Republic of Iraq
The Ministry of Higher Education and
Scintific Resrearch
Supervision and Scientific Evaluation Body

College : Shatt Al Arab
University College
Department : Mechanical
Power Engineering Techniques
Stage: first
Lecturer Name : Iman ghazi
Mohammed
has Academic Status : Lecturer

Course Weekly Outline

Course Lecturer	**Iman ghazi Mohammed**		
e-mail	Emman.ghazzy@sa-uc.edu.iq		
Title	**Engineering Drawing**		
Course Coordinator	**Mechanical Power Engineering Techniques**		
Course Objective	**Increasing engineering awareness and using the basics of engineering drawing and using technology for drawing Scale analysis with the ability to determine binary projections and draw triangular shapes**		
Course Description	**Discussions between different student groups about the application of theories. Establishing workshops and theoretical presentation on how to use the basics of drawing to draw simple and complex electrical and electronic circuits Use of various means to increase understanding and clarification. Extra-curricular discussions and assignments to increase understanding of graphic examples and applications used in applications and electronic circuits**		
Textbook	**Mastering AutoCAD 2010 and AutoCAD LT 2010 1st Edition**		
References	**AutoCAD 2010 Command Reference, AutoCAD tutorial 2011**		
Course Assessment	**Quizzes and Attendance Project**	**Term Exam**	**Final Exam**
	%40	**%10**	**%50**
General Notes			

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College : Shatt Al Arab University College
Department : : Mechanical Power Engineering Techniques
Stage: first
Lecturrer Name: Iman ghazi Mohammed
Academic Status: Assist.Lecturar
Qualification: Lecturrer at : Shatt Al Arab University College

Week	Date	Topics Covered	Number of Hours	Notes
1		Introduction to Autodesk AutoCAD •Starting the Software •User Interface •Working with Commands •Cartesian Workspace •Opening an Existing Drawing File • Saving a Drawing File	**3**	
2		Basic Drawing & Editing Commands •Drawing Lines •Erasing Objects •Drawing Lines with Polar Tracking •Drawing Rectangles •Drawing Circles • Undo and Redo Actions	**3**	
3		Projects - Creating a Simple Drawing •Create a Simple Drawing • Create Simple Shapes	**3**	
4		Drawing Precision in AutoCAD •Using Running Object Snaps •Using Object Snap Overrides •Polar Tracking at Angles •Object Snap Tracking • Drawing with Snap and Grid	**3**	
5		Making Changes in Your Drawing •Selecting Objects for Editing •Moving Objects •Copying Objects •Rotating Objects •Scaling Objects •Mirroring Objects • Editing with Grips	**3**	

6		Advanced Object Types •Drawing Arcs •Drawing Polylines •Editing Polylines •Drawing Polygons • Drawing Ellipses	**3**	
7		Advanced Editing Commands •Trimming and Extending Objects •Stretching Objects •Creating Fillets and Chamfers •Offsetting Objects • Creating Arrays of Objects	**3**	
8		Mid-term exam	**3**	
9		Adding Dimensions •Dimensioning Concepts •Adding Linear Dimensions •Adding Radial and Angular Dimensions •Editing Dimensions Text •Working with Annotations •Adding Text in a Drawing •Modifying Multiline Text •Formatting Multiline Text •Adding Notes with Leaders to Your Drawing	**3**	
10		Hatching •Hatching •Editing Hatches	**3**	
11		3D modeling	**3**	
12		Convert 2D To 3D.	**3**	
13		Exercises drawing	**3**	
14		Printing Your Drawing •Printing Layouts •Print and Plot Settings	**3**	
15		Preparatory week before the final Exam	**3**	

Lecturer signature **Head of Department Signature**