

Faculty of Engineering & Technology

Mechanical Design 1

Information :

Course Code : MEC362

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Mechatronics Engineering

Instructor Information :

Title	Name	Office hours
Associate Professor	Hassan Mohamed Shams Eldin Elsayed Eleashy	1
Teaching Assistant	Donia Waheed Mohamed Abdelmonem Saleem	

Description :

Introduction to Mechanical Engineering Design, Failures resulting from static loading and from dynamic loading. Design of Mechanical Elements: Shafts, Shaft components, screws, fasteners, the design of nonpermanent joints, Welding, Bonding, the design of permanent joints and Mechanical Springs. Bearings (Rolling-contact bearing, journal Bearing). Application of CAD and Solid Works is illustrated and encouraged. Group design project