Fizik Bölümü / PHYSICS /

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
FZK-3022	General Astronomy II	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	:	General Astronomy provides a quantitative introduction to the physics of the solar system, stars, the interstellar medium, the galaxy, and the universe, as determined from a variety of astronomical observations and models.
Course Contents	:	Topics include: planets, planet formation, stars, sun, star formation, the evolution of stars, supernovas, white dwarfs, neutron stars, black holes, star clusters, spherical and open clusters; interstellar medium, gas, dust, Newton's cosmology, the dynamic expansion of the universe and its thermal history, cosmic microwave background radiation, Big-Bang nucleosynthesis.
Recommended or Required Reading	:	1)Osman Demircan, Sacit Özdemir, Birol Gürol, Astronomi ve Astrofizik, 2002, ISBN: 9759091305 2) Zeilik, Michael, and Stephen A. Gregory. Introductory Astronomy and Astrophysics. 4th ed. Fort Worth, TX: Saunders College Publishing, 1997. ISBN: 9780030062285.
Planned Learning Activities and Teaching Methods	:	Lecture, Homework
Recommended Optional Programme Components	:	Current research topics for students
Instructors	:	Res. Assist. Fahri Aliçavuş
Instructor's Assistants	:	Dr. Fahri ALİÇAVUŞ
Presentation Of Course	:	Face to face

Course Outcomes

Upon the completion of this course a student :

1 Knowledge and understanding of physical laws and principles in astrophysics and space science

2 An ability to present and interpret information about astrophysics and space science graphically.

Preconditions

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS

Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods

Assesment Methods %

1 Mid Term Exam 1 : 20.000

2 Presentation/Seminar : 10.000

3 Ödev : 10.000

4 Final : 60.000

ECTS Workload

Activities	Count	Time(Hour)	Sum of Workload
Vize	1	3.00	3.00
Final	1	3.00	3.00
Attending lectures	14	2.00	28.00
Application / Practice	3	4.00	12.00
Laboratory	4	7.00	28.00
Research presentation	8	2.00	16.00
Theoretical Lecturing	14	4.00	56.00
Tartışmalı Ders	14	2.00	28.00
Presentation/Seminar	4	1.00	4.00
Further Study	14	1.00	14.00
		Total :	192.00
		Sum of Workload / 30 (Hour) :	6
		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	4	5	4	4	5	3	4	4	4	5	4	4	5	4	5	0	0	0	0	0	0	0	0	0
L.O. 2	4	4	5	5	4	5	3	4	3	4	5	5	4	5	5	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
4	5	5	5	5	4	4	4	4	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0