

Faculty of Engineering & Technology**Structural Mechanics****Information :****Course Code :** MEC361**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Mechatronics Engineering**Instructor Information :**

Title	Name	Office hours
Lecturer	AMR MOHAMED METWALLY ISMAIEL	3
Assistant Lecturer	Amira Khaled Hasan Mohamed Elkodama	

Description :

Displacement and deflections, Statically indeterminate structures, Energy methods applied to bar problems, Buckling of columns, Curved beams, Analysis of bars of thin walled sections in shear, Transverse shear, torsion, shear center, Analysis of axi-symmetric shells: thin walled cylinders, spheres, cones, discontinuity stresses, Introduction to structural analysis by matrix methods, Stresses in elastic structures with applications.