

## **M E 401: Thermo-fluid Dynamics**

### **MECHANICAL ENGINEERING**

The conservation equations and laws of thermodynamics are used in formulating and solving problems in compressible gas dynamics, reacting flows, boundary layers, heat transfer, and plasma dynamics.

3 Credits

#### **Prerequisites**

- [Engr 323: Fluid Mechanics](#)
- [Engr 321: Thermodynamics](#)
- Pre-Requisite: 24 Earned Hours

#### **Instruction Type(s)**

- Lecture: Lecture for M E 401

#### **Subject Areas**

- [Engineering Physics/Applied Physics](#)
- [Aerospace, Aeronautical and Astronautical/Space Engineering](#)

