

Plan for Phy102S: Jan-Apr 2010

Instructors: K P Rajeev & S Dhamodaran

This is the second part of the slow pace course on introductory mechanics.

Books:

Kleppner & Kolenkow: An Introduction to Mechanics, 1973, McGraw-Hill

Lectures & Tutorials:

Topics	# of lectures
Gradient, curl, Stokes' theorem	3
Angular momentum, rotation about a fixed axis	6
Motion of a rigid body	7
Motion in a central force field	5
Noninertial frames of reference and pseudo forces	5
Harmonic oscillator	5
Special theory of relativity	6
Relativistic kinematics	5

Examinations:

There will be two mid-semester and an end-semester examination. There will also be three quizzes. The approximate weightage for the various exams will be as follows: Quizzes: 17%, Mid-Sems: 33%, End-Sem: 50%

Attendance:

Attendance is very important and will be recorded in all classes and tutorials. Your attendance will play a big role in determining your final grade.

Grades:

Grades will be based on your Final Score which is defined as the product of Total Marks and Fractional Attendance.