

COURSE LIST Institute of Natural and Applied Sciences

Field : Agricultural Structures and Irrigation

Course Title	Code	ECTS Credit	COMU Credit	Lecturer
GIS for Culturetechniques' Applications	ULP-21-TYS001	7.5	3	Doç. Dr. Levent Genç
Photogrametry and Digital ImageProcessing	ULP-21-TYS002	7.5	3	Doç. Dr. Levent Genç
Remote Sensing on Culturetechniques' Applications 2	ULP-21-TYS003	7.5	3	Doç. Dr. Levent Genç

Course Code	ULP-21-TYS001
Name of the Course in English	Geographic Information Systems (GIS) for Culturetechniques' Applications
Name of the Course in Turkish	Kültürteknikte CBS
Language of the Course	English
Level of the Course	
Lecturer	Doç. Dr. Levent Genç
ECTS Credit	7.5
COMU Credit	3
Description	Computing tools will be used to accumulate, store, manipulate, display, and analyze spatial data for agricultural area . From this point the application of GIS knowledge and spatial thinking skills will be investigated for learning geographic concepts and skills and determine their relevance to Culturetechniques applications. Basic knowledge and skills

	regarding GIS will be also explained. Term Project is mandatory.
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Course Code	ULP-21-TYS002
Name of the Course in English	Photogrametry and Digital ImageProcessing
Name of the Course in Turkish	Fotogrametri ve Sayısal Veri İşleme
Language of the Course	English
Level of the Course	
Lecturer	Doç. Dr. Levent Genç
ECTS Credit	7.5
COMU Credit	3
Description	Explanation of basic principles of photogrametry and optical. Stereoscopic vision and measuring, investigated of the coordinates and angles of a photograph, terrestrial photogrametry, air photogrametry, interpretation of air photographs, satellite systems and imagery and practical applications of photogrametry.

Course Code	ULP-21-TYS003
Name of the Course in English	Remote Sensing on Culture techniques' Applications 2
Name of the Course in Turkish	Kültür teknik Çalışmalarında Uzaktan Algılama 2
Language of the Course	English
Level of the Course	
Lecturer	Doç. Dr. Levent Genç

ECTS Credit	7.5
COMU Credit	3
Description	Introduction, Interpretation key; Simple measuring techniques; Interpretation applications; Image merging; Merging of multitemporal data; Change detection techniques; Merging of photographic and digital data, Natural resource detection using radar images: System parameters; Target parameters; Image acquisition; Hardware and software; Integration of Remote Sensing data and GIS; Other applications