

# DDT 227 : STRENGTH OF MATERIALS

This course in statics and strength of materials includes the study of forces and how they act and react on bodies and structures. Topics include the effects of forces as found in structures and machines under conditions of equilibrium, how materials resist forces, strengths of common construction materials and structural components. Force systems such as parallel, concurrent, and nonconcurrent are studied in co-planar and non-coplanar situations. Upon completion, students should understand and be able to apply the principles of force in engineering drawings.

**Credits** 4

**Lecture Hours** 4

**Lab Hours** 0

**Prerequisites**

DDT 104, DDT 111, DDT 124