

Syllabus of Mechanics
First Stage, Second Semester
Academic year 2016 – 2017
Department of Physics
Al-Nahrain University

Textbook:

1. Theory and Problems of College Physics, by Fredrick J. Bueche, Schaum's Outline Series, 7th edition, 1979.
2. University Physics, by Francis W. Sears et al., Sixth edition 1982.

Syllabus:

Chapter 9: Angular Motion
Chapter 10: Rigid Body Rotation
Chapter 11: Simple Harmonic Motion
Chapter 12: Density and Elasticity
Chapter 13: Fluids at Rest
Chapter 14: Fluids in Motion
Chapter 15: Thermal Expansion
Chapter 16: Ideal Gases

Asst. Prof. Dr. Ahmed Al-Tabbakh