NEAR EAST UNIVERSITY – COMMON COURSES COORDINATION UNIT

Ders Bilgi Formu / Course Information Sheet

Ders Kodu / Course Code	**Ders Adı / Course Name**	**Kredi /Credit**	**AKTS /ECTS**
GEC212	Introduction to astronomy and astrophysics	3	5

Önkoşul / Pre-requisite: None

Ders Dili / Language:	**Ders Türü /Course Type:**	**Öğretim Ortamı / Mode of Instruction:**
English	Elective	Online

Haftalık Ders Saati / Weekly Hours	**Sınıf Saati / Class Hours**	**Laboratuvar / Laboratory**	**Uygulama / Practicum**	**Öğrenim Oturumları / Learning Sessions**			
				PÇ / PS	**P / C**	**D / R**	**Ö / T**
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Öğrenim Çıktıları / Learning Outcomes	Bu dersin sonunda öğrenciler: After the completion of this course, the student will be able to: ► Use of evaluation criteria for an assessment of astronomy ► Examine different concepts implemented in astronomy ► Demonstrate and reconstruct a specific astrophysics problems ► Apply astrophysics principles for verification of the problems ► Analyze variables of astronomy problems
Ders Tanımı / Course Description	This is an elective course for all faculties. Its covers the physics of the solar system, stars, the interstellar medium, the galaxy, and the universe
Dersin Amaçları / Course Objectives	The objectives of this course are to provide the students with the concepts and principles of astronomy and to enable students to evaluate and choose tools to match the problem
Kullanılan Materyaller / Textbooks and/or References	1 Astronomy Today, Chaisson E, Mcmillan, 9th Edition, 2017, Pearson 2 Materials on UZEM
Ders İçeriği / Course Content	1. Observing the local sky 2. Observing the local sky 3. Law of Radiation 4. Law of Radiation 5 Observational Technique 6. Observational Technique 7. Solar System 8. Solar System 9. Inner Planets 10. Inner Planets 11. Outer Planets 12. Outer Planets