

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
FZK-4020	Observational Astronomy	2.00	2.00	0.00	3.00	7.00
Course Detail						
<b>Course Language</b>	: Turkish					
<b>Qualification Degree</b>	: Bachelor					
<b>Course Type</b>	: Optional					
<b>Preconditions</b>	: Not					
<b>Objectives of the Course</b>	: The observational astronomy lecture basically aims to teach students how to derive the astronomical information from observations and how to use telescopes.					
<b>Course Contents</b>	: Star brightness, coordinate systems, determination of stellar distance, use of celestial atlas, types of telescope, detectors, basic observation information, preparation for observations, use of telescopes, photometric observation, photometric observation reduction.					
<b>Recommended or Required Reading</b>	: 1. Observational Astronomy, D. Scott Birney, Guillermo Gonzalez, David Oesper 2. Astronomy and Astrophysics, Osman Demircan , Sacit Özdemir , Birol Gürol					
<b>Planned Learning Activities and Teaching Methods</b>	: -					
<b>Recommended Optional Programme Components</b>	: -					
<b>Instructors</b>	: Assoc. Prof. Dr. Filiz Kahraman Aliçavuş					
<b>Instructor's Assistants</b>	: -					
<b>Presentation Of Course</b>	: The course is given as theoretical and practical four hours in a week. In the practical course, some astronomical applications are applied. In addition, photometric observations are carried out at the Ulupınar Observatory of Çanakkale Onsekiz Mart University at least 4 times at a semester time. Use of telescope detectors and preparations for observations are taught in practice.					

## Course Outcomes

<b>Upon the completion of this course a student :</b>
1 Learns coordinate systems and has the ability to use
2 Recognition of the sky
3 Acquiring the skills of using telescopes
4 Perform photometric observations
5 Reduction of photometric data

## Preconditions

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