

Aerospace Engineering
Level and Major: Undergraduate

Division: Aerodynamics

Course Title:
Prerequisite: Physics (I), Mathematics (I)

Number of Credits: 3
Lecturer: Dr. Mohammad Saeedi

Course Description:

Providing the capability in students to analyze objects and structures in static condition

Course Topics:

- Introduction
- Force
- Moment & couple
- Free-body diagram
- Equilibrium
- Truss
- Center of area, moment and mass

The course aims to:

Provide the capability in students to analyze objects and structures in static condition

Reading Resources:

J. L. Meriam, L. G. Kraige, Engineering Mechanics Statics, 7th Edition, John Wiley & Sons, 2015.
I. H. Shames, Introduction to Statics, 4th Edition, Prentice-Hall, 1980.

Evaluation:

10% Assignments
45% Midterm Exam
45% Final exam