

Date:	Examination No.:	Version:31/9/2023	Start: 31/9/2023
Module Name - Code	Computer Application (CAD Software)		
Module Language:	English		
Responsible:	Lecturer Dr. Muhammad Ismaiel Omer		
Lecture (s):			
College:	College of Engineering – Salahaddin University		
Duration:	15 week – 1 semester		
Course outcomes:	At the end of the semester, the student would be able to: Apply selected (ETABS & SAFE) engineering design software for the analysis and design of structures.		
Course Content:	The course covers analysis and design programs. These programs include modeling (grid system, story data, extruding, auto mesh, shell, wall, ramps, auto edge constrained, model explorer, column, beams, slab, retaining walls, footing, and mat foundation and stairs), loading (dead, super dead, live, wind load, special loading, and seismic loads), analysis, design, and detailing of 10 story building.		
Literature:	1-User's Guide ETABS®2019 Integrated Building Design Software 2. Concrete Frame Design Manual ACI 318-19 For ETABS® 2019		
Type of Teaching:	4 hrs laboratory working.		
Pre-requisites:			
Frequency:	Yearly in the spring semester		
Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. The module exam (practical) contains: [Working 120 min for practical] Students' attendance is required in all classes.		
Credit point:	5		
Grade Distribution:	The Grade is generated from the examination result(s) with the following 15% activity 35% mid-term exam 50% final exam		
Workload:	The workload is 150h. It is the result of 60h attendance and 90h self-studies.		