	DATE	Technology	DIVISION
Х	REQUIRED COURSE		NEW COURSE
	ELECTIVE COURSE		REVISION

LAKE LAND COLLEGE Course Information Form

COURSE NUMBER <u>CAD</u>	057	TITLE	Computer-A	Aided Dra	fting II (CA	AD II)	
SEM CR HRS 3.0	LT HRS	1.0	_ LAB HRS	4.0	SOE HRS	ECH	
COURSE PCS#					(Assig	ned by Adminis	stration)
Prerequisites:	CAD I (CAD	056)					
Catalog Description	on (40 Word L	.imit): 7	This course is	a continua	ation of CA	AD I (CAD056).	Such
subjects as Symbo	ol Libraries, I	Block Att	ributes, 3-D D	esign, So	lid Modelin	g and Slide Sho	ows are
studied. Prerequis	ite: CAD056.						
List the Major Cour	se Segments	(Units)			Lt Hrs	Lab Hrs	
Graphing with CAD Symbol Libraries Advanced Dimension Attributes Isometric Drawing 3-D Wireframe Draw 3-D Surfaces Paper Space/Mode Solid Modeling Slide Shows	oning wing			1.5	1.5 1.5 1.0 2.0 2.0 2.0 1.0 1.5	6.0 6.0 4.0 8.0 8.0 8.0 4.0 4.0 6.0	
EVALUATION:	Quizzes Lab Work		ams X ojects X	_		Papers Other	_
Textbook:	T	itle: /	Applying Auto	Cad 2012			
	Aut	hor:	Terry T. Wohle	ers			
	Publis	her: (Glencoe McGr	aw - Hill			
	Volume/Edi	tion:					
	Convright D	ate: 3	2012				

Major Course Segment Hours

Learning Outcomes

The student will be able to:

Graphs and Charts	5.0	Create graphs and charts using CAD		
Blocks and Wblocks	5.0	Use a symbol library to create an architectural floor plan.		
Drawing Setup	5.0	Calculate plot scale and use it to setup CAD drawings		
Dimensioning	5.0	Use dimension settings to control various types of dimensions		
Defining Attributes	5.0	Assign information to drawing blocks		
Attribute Extraction	5.0	Extract attribute information from a drawing		
Isometric Drawing	5.0	Create an isometric drawing		
Basic 3-D Drawing	5.0	Create a simple 3-D drawing		
Viewing in 3-D	5.0	View a 3-D drawing using various methods		
User Coordinate Systems	5.0	Setup coordinate systems in 3-D space		
3-D Surfaces	5.0	Use 3-D surfacing commands		
Paper Space	5.0	Use paper space to display and plot 3-D drawings		
Solid Modeling	5.0	Create a solid 3-D model		
Slide Shows	5.0	Compile a slide show of CAD drawings		

Course Outcomes: At the successful completion of this course, the students will be able to:

- Create an architectural drawing using library symbols.
- Demonstrate knowledge of setting up and scaling CAD drawings.
- Extract information in a CAD drawing to a spreadsheet.
- Demonstrate various techniques to create and display 3D surface models.
- Demonstrate various techniques to create and display 3D solid models.