Illinois Institute of Technology
Mechanical, Materials and Aerospace Engineering Department

MAE 330-001 Compressible Flow Spring 2000

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Office Hours: TBA

Class: MW 2:10 PM - 3:25 PM, Room 241 E1

Prerequisites: MECH 305, MAE 301

Text: M. A. Saad, *Compressible Fluid Flow*, 2nd ed., 1993, Prentice Hall.

Course Homepage: http://mmae.iit.edu/~cassel/MAE330.html

Topics:

1) Introduction and Review
2) 1-D Isentropic Flow
3) Normal Shock Waves
4) Adiabatic Flow with Friction
5) Frictionless Flow with Heat Transfer
6) 2-D Shock Waves
7) Computational Fluid Dynamics

Grading:

Distribution:

Homeworks	20%
Project	10%
Midterm	30%
Final Exam	40%