ME 552: ADVANCED DYNAMICS

Second Semester 2005-2006 (052)

Catalog Description:

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Office Hours: SMW 12:10-1:00 PM, UT 4:10-5:00 PM


2) Methods of Analytical Dynamics by L. Meirovitch, McGraw Hill.

Outline of Lectures:
1) Introduction
2) Particle Kinematics
3) Relative Motion
4) Kinematics of Rigid Bodies
5) Newtonian Kinetics of Rigid Bodies
6) Analytical Mechanics
7) Gyroscopic Motion

Grading System:
(25%) 1st Major Exam
(25%) 2nd Major Exam
(15%) Homework Assignments
(35%) Final Exam
(100%) Total