

## **Computational Fluid Dynamics (2)**

Philosophy of CFD, Governing equations of fluid flow, Mathematical behavior of partial differential equations, Discretization, Transformation, Numerical solutions, Some simple CFD Techniques, CFD solutions of some simple flows.

### References:

1. JohnD.Anderson,Jr.,“ComputationalFluidDynamics– The Basics with Applications,” McGraw-Hill, Inc., New York, ISBN 0-07-001685-2
2. Computational Techniques for Fluid Dynamics 1 & 2. Specific Techniques for Different Flow Categories, C. Fletcher.