

ME 203 MANUFACTURING PROCESSES I

2026 FALL SEMESTRE

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COURSE OUTLINE

WEEK	DATE	TOPICS
1	22.09.2026	Introduction
	25.09.2026	Classification of Manufacturing Processes
2	29.09.2026	Measurement and Inspection
	02.10.2026	Measurement and Inspection (Continue)
3	06.10.2026	Fundamentals of Machining (CH 21)
	09.10.2026	Quiz (Reading of vernier caliper and micrometer) AND Workshop groups
4	13.10.2026	Mechanics of Cutting, Cutting Forces and Power
5	20.10.2026	Temperatures in Cutting, Tool Life and the rest of chapter
6	27.10.2026	Cutting Tool Materials and Cutting Fluids (CH 22)
7	03.11.2026	Cutting Tool Materials and Cutting Fluids (CH 22-Continue)
8	10.11.2026	MIDTERM I
9	17.11.2026	Turning and Hole Making (CH 23)
10	24.11.2026	Turning and Hole Making (CH 23-Continue)
11	01.12.2026	Turning and Hole Making (CH 23-Continue)
12	08.12.2026	Milling, Broaching, Sawing, Filing (CH 24)
13	15.12.2026	Milling, Broaching, Sawing, Filing (CH 24-Continue)
14	22.12.2026	General Assessment

Text Book:

Manufacturing, Engineering & Technology by **Kalpakjian/Schmid**
Fundamentals of Modern Manufacturing by **Mikell P. Groover**

Sınavlar:

İki tane ara sınav yapılacaktır. Birinci yazılı ara sınav (%30), ikinci ara sınav atölye iş parçası (%30) ve Final (%40) olacaktır. Birinci yazılı ara sınavın 20 puanı uygulamalı olarak 9 Ekim 2026 günü ders saatinde kumpas ve mikrometre ölçümünden verilecektir. Geriye kalan 80 puanlık sınav ise 10 Kasım 2026 Salı günü saat 16:00'da birinci ve ikinci öğretim birleştirilerek tek oturumda yazılı yapılacaktır.

Examinations:

Two midterm assessments will be conducted. These will consist of a first written midterm exam (30%), a second midterm involving a workshop workpiece (30%), and a final exam (40%). For the first midterm, 20 points will be awarded based on a practical assessment of caliper and micrometer measurements, to be held during class hours on October 9, 2026. The remaining 80 points of the exam will be assessed via a written test held in a single combined session for both the first and second education groups on Tuesday, November 10, 2026, at 16:00.