

# ASTRONOMY

1	Course Title:	ASTRONOMY	
2	Course Code:	FEN4004	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	none	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. SALİH ÇEPNİ	
15	Course Lecturers:	yok	
16	Contact information of the Course Coordinator:	cepnisalih@uludag.edu.tr Uludağ Üniversitesi Eğitim Fakültesi, A Blok, İlköğretim Bölümü 16059 Nilüfer,Bursa	
17	Website:		
18	Objective of the Course:	To know space, to understand the formation of the space and scientific principles found by the researchers during the history	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Understand the movement of Earth, Moon and Sun
		2	Understand how day and night is becoming
		3	Understand the structure and levels of the Earth
		4	Understant the sun galagcies
		5	explain the formation of the space objects and occured changes
		6	explain the structure of the solar system by using Kepplers law
		7	explain the structure of celestial body such as planet, star, satellite, meteor
		8	Understand some instruments used in sky research
		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	An overview of the history of astronomy		
2	Moon, Earth and Seasons		
3	Our World		
4	The universe and space recognition		

5	The structure of the solar system			
6	The structure of the solar system			
7	The structure of the solar system, satellites			
8	Galaxies			
9	General Structure of the Universe			
10	Big bang theory			
11	Formation of stars and neutron stars			
12	White dwarfs and Black Holes			
13	Cycle time and time expansion			
14	Student' project			
22	Textbooks, References and/or Other Materials:	Çepni, S., Kurnaz, A and Ç., Tülay (2012). Fen ve Teknoloj ve Fizik Öğretmenleri için Öğretim Programları temelinde Yer Bilimleri ve Astronomi, PegemA yayıncılık, Ankara		
23	Assesment			
Activites		Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0.00	2.00	28.00
Practicals/Labs		0	0.00	0.00
Field Exam and preperation	1	50.00	5.00	70.00
Homeworks		2	14.00	28.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00	0.00	0.00
Field Studies		0	0.00	0.00
Contribution of Final Exam to Success Grade		50.00	6.00	6.00
Others		0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course		1	12.00	12.00
Total Work Load				144.00
24 ECTS/ WORK LOAD TABLE				4.80
Total work load/ 30 hr				
ECTS Credit of the Course				5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0

ÖK5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			