

Unit 5 Reading List

ROTATIONAL MOTION AND GRAVITY

Unit 5	
Lesson	Reading Section
5.1.1	Ch 6.1: Rotation Angle and Angular Velocity Ch 6.2: Centripetal Acceleration Ch 6.3: Centripetal Force
5.1.2	Ch 6.5: Newton's Universal Law of Gravitation Ch 6.6: Satellites and Kepler's Laws: An Argument for Simplicity
5.2.1	Ch 9.1: The First Condition for Equilibrium Ch 9.2: The Second Condition for Equilibrium Ch 9.3: Stability Ch 9.4: Applications of Statics, Including Problem-Solving Strategies
5.2.2	Ch 10.1: Angular Acceleration Ch 10.2: Kinematics of Rotational Motion Ch 10.3: Dynamics of Rotational Motion: Rotational Inertia Ch 10.4: Rotational Kinetic Energy: Work and Energy Revisited Ch 10.5: Angular Momentum and Its Conservation