

## University of Salahaddin – College of engineering – Civil engineering Department

Module Name	Engineering Drawing			Course Status	Core
Frequency	Yearly in fall semester	Code	106	Credit point	3
Duration:	15 week – 1 semester			Module Language	English
Pre-requisites	Non			Required Level	
Course Description	<p>Engineering drawing is a formal and precise way of communicating information about the shape, size, features and precision of physical objects. Drawing is the universal language of engineering.</p> <p>Engineering drawing will include the following subjects:</p> <p>1- Principles of Engineering Drawing:                  2- Geometrical operations:                  3- Dimensions:</p>				
Course Objectives	<p>This module is intended to give students a good understanding of Basic instruments, lettering, types of lines and scales. Bisecting and dividing of lines and angles. Parallel of lines and arcs. Drawing pentagon, hexagon, heptagon and octagon. Drawing arcs tangent to lines and given Arcs. Drawing Ellipse by four center methods. Theory of dimensioning.</p>				
Learning Outcome	<p>By the end of the semester, students would be able to:</p> <p>a- Learning the principles of Engineering Drawing, drawing different types of lines.                  b- Drawing shapes using geometrical operation using drawing instruments only.                  c- How to draw shapes by reducing and enlarging scale.                  d- Dimensioning drawing technique.</p>				
Literature & text Books	1-Engineering Drawing by K. Reddy 2-Fundamentals of engineering Drawing by W. Luzadder				
Type of Teaching	Theory Lectures	Tutorial	Practical		
	0 hr	0 hr	4 hr		
Evaluation 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, quizzes, assignments (during the course period)				30 %
	Final Course Exam	Written exam (120 min written exam week 15)			15 %
Practical exam (120 min written exam week 15)			35 %		
Work load:	Total Work Load 81 hr		Class Attendance 60 hr	Self Studies 21 hr	