Content

Course Code Course Name Semester Theory Practice Lab Credit ECTS

ING223 Engineering Mechanics 4 3 0 0 3 4

Prerequisites

Admission Requirements

Language of Instruction French
Course Type Elective

Course Level Bachelor Degree

Objective To provide students with a clear and thorough presentation of the theory and applications of engineering mechanics.

Content References

Theory Topics

Weekly Contents

- 1 General Principle, Force Vectors
- 2 Force Vectors
- 3 Equilibrium of a Particle
- 4 Force System Resultants
- 5 Equilibrium of a Rigid Body
- 6 Equilibrium of a Rigid Body
- 7 Midterm Exam 1
- 8 Structural systems
- 9 Internal Forces
- 10 Friction
- 11 Center of Gravity and Centroid
- 12 Moments of Inertia
- 13 Sample Problems and Solutions
- 14 Sample Problems and Solutions