

Mechanics

```
graph TD; Mechanics[Mechanics] --> Rigid[Mechanics of rigid bodies]; Mechanics --> NonRigid[Mechanics of non-rigid (Deformable) bodies]; NonRigid --> Solid[Solid mechanics<br/>Elasticity & Plasticity]; NonRigid --> Fluid[Fluid mechanics]; Fluid --> Statics[Fluid Statics]; Fluid --> Kinematics[Fluid Kinematics]; Fluid --> Dynamics[Fluid Dynamics];
```

Mechanics of rigid bodies

Mechanics of non-rigid
(Deformable) bodies

Solid mechanics
Elasticity & Plasticity

Fluid mechanics

Fluid Statics

Fluid Kinematics

Fluid Dynamics