

Course Schedule - Fall 2004

Aerospace Engineering

402 ***Orbital Mechanics*** Credit: 3 or 4 hours.

(A A E 306) Analysis of orbits in an inverse-square gravitational field; elementary rocket dynamics, impulsive orbit transfer and rendezvous, and Lambert's Theorem with applications; patched-conic trajectories, planetary gravity-assist maneuvers, and linearized orbit theory with application to simplified analytical models; perturbations. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: AE 302 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
29794	lecture-discussion	A	11:00 AM - 11:50 AM	MWF	room 241 Everitt Elec and Comp Engr Lab	Conway, B