

# Course Schedule - Spring 2007

## Aerospace Engineering

502 **Advanced Orbital Mechanics** Credit: 4 hours.

Circular restricted three body problem; surfaces of zero velocity, libration points, halo orbits; perturbed two body motion; Gauss and Lagrange planetary equations, Hamilton's principle, canonical equations and the Delaunay variables, application to artificial Earth satellites; orbit determination. Prerequisite: AE 402.

CRN	Type	Section	Time	Days	Location	Instructor
39827	lecture-discussion	A	09:00 AM - 09:50 AM	MWF	room 225A Talbot Laboratory	Conway, B