Fizik Bölümü / PHYSICS /

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
FZK-3036	Modern Astronomy	3.00	0.00	0.00	3.00	6.00

Course Detail

Course Language	:	Turkish
Qualification Degree	:	Bachelor
Course Type	:	Optional
Preconditions	:	Not
Objectives of the Course	:	To have a general knowledge about astronomy.
Course Contents	:	The objective of this course is to let the students get acquainted to have the knowledge about the general structure and properties of stars and Solar System.
Recommended or Required Reading	:	Presentations for the course.
Planned Learning Activities and Teaching Methods	:	-
Recommended Optional Programme Components	:	-
Instructors	:	Assoc. Prof. Dr. Filiz Kahraman Aliçavuş
Instructor's Assistants	:	-
Presentation Of Course	:	Face to face.

Course Outcomes

Upon the completion of this course a student :

1
To have general information about astronomy.

2 Have knowledge about the planets in the sun and solar system.

3 Answer the question of what the star is.

4 Explain the general structures of comets, meteors and asteroids describing their concepts

5 Have knowledge about the calendars used in astronomy.

Preconditions

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Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods
1.Week	*To have general information about astronomy.				
2.Week	*Have knowledge about the civilizations dealing with astronomy.				
3.Week	*Have knowledge about the calendars used in astronomy.				
4.Week	*Have knowledge about coordinate systems used in astronomy.				
5.Week	*Have information about the Earth-centered universe model.				
6.Week	*To have information about solar center universe model.				
7.Week	* Have information about star and star types.				
8.Week	*Have knowledge about sun and its layers.				
9.Week	*Solar system and planets				
10.Week	*Solar system and planets				
11.Week	*Ways of transporting energy				
12.Week	* Comets, meteorites and asteroids, black hole, nova and supernova				
13.Week	* Comets, meteorites and asteroids, black hole, nova and supernova				
14.Week	*An overview				

Assesment Methods %

1 Vize : 40.000

2 Final : 60.000

ECTS Workload

Activities	Count	Time(Hour)	Sum of Workload
Vize	1	2.00	2.00
Final	1	2.00	2.00
Individual study before lecture	3	2.00	6.00
Individual study after lecture	3	2.00	6.00
Make-up	1	2.00	2.00
Assignment 1	5	2.00	10.00
Assignment 2	5	2.00	10.00
Class Hours (14 weeks)	14	2.00	28.00
Final Exam Preparation	3	2.00	6.00
Mid Term Exam Preparation	3	2.00	6.00
		Total :	78.00
		Sum of Workload / 30 (Hour) :	3
		ECTS :	6.00

Program And OutcomeRelation

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22	P.O. 23	P.O. 24
L.O. 1	5	5	5	5	4	5	5	5	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 2	5	5	5	5	5	4	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 3	5	5	5	4	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 4	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ders/Program Çıktıları İlişkisi

P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22	P.O. 23	P.O. 24	P.O. 2
5	5	5	5	4	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0