



AL IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY  
COLLEGE OF ENGINEERING  
Department of Civil Engineering

Course Information	
Course Code and Name:	GE 103 Engineering Graphics and Design
Credit Hours:	3 (3 Lecture + 1 Tutorial)
Prerequisites:	None

Course Description
Use of computer drafting software (AutoCAD) to model parts and assemblies. Use of parametric and non-parametric solids, surface and wire frame models. Part editing, two-dimensional documentation of models. Planar projection theory, including sketching of perspective, isometric, multi-view, auxiliary, and section views. Spatial visualization exercises. Dimensioning guidelines, tolerance techniques. Team or individual design project.

Textbook			
Title	Fundamentals of Graphics Communications		
Authors	Gary Bertoline, Hartman, Ross		
Publisher	McGraw-Hill (USA)	Year and Edition	2009, 6 <sup>th</sup> edition

Course Contents
1. Introduction to Engineering Design and Drawing.
2. Introduction to AutoCAD.
3. Introduction to different type of views.
4. Orthographic views.
5. Isometric (2D and 3D)
6. Section Views.
7. Drawing Readings.
8. Geometric dimensioning and scaling.

<b>Academic Coordinator</b>	<b>Signature</b>
Dr. Khalil Hajlaoui	



Official Stamp