STRENGTH OF MATERIALS LABORATORY



Lab1: Introduction to Measurements

- To determine the length and diameter of members for use in other experiment
- To observe the errors in measurements



Lab2: Axial Load Tests

- To determine the modulus of elasticity, E, for the given materials
- To determine the deflection for linear elastic material



Lab3: Torsion Test

- To determine the material properties of a metal sample from torsion test
- To determine the deflection for linear elastic material



Lab4: Flexural (Bending) Deformation

• To observe the variation of bending strains under flexural loading

