

Department of Civil Engineering			
Structural Analysis Lab. (61318)			
Total Credits	1		
major compulsory			
Prerequisites	P1 : Structural Analysis II (61317) P11Synch. : Structural Analysis II (61317)		
Course Contents			
Practical applications to various topics covered in Structure analysis (1) and (2).			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	Apply knowledge of mathematics, science and engineering to analysis structures	A	50 %
2	. Use the techniques and skills that are necessary for engineering practice.	K	50 %
Textbook and/ or References			
Al-Qasem, I; Asmah, L .Stuctural Analysis Lab Manual , An-Najah National university , 2013.			
Assessment Criteria		Percent (%)	
Mid. Term Exam		35 %	
Quizzes		10 %	
Homeworks		5 %	
Final Exam		50 %	
Course Plan			
Week	Topic		
1	Introduction		
2 &3	Plane trusses		
4	Space trusses		
5 &6	Continuous beams		
7	Settlements, springs, symmetry		
8	Midterm exam		
9 &10	Plane frames		
11 &12	Plane grid		
13 &14	Space frames		
15	Final exam		