

Reading instructions for the course 5C1212 Computational Fluid Dynamics (basic numerics and compressible flow part).

The sections and page numbers refer to the book *Computational Fluid Dynamics* by J D Anderson.

Lecture	Section
22 Jan	3.1, 3.3, 3.4.1
23 Jan	4.1 – 4.5
24 Jan	4.5
30 Jan	4.5, 6.6, 2.9 + handout about modified equations
31 Jan	2.8, 2.10
2 Feb	11.2.1 + handouts about conservative variables → primitive variables + handouts about integral formulation
5 Feb	handouts about weak solutions, non-uniqueness and entropy conditions + pp 162-165 (about connection between CFL and characteristic lines)
7 Feb	6.3 pp 237-243 (artificial viscosity) pp 502-504 (shock tube problem)
9 Feb	pp 502-504 (shock tube problem, continued) handouts about entropy
12 Feb	pp 303-307, 327-330 (Boundary conditions for hyperbolic equations)