

MECH 280 – Introduction to Fluid Dynamics

- **TextBook:** Fluid Mechanics, **Authors:** [Yunus Cengel](#); [John Cimbala](#); , WCB McGraw-Hill
- This course covers the following areas
 - **Chapter 1 & 2: Introduction, fluid properties**
 - **Chapter 3: Pressure and Fluid Statics**
 - **Chapter 4, 5 & 6: Control Volume Analysis (Ch. 4.5-, Ch 5, Ch 6)**
 - **Chapter 7: Dimensional Analysis and Modeling**
 - **Chapter 8: Flow in Pipes**
 - **Chapter 9: Differential Analysis**
 - **Chapter 14: Pumps**