

<b>Laboratory Name</b>	Strength of Materials Lab
<b>Lab. Supervisor</b>	Eng. Ahmad Alshorman
<b>Lab. Location</b>	MechanicalEngineering Department



**Device Name:** Universal Testing Machine.

**Experiment associated with it:**

1. Compression Test.
2. Tensile Test.

**Courses associated with it:** Strength of Materials.



**Device Name:** Torsion Testing Machine.

**Experiment associated with it:** Torsion Test.

**Courses associated with it:** Strength of Materials.



**Device Name:** Impact Testing Machine.

**Experiment associated with it:** Impact Test

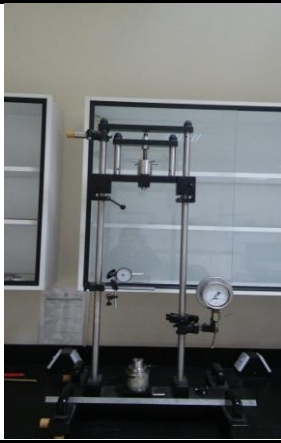
**Courses associated with it:** Strength of Materials.



**Device Name:** Fatigue Testing Machine.

**Experiment associated with it:** Fatigue Test

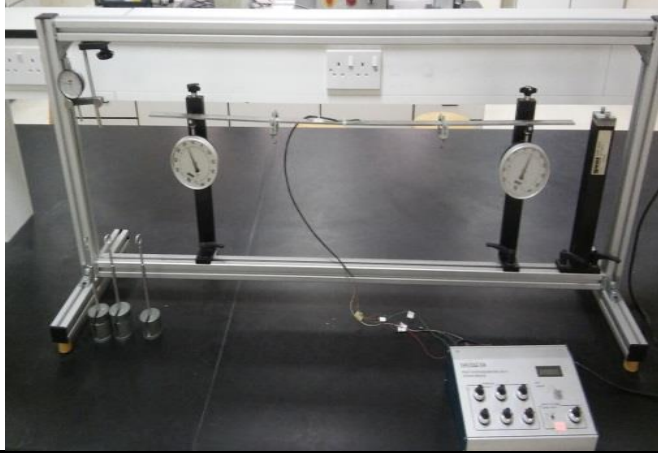
**Courses associated with it:** Strength of Materials.



**Device Name:** Buckling Tester.

**Experiment associated with it:** Buckling Test

**Courses associated with it:** Strength of Materials.



**Device Name:** Beam Apparatus

**Experiment associated with it:** Deflection of simply supported beams

**Courses associated with it:** Strength of Materials.



**Device Name:** Universal Hardness Tester.

**Experiment associated with it:**

1. Brinell hardness test.
2. Vickers hardness test.
3. Rockwell hardness test.

**Courses associated with it:** Strength of Materials.



**Device Name:**

Thin walled Pressure Vessel Apparatus.

**Experiment associated with it:** Stress-strain analysis of thin walled cylinders under internal pressure.

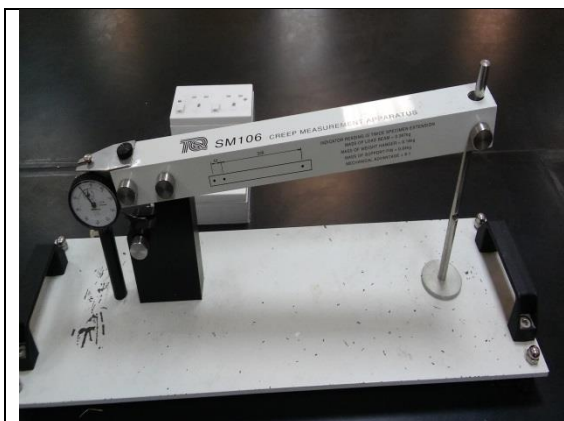
**Courses associated with it:** Strength of Materials.



**Device Name:** Modular Transmission

**Experiment associated with it:**  
Photoelastic model stress analysis.

**Courses associated with it:** Strength of Materials.



**Device Name:** Creep Measurement Apparatus.

**Experiment associated with it:**  
Creep Test.

**Courses associated with it:** Strength of Materials.