Course Syllabus

Code - Course Title	**CBS201U - Remote Sensing**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	LECTURER ÖNDER DEMİR

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	Sunar F., Özkan C., Osmanoğlu B., (2011). “Uzaktan Algılama” Anadolu Üniversitesi Yayınları. Eskişehir
Work Placement	Bu ders için uygun değildir.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic Concepts in Remote Sensing	
Week - 2		Basic Concepts in Remote Sensing	
Week - 3		Sensing Types, Sensor Systems and Sensing Platforms in Remote Sensing	
Week - 4		Thermal Remote Sensing	
Week - 5		Microwave Remote Sensing	
Week - 6		Microwave Remote Sensing	
Week - 7		Midterm Exam	
Week - 8		Image Types and Properties	
Week - 9		Digital Image Processing	
Week - 10		Digital Image Processing	
Week - 11		Classification	
Week - 12		Classification	
Week - 13		Remote Sensing Application Areas	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Graphic Expression Skill; will be able to formally express each stage of the presentation process with various techniques using computer technologies to make appropriate presentations.
2	Research Skills; will be able to obtain, evaluate, record and apply information.
3	Numerical analysis skills: Acquire basic mathematical and analytical thinking skills necessary for solving spatial problems.
4	Spatial Perception: Develop two and three dimensional spatial perception and visual perception.
5	Principles of remote sensing: Gain basic data preparation skills in remote sensing.
6	Spatial data creation and integration: To have a basic knowledge of technical subjects such as photogrammetry, geodesy, remote sensing used in the creation of maps, the ability to use projection transformations and parameters for the integration of different data, the ability to use global positioning system.
7	Analysis and interpretation in remote sensing: Students will be able to gain the ability to analyze and interpret data for GIS using remote sensing methods.
8	Ability to benefit from examples: Will be able to identify examples that are appropriate in terms of content and content for the program and problem in the creation and development of their projects.
9	Land conditions: To be able to perceive the natural and artificial features of the land and to develop solutions based on land conditions.
10	Project design with remote sensing techniques: Students will be able to gain basic working and project design skills with remote sensing data and techniques.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**