CE 122 – STATICS (3-0)3
SPRING 2024-2025

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Course Hours: Monday 10:45-12:30
Thursday 10:45-12:30

Text Book: R. C. Hibbeler, "Principles of Statics", Pearson-Prentice Hall, 10th Ed. Metric Version, 2009

Reference Book: Beer, F.; Johnston, R., "Vector Mechanics for Engineers: Statics" McGraw-Hill, 7th Ed., 2003.

Grading Policy:
Midterm 1: 27%
Midterm 2: 28%
Final Exam: 40%
Participation: 5%

Attendance Policy: 1. It is compulsory to attend at least 70% of the active class hours to have a letter grade. 2. Attandance is not compulsory for students that obtained a passing grade from the course. Second rule overwrites the first rule.

No cellular phone policy: Cellular phones are not permitted to be accessed in the class and exam hours. Students that do not follow this rule will be invited to the outside of the classroom in that class hour. If you need to reach your phone for a compulsory condition, please ask permission from the instructor.

Recitation: There will be frequent recitations.

Course Website: Students are required to register themselves at course's MS Team group. All announcements and course material will be posted on this site.

Tentative Course Outline:

Introduction *(4 hrs)*
Statics of Particles *(6 hrs)*
Rigid Bodies: Equivalent System of Forces *(8 hrs)*
Rigid Bodies: Equilibrium of Rigid Bodies *(6 hrs)*
Distributed Forces: Center of Gravity and Centroids *(4 hrs)*
Structural analysis: Trusses and Frames *(6 hrs)*
Internal forces *(4 hrs)*
2nd Moment of Inertia of the Area *(6 hrs)*