

Fizik Bölümü / PHYSICS /						
Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
FZK-3019	Astronomy 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 structures, surface properties, orbit planes, atmospheres of planets in the solar systems. The comets, meteors, kuiper blet, Oort nebula.					
Course Contents	: Formation theories of solar system,Spent during the bombardment of the surfaces of the planet f of the first ormaton process,The orbits of the nine planets in our system Internal 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,Small 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. baskı, 2002. "An introduction to modern astrophysics", B.W. carroll, D.A., Ostlie, Addison Wesley, 1995.					
Planned Learning Activities and Teaching Methods	: The teaching method is an interactive teaching includes Q-A and active discussing with the students. Blackboard and screen presentation is used while learning activities in the lecture.					
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	Teorical	Practice	Laboratory	Credits	ECTS

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 ormaton process	*Spent during the bombardment of the surfaces of the planet f of the first ormaton 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

