ME 461 NT MANUFACTURING PROCESSES
2025-2026 SPRING SEMESTER

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

COURSE OUTLINE

WEEK	DATE	S. TIME	TOPICS
1	12.02.2025	13:30 or 19:45	Content, General Information
2	19.02.2025	13:30 or 19:45	Introduction to NT Manufacturing Processes
3	26.02.2024	13:30 or 19:45	Laser Processing (LP)
4	05.03.2026	13:30 or 19:45	Electrical Discharge Machining (EDM)
5	12.03.2026	13:30 or 19:45	Plasma Arc Cutting (PAC)
6	19.03.2026		HOLIDAY
7	26.03.2026	13:30 or 19:45	Abrasive Waterjet Machining (AWJ)
8	02.04.2026	13:30 or 19:45	Electrochemical Machining (ECM)
9	09.04.2026	13:30	MIDTERM
10	16.04.2026	13:30 or 19:45	Abrasive Flow Machining (AFM)
11	23.04.2026		HOLIDAY
12	30.04.2026	13:30 or 19:45	Ultrasonic Machining (USM)
13	07.05.2026	13:30	Electron Beam Machining (EBM)/ Thermal Energy Method (TEM)
14	14.05.2026	13:30 or 19:45	Presentations
15	21.05.2026	13:30 or 19:45	Presentations

EXAM

Midterm 1: Includes the subjects held on at the first 7 weeks. (%30)
Midterm 2: Presentation* (15 min.) (%20)
Final Exam: (%50)

*Presentations include an explanation of 3 articles published in last 6 years (2020-2026) on the relevant subject.

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