

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

- **Control volume analysis using mass, momentum, and energy conservation laws** (Quiz 2,3,4 (2023/2024), Exam 1.1 2023/2024, Final Exam 2023 Problem 1)
- **Solution of Navier-Stokes equations using Cartesian/Cylindrical coordinates** (Quiz 5, 7 (2023/2024), Exam 1.2 (2023/2024), Exam 2.1 (2023/2024), Final Exam 2023 Problem 2)
- **Bluff body flow (Chapter 7) + Similarity** (Exam 2.2 (2023/2024), Quiz 6, 8 (2023/2024), Final Exam 2023 Problem 3)
- **Boundary layer flow (laminar or turbulent) solutions** (Chapter 7) (Quiz 11, 12 (2023/2024), Final Exam 2023 Problem 4)
- **Pipe flow (laminar or turbulent) with minor losses and/or multiple-pipe systems** (Quiz 9,10 (2023/2024), Final Exam 2023 Problem 5)
- **Plane Potential flow (Chap.8) solutions** (Quiz 14 (2023), Final Exam 2023 Problem 6)