



Code and Name: FİZ5100 INTRODUCTION TO ELECTRON MICROSCOPY

Unit: Graduate School of Natural and Applied Sciences

Detail: Period: 2023-2024 FALL Status: Optional Class: 1 Credits: 3 0 0 3 ECTS: 6 Language: Turkish

INSTRUCTOR

Title, Name and Surname:

Phone:

Email:

Social Account: -

Student Day and Time: -

COURSE ASSISTANT

Title, Name and Surname:

Phone:

Email:

Social Account:

Student Day and Time:

Lessons Weekly Program:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			-			

Rendering:

Place: YY: UE: -

Purpose: To teach them to examine the surface structures and microstructures of substances with Electron Microscopy

Material: Electron Microscopy Books and the Internet

Student Responsibility:

Weekly Lesson Plan	Week	Topic			Method	
	1	Introduction to Electron-Emitting Instruments			YY	
	2	Electron-Matter Interactions			YY	
	3	Transmission Electron Microscopy (TEM)			YY	
	4	Transmission Electron Microscopy (TEM)			YY	
	5	Scanning Electron Microscopy (SEM)			YY	
	6	Scanning Electron Microscopy (SEM).			YY	
	7	TEM Applications			YY	
	8	Visa			YY	
	9	SEM Applications			YY	
	10	SEM Applications			YY	
	11	TEM Sample Preparation Techniques			YY	
	12	SEM Sample Preparation Techniques			YY	
	13	TEM and SEM Spectroscopy Techniques.			YY	
	14	Final Exam			YY	
Assessment and Evaluation	Method				Number	Weight
	Break Exam	Exam	Face		1	%50
		Quiz	-		-	
		Homework	-			
		Project	-		-	-
General Exam	Face			1	%50	
Course Outcomes:	1					
	2					
	3					
	4					
	5					

Course-Specific Explanations:



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Course Syllabus Form

Document No	EGTM - 0001
Publication Date	13.09.2021
Revision Date	-
Revision No	0

UE: Distance Education; **YY:** Face-to-Face Education