Fizik Bölümü / PHYSICS /

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Course Code C	Course Name	Teorical	Practice	Laboratory	Credits	ECTS								
FZK-3019 A	stronomy of Solar System	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	: The aim of this course formation theories of the solar system. Internal structure The comets, meteors, kuiper blet, Oort nebula.	s, surface properties,	orbit planes, a	tmospheres of p	planets in the s	solar systems.								
Course Contents	our system Internal structures of the nine planets in our system, Surface proper system , The orbits of the nine planets natural satellites, internal structure, surfa	: Formation theories of solar system, Spent during the bombardment of the surfaces of the planet f of the first ormation process, The orbits of the nine planets in our system lnternal structures of the nine planets in our system, Surface properties of the nine planets in our system, Atmospheres of the nine planets in our system, The orbits of the nine planets natural satellites, internal structure, surface shapes and atmospheres, Location-like planets in the greenhouse effect, Smal planets and comets, Meteors and falling stars, Interplanetary medium, Oort cloud and kupier band, Other stars have the planet.												
Recommended or Required Reading	 "Universe", R.A. Freedman, W.J. Kaufmann, W.H. Freeman and Company, 6. b Addison Wesley, 1995. 	baskı, 2002. "An introc	luction to mode	ern astrophysics	", B.W. carrol	l, D.A., Ostlie,								
Planned Learning Activities Teaching Methods	and : The teaching method is an interactive teaching includes Q-A and active discus learning activities in the lecture.	ssing with the students	. Blackboard a	nd screen pres	entation is use	ed while								
Recommended Optional Programme Components	: Follow the latest research topics.													
Instructors	: Res. Assist. Dr. Çağlar Püsküllü													
Instructor's Assistants	: Res. Ass. Dr. Çağlar Püsküllü													
Presentation Of Course	: Face to face													
Course Outcomes														
Upon the completion of this course a	student :													

1 Explains what the formation of the solar system is.

2 Describes how the orbits, internal structure, surface properties, atmospheres of planets in the solar systems are.

3 Explains to small planets and comets.

4 Gives some informations about interplanetary medium, Oort nebula and Kuiper belt.

Preconditions

Course Code Course Name

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Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods
1.Week	*Formation theories of solar system	*Formation theories of solar system			
2.Week	*Spent during the bombardment of the surfaces of the planet f of the first ormation process	*Spent during the bombardment of the surfaces of the planet f of the first ormation process			
3.Week	*The orbits of the nine planets in our system	*The orbits of the nine planets in our system			
4.Week	*Internal structures of the planets in our system.	*Internal structures of the planets in our system.			
5.Week	*Surface properties of the planets in our system - I	*Surface properties of the planets in our system - I			
6.Week	*Surface properties of the planets in our system - II	*Surface properties of the planets in our system - II			
7.Week	*Atmospheres of the planets in our system - I	*Atmospheres of the planets in our system - I			
8.Week	*Atmospheres of the planets in our system - II	*Atmospheres of the planets in our system - II			
9.Week	*Mid-term Exam				
10.Week	*The orbits of the planets natural satellites, internal structure, surface shapes and atmospheres.	*The orbits of the planets natural satellites, internal structure, surface shapes and atmospheres.			
11.Week	*The greenhouse effect in earth-like planets.	*The greenhouse effect in earth-like planets.			
12.Week	*Small planets, comets, meteors and meteor showers.	*Small planets, comets, meteors and meteor showers.			
13.Week	*Interplanetary medium, Oort cloud and kupier band.	*Interplanetary medium, Oort cloud and kupier band.			
14.Week	*Other stars have the planet.	*Other stars have the planet.			

Assesment Methods %

2 Final : 60.000

3 Mid Term Exam 1 : 30.000

4 Ödev: 10.000

ECTS Workload			
Activities	Count	Time(Hour)	Sum of Workload
Vize	1	2.00	2.00
Ödev	4	5.00	20.00
Kısa Sınav	1	1.00	1.00
Final	1	2.00	2.00
Individual study before lecture	12	2.00	24.00
Individual study after lecture	12	2.00	24.00
Preparation for midterm	1	40.00	40.00
Preparation for final	1	40.00	40.00
Research presentation	1	1.00	1.00
Class Hours (14 weeks)	14	2.00	28.00
		Tota	I: 182.00
		Sum of Workload / 30 (Hour)): 6

ECTS: 6.00

Program And OutcomeRelation

	P.O. 7	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	3	3	4	3	3	3	1	3	3	3	3	3	3	4	5	0	0	0	0	0	0	0	0	0
L.O. 2	3	3	5	3	3	3	1	3	3	3	3	3	3	4	5	0	0	0	0	0	0	0	0	0
L.O. 3	3	3	5	3	3	3	1	3	3	3	3	3	3	4	5	0	0	0	0	0	0	0	0	0
L.O. 4	3	3	5	3	3	3	1	3	3	3	3	3	3	4	5	0	0	0	0	0	0	0	0	0
4																								•

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. 24 P.O. 2

0	2	-	2	2	2	4	0	0	0	2	2	2	4	-	0	0	0	0	0	0	0	0	0	0
3	3	5	3	3	3	1	3	3	3	3	3	3	4	5	0	0	0	0	0	0	0	0	0	0
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