



Code and Name:

FİZ5350 TECHNIQUES FOR MEASURING IONOSPHERE PLASMA

Unit:

Graduate School of Natural and Applied Sciences

Detail:

Period: 2023-2024

Status: Optional

Class: 1

Credits: 2-2-0-3

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Program:

Rendering:

Face-to-face lessons per week 4 It will be done on an hourly basis.

Place:

YY: Department of Physics Electromagnetic Wave Laboratory

UE:

-

Purpose:

Techniques for measuring the electron density of the ionosphere

Material:

Ionosphere Physics Book and Lecture Notes

Student Responsibility:

Weekly Lesson Plan

Week	Topic	Method
1	Ionosphere Structure	YY
2	Ionosphere Formation of ions and regions	YY
3	Electron Density	YY
4	Electron and Ion Formation Processes in the Ionosphere	YY
5	Ionosphere Why are the regions different from each other?	YY
6	Ionosphere Base Parameter and Indexes	YY
7	Electron And Ion Temperatures	YY
8	Ionosphere	YY
9	Electricity Props	YY
10	Scattering Techniques	YY
11	Satellites	YY
12	GPS Techniques	YY
13	International Reference Ionosphere (IRI) Model	YY
14	Reviews And Summary	YY

Assessment and Evaluation

Method		Number	Weight
Break Exam	Exam Face	1	% 50
	Quiz -	-	
	Homework -		
	Project -	-	-
General Exam	Face	1	% 50

Course Outcomes:

1	Teaching electron density measurement techniques and numerical models in the ionosphere
2	
3	
4	
5	

Course-Specific Explanations:

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



T.C.
FIRAT UNIVERSITY
Course Syllabus Form

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