

Final exam Intermediate Mechanics of Fluids (ME:1560) Topics

- **Control volume analysis using mass, momentum, and energy conservation laws** (Quiz 2,3,4, Exam 1.1, Final Exam 2022 Problem 1)
- **Solution of Navier-Stokes equations using Cartesian/Cylindrical coordinates** (Quiz 5, 7, Exam 1.2, Exam 2.1, Final Exam 2022 Problem 2)
- **Bluff body flow (Chapter 7) + Similarity** (Exam 2.2, Quiz 6, 8, 13 (2022), Final Exam 2022 Problem 3)
- **Boundary layer flow (laminar or turbulent) solutions** (Chapter 7) (Quiz 11, 12 (2022), Final Exam 2022 Problem 4)
- **Pipe flow (laminar or turbulent) with minor losses and/or multiple-pipe systems** (Quiz 9,10, Final Exam 2022 Problem 5)
- **Plane Potential flow (Chap.8) solutions** (Quiz 14 (2022), Final Exam 2022 Problem 6)