

Course Schedule - Spring 2007

Aerospace Engineering

538 **Combustion Fundamentals** Credit: 4 hours.

Fundamentals of kinetic theory, transport phenomena, chemical equilibria, and reaction kinetics; flames, their gross properties, structure, and gas dynamics including oscillatory and turbulent burning; solid and liquid propellant combustion; one-dimensional detonation theory including structure and initiation; three-dimensional and other complex detonation waves; and supersonic burning. Same as ME 501. Prerequisite: AE 311 or ME 410.

CRN	Type	Section	Time	Days	Location	Instructor
30049	lecture-discussion	A	01:00 PM - 02:50 PM	TR	room 344 Mechanical Engineering Bldg	Glumac, N