Date:	Examination No.: ------	Version:	Start: 23/1/2022
Module Name - Code	Engineering Mechanics and strength of Materials.8128		
Module Language:	English		
Responsible:	Dlven Kareem Mawlud		
Lecture (s):	Dlven Kareem Mawlud		
College:	College of Engineering – Salahaddin University		
Duration:	15 week – 1 semester		
Course outcomes:	1- To apply knowledge of mathematics, science, for engineering applications 2- Ability to identify, formulate, and solve engineering & real life problems 3- Ability to design and conduct experiments, as well as to analyze and interpret data.		
Course Content:	Units, Engineering mechanics, Rigid body mechanics, Newton's third low of motion, position vectors, Force vectors directed along a line, Moment of force Scalar formation, the free body diagram, Resultant momentum, couple moment, free body diagram, support type and reaction, equilibrium of a rigid body.		
Literature:	Strength of Materials, 3e Vol. II : Advanced Theory and Problems [Print Replica] Kindle Edition. Mechanics of Materials Kindle Edition by M. G. James (Author), S. P. Timoshenko (Author) Format: Kindle Edition .		
Type of Teaching:	3 hrs lectures 1 hr Tutorial		
Pre-requisites:			
Frequency:	Yearly in spring semester		
Requirements for credit points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: Oral/Written (written if 6 students or more) [Oral minimum 30 min / Written 120 min] **Student's attendance is required in all classes**.		
Credit point:	4		
Grade Distribution:	The Grade is generated from the examination result(s) with the following weights (w): Theoretical Part "w": 100% Effort: 40 % [20% midterm exam + 20% quizzes and assignments] Final:60%		
Work load:	The workload is 120h. It is the result of 60h attendance and 60h self studies.		