

Course Schedule - Spring 2007

Aerospace Engineering

312 **Compressible Flow** Credit: 3 hours.

Compressible flow aerodynamics; conservation of mass, momentum, and energy; one-dimensional and quasi-one-dimensional flow; oblique shock waves and Prandtl-Meyer expansion waves; unsteady wave motion. Application to nozzles, diffusers, supersonic airfoils, and shock tubes. Prerequisite: AE 311, CS 101, MATH 385, ME 300; credit or concurrent registration in AE 201.

CRN	Type	Section	Time	Days	Location	Instructor
29874	lecture-discussion	A	01:00 PM - 01:50 PM	MWF	room 253 Mechanical Engineering Bldg	Bodony, D