University of Salahaddin – College of engineering – Civil engineering Department

Module Name	Engineering Drawing & Descriptive Geometry			Course Status	Core
Frequency	Yearly in fall semester	Code	1109	Credit point	5
Duration:	15 week – 1 semester			Module Language	English
Pre-requisites	Non			Required Level	
Course Description	Drawing is the universal language of engineering, Descriptive Geometry is representation of bodies on a plane surface as the plane of paper using coordinates, in which the shape and real dimension of these bodies can be determined from direct measuring of that drawing. Engineering drawing and descriptive course will include the following subjects: 1- Perspective and orthographic Projections 2- Sectional Views of solid objects 3- Pictorial drawing: Isometric Drawing 4- Descriptive Geometry				
Course Objectives	This module is intended to give students a good understanding of projecting of any solid object on the three main planes: horizontal, vertical and profile plane. For extra details, one or two of the projections could be drawn in sections. Imagining and drawing isometric shapes using projection and sectional views, representation of three-dimensional objects in two dimensions by using a specific set of procedures and using coordinates for this purpose.				
Learning Outcome	By the end of the semester, students would be able to: a- Drawing the projections on any solid object. b- Drawing the Sectional Views of any solid object. c- How to draw Isometric (3D) shapes. d- Learning the principles of Descriptive Geometry.				
Literature & text Books	1-Engineering Drawing by K. Reddy 2-Fundamentals of engineering Drawing by W. Luzadder				
Type of Teaching	Theory Lectures		Tutorial	Practical	
	2 hr		0 hr	2 hr	
Evalution Profile	Students are required to first midterm exam on 8 week, class room activities, quizzes, home works and final exam on week 15th. So that the final grade will be based upon the following criteria:				
	Midterm Exam (90 min written exam at week 8)				20 %
	Class Room Activities, quizes, assignments (during the course period)				30 %
	Final Course Exam	written exam (120 min written exam week 15)			30 %
		Practical Lab. exam (week 15)			20 %
Work load:	Total Work Load 135 hr		Class Attendence 60 hr	Self Studies 75 hr	