

**Middle East Technical University Department of Mechanical Engineering**  
**ME205 STATICS - Section 1, Fall 2018-2019**

**Instructor:** Dr. Kıvanç AZGIN  
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**Office:** G-207  
**Office Hours:** appointment by e-mail  
**Schedule:** Monday 15:40-17:30 ME-G102 unless otherwise announced  
Thursday 14:40-15:30 ME-G102 unless otherwise announced

**Grading:**

Homework/Quiz	%10
Midterm-1	%25
Midterm-2	%25
Final	%35
Attendance	%70 Attendance is mandatory, %70 to %100 attendance contributes %0 to %5

**Text Book:** Engineering Mechanics STATICS, by HIBBELER, R.C., Pearson-Prentice Hall. (14<sup>th</sup> Ed.)

**Reference Texts:** BEER, F.P., JOHNSTON, E.R., "Vector Mechanics for Engineering Statics", McGraw-Hill  
MERIAM, J.L., KRAIGE, L.G., "Engineering Mechanics, STATICS", John Wiley & Sons

**Tentative Schedule:**

Week	Subject	Sections
1	Introduction, General principles	1.1-1.6
	Force Vectors	2.1, 2.2, 2.3
2	Force Vectors	2.4, 2.5, 2.6
	Force Vectors	2.7, 2.8, 2.9
3	Equilibrium of a Particle	3.1, 3.2
	Equilibrium of a Particle	3.3, 3.4
4	Force System Resultants	4.1, 4.2, 4.3
	Force System Resultants	4.4, 4.5
5	Force System Resultants	4.6, 4.7
	Force System Resultants	4.8, 4.9
6	Equilibrium of a Rigid Body	5.1, 5.2, 5.3
	Equilibrium of a Rigid Body	5.4, 5.5
7	Equilibrium of a Rigid Body	5.6
	Equilibrium of a Rigid Body	5.7
8	MT 1 (tentative)	
	Structural analysis	6.1, 6.2, 6.3
9	Structural analysis	6.4
	Structural analysis, Internal Forces	6.6, 7.1
10	Internal Forces	7.2
	Internal Forces	7.2 cont'd., 7.3
11	Friction	8.1
	Friction	8.2
12	Friction	8.3
	Friction, Center of Gravity and Centroid	8.5, 9.1
13	MT 2 (tentative)	
	Center of Gravity and Centroid	9.2, 9.4
14	Moments of Inertia	10.1, 10.2, 10.3
	Moments of Inertia	10.4, 10.5, 10.6

**Final Exam Policy:** Minimum 70% attendance and taking both midterm examinations is required in order to take the final exam. Students who fail to fulfill these requirements will not be allowed to take the final examination and they will receive an NA grade.