

PHY-303 : Mechanics

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Outline

1. Vector calculus
2. Newtonian mechanics
3. 1D Harmonic problems
4. 2D and 3D Harmonic problems
5. Non-inertial frames
6. Newtonian gravity
7. Many particles
8. Rigid bodies
9. Lagrangian mechanics
10. Oscillating systems

Reference Material

G. Fowles and G. Cassidy, Analytical mechanics, Ed. Saunders 5th Edition

Grade

The grade will be : Hw (20%) + Mid (40%) + Fin (40%)

Grader

TBA