

# CVEN311-502 Fluid Dynamics

## Spring 2011

Dr. James M. Kaihatu

Coastal and Ocean Engineering  
Division

Zachry Department of Civil  
Engineering

# Instructor and TA Information

- Instructor: Dr. James M. Kaihatu
  - Office: CE/TTI Bldg, Rm 808D
  - Phone: 979-862-3511
  - Email: [jkaihatu@civil.tamu.edu](mailto:jkaihatu@civil.tamu.edu)
    - Allow 48 hours for response
  - Web: <http://ceprofs.civil.tamu.edu/jkaihatu>
  - Office hours: MW 10am-12pm or by appointment
- TA: Ms. Allison Guettner
  - Office: WERC 205X
  - Email: [allison.guettner@tamu.edu](mailto:allison.guettner@tamu.edu)
  - Office hours: TR 1100-1200



# Course Description

- Will learn about:
  - Properties of fluids
  - Fluid statics and kinematics
  - Basic conservation principles of:
    - Continuity
    - Momentum
    - Energy
  - Similitude and hydraulic models
  - Incompressible flow in pipes
  - Fluid dynamic drag