

- Contact: Asghar Aryanfar, PhD (aa418@aub.edu.lb), Office: Masri 404
- Class Link: <https://aub.webex.com/meet/aa418>
- Sections 1,2: MWF 9a \approx 10a (Online!)
- Office hours: Skype ID: [asghararyanfar](#), Online 24/7
- Problem solving: F 10a \approx 11a
- Textbook: Engineering Mechanics: Dynamics, 14th Ed (Hibbeler): ([Link](#))
- Backup: Engineering Mechanics: Dynamics, 8th Ed (Meriam): ([Link](#))

- Grading:

Practices	50%
HW	10%
Final Exam	40%
Participation	10%

- Breakdown:

Week 1	Course Introduction and Review of Statics
Week 2	Kinematics of a Particle-Rectilinear Motion
Week 3	Kinematics of a Particle-Curvilinear Motion
Week 4	Kinetics of a Particle-Force & Acceleration
Week 5	Kinetics of a Particle-Work & Energy
Week 6	Kinetics of a Particle-Impulse & Momentum
Week 7	Planar Kinematics of a Rigid Body
Week 8	Planar Kinematics of a Rigid Body
Week 9	Planar Kinetics of a Rigid Body-Force & Acceleration
Week 10	Planar Kinetics of a Rigid Body-Work & Energy
Week 11	Planar Kinetics of a Rigid Body-Impulse & Momentum
Week 12	3D Kinematics of a Rigid Body
Week 13	3D Kinetics of a Rigid Body
Week 14	Mechanical Vibrations