



Code and Name:

FİZ5090 X-RAY SPECTROSCOPY IN ELECTRON MICROSCOPY

Unit:

Graduate School of Natural and Applied Sciences

Detail:

Period: 2023-2024

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Weekly

Program:

Rendering:

Face-to-face lessons per week 3 It will be done on an hourly basis.

Place:

YY: Face

UE: -

Purpose:

X-Ray Spectroscopy in Electron Microscopy

Material:

Student

Responsibility

:

Weekly Lesson Plan

Week	Topic	Method
1	Electron Production (Electron Guns)	YY
2	Electron-Matter Interaction	YY
3	Electron-Matter Interaction	YY
4	Energy Dispersive X-Ray Spectroscopy (Edx (or Eds, Edax))	YY
5	Energy Dispersive X-Ray Spectroscopy (Edx (or Eds, Edax))	YY
6	Edx detectors in scanning and passing electron microscopes (SEM and TEM)	YY
7	Edx detectors in scanning and passing electron microscopes (SEM and TEM)	YY
8	VISA	YY
9	Edx detectors in scanning and passing electron microscopes (SEM and TEM)	YY
10	Edx detectors in scanning and passing electron microscopes (SEM and TEM)	YY
11	Electron Energy Loss Spectroscopy (EELS)	YY
12	Electron Energy Loss Spectroscopy (EELS)	YY
13	Catodo Luminescence (Cl) in Scanning Electron Microscopy	YY
14	Catodo Luminescence (Cl) in Scanning Electron Microscopy	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:

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



T.C.
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Course Syllabus Form

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