

# APPLIED FLUID MECHANICS

Spring 2023

M2794.002000 (001); MW 14:00 - 15:15; Rm 301-105

## Haecheon Choi

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**Textbook:** F. M. White, *Fluid Mechanics*

## References:

M. Van Dyke, *An Album of Fluid Motion*, The Parabolic Press, 1988.

*Illustrated Experiments in Fluid Mechanics*, The NCFMF Book of Film Notes, The MIT Press, 1980.

## Contents:

0. Review of Fluid Mechanics
1. Flow past immersed bodies
2. Potential flow and computational fluid dynamics
3. Compressible flow
4. Open channel flow
5. Turbomachinery

**Grade:** Exams (70%); Homework (20%); Attendance (10%)

Exams: Midterm and Final

Homework: about five homework assignments

Attendance: Students who are absent for more than 1/3 of the class will receive F.

## Office hours:

HC: TW 17:00 - 18:00, 880-8361, Rm 301-1506, E-mail for appointment

TAs: Daeun Song ([dadadiana@](mailto:dadadiana@)) and Ukjin Kim ([jin9141480@](mailto:jin9141480@)), 880-1655, Rm 301-1413,  
E-mail for appointment