Program and Degree: **BSc in Aerospace Engineering**	
Course Description	
Course Title	**Strength of Materials Laboratory**
Prerequisites	Strength of Materials
The course aims	Students' acquaintance with the properties of materials and the behavior of strength and material deformation 1- Ability to carry out and design standard tests of strength and deformation on object 2- Understanding the performance of materials and objects under the influence of forces
Contents	1) Tensile Strength of Materials 2) Elastic Torsion Test 3) Young Modulus- Using Strain Gauge 4) Poisson's Ratio- Using Strain Gauge 5) Deflection of Curved Beams 6) Unsymmetrical Bending- Shear Center 7) Columns Buckling
Duration	**1 Semester (16 weeks)**
Course Hours	**3 hours/week**
Course Type	**Required**