

ME 571 NT MANUFACTURING METHODS

2025-2026 SPRING SEMESTER

LECTURER : *Assist. Prof. Dr. Hakan Çandar*

COURSE OUTLINE

WEEK	DATE	S. TIME	TOPICS
1	12.02.2025	10:00	Content, General Information
2	19.02.2025	10:00	Introduction to NT Manufacturing Processes
3	26.02.2024	10:00	Laser Processing (LP)
4	05.03.2026	10:00	Electrical Discharge Machining (EDM)
5	12.03.2026	10:00	Plasma Arc Cutting (PAC)
6	19.03.2026		HOLIDAY
7	26.03.2026	10:00	Abrasive Waterjet Machining (AWJ)
8	02.04.2026	10:00	Electrochemical Machining (ECM)
9	09.04.2026	10:00	MIDTERM
10	16.04.2026	10:00	Abrasive Flow Machining (AFM)
11	23.04.2026		HOLIDAY
12	30.04.2026	10:00	Ultrasonic Machining (USM)
13	07.05.2026	10:00	Electron Beam Machining (EBM)/ Thermal Energy Method (TEM)
14	14.05.2026	10:00	Presentations
15	21.05.2026	10:00	Presentations

EXAM

Midterm 1: Includes the subjects held on at the first 7 weeks. (%30)
Midterm 2: Presentation* (Max. 30 min.) (%20)
Final Exam: (%50)

*Presentations include an explanation of 5 articles published in last 6 years (2020-2026) on the relevant subject.

Reference Book: Nontraditional Manufacturing Processes [Gary F. Benedict]