Course Code	ULP - 04 - 043
Name of the course in English	Photogrammetry
Name of the course in Turkish	Fotogrametri
Language of the course	English
Level of Course	(x) Bachelor's / Undergraduate
	( ) Master
	( ) Doctorate
Lecturer	Asst. Prof. Dr. Özgün AKÇAY
ECTS Credits	5
COMU Credits	3
Description	This course relates the principles of precise
	measurement and proper data reduction through
	measurements of photographs followed by calculations
	to determine spatial information. After completing this
	course, the student should be familiar with methods
	commonly used in photogrammetric practice as well as
	their theoretical bases. The culmination of this course is
	an independent final project in which students will
	demonstrate their ability to apply new skills to a real-
	world situation of personal or professional interest.

Course Code	ULP - 04 - 044
Name of the course in English	Remote Sensing
Name of the course in Turkish	Uzaktan Algılama
Language of the course	English
Level of Course	(x) Bachelor's / Undergraduate
	( ) Master
	( ) Doctorate

Lecturer	Asst. Prof. Dr. Özgün AKÇAY
ECTS Credits	5
COMU Credits	3
Description	Students will develop a strong understanding of the tools
	and techniques used to display, process, and analyze
	remotely sensed data. Upon completion of the lecture,
	students will be able to develop analytical workflows to
	derive products and extract information from remotely
	sensed data for a broad range of applications. The
	culmination of this course is an independent final project
	in which students will demonstrate their ability to apply
	new skills to a real-world situation of personal or
	professional interest.

Course Code	ULP - 04 - 045
Name of the course in English	Spatial Databases
Name of the course in Turkish	Mekansal Veri Tabanları
Language of the course	English
Level of Course	(X) Bachelor's / Undergraduate
	( ) Master
	( ) Doctorate
Lecturer	Assist. Prof. Dr. Mehmet Ali YUCEL
ECTS Credits	5
COMU Credits	3

and Architecture of Database Systems, Database Models
and Data Modelling, Spatial Data and Spatial Database
Systems, Spatial Database Systems Data Models, Spatial
database design. Spatial Data Standards and Metadata,
Spatial Data Sharing.

Course Code	ULP – 04 - 046
Name of the course in English	Cartography
Name of the course in Turkish	Kartografya
Language of the course	English
Level of Course	(X) Bachelor's / Undergraduate
	( ) Master
	( ) Doctorate
Lecturer	Assist. Prof. Dr. Mehmet Ali YUCEL
ECTS Credits	5
COMU Credits	3
Description	Definition and History of Cartography, Definition of Map,
	Classification of Maps, Map Scale, Graticule, Grid, Neat
	Lines, Orthodrome, Loxodrome, Projection Surfaces and
	Aspects, Classification of Projection Methods, Classes of
	Map Projections, Azimuthal Projections, Conical
	Projections, Cylindrical Projections, Gauss-Krüger
	Projection, UTM.

Course Code	ULP – 04 - 047
Name of the course in English	GPS and GNSS Applications
Name of the course in Turkish	GPS ve GNSS Uygulamaları
Language of the course	English
Level of Course	(X) Bachelor's / Undergraduate
	( ) Master
	( ) Doctorate
Lecturer	Assist. Prof. Dr. Ramazan Cuneyt ERENOGLU
ECTS Credits	5
COMU Credits	3
Description	This course aims to introduce coordinate system
	definition and realization concentrating on geometric
	definitions, to analyze of GPS observables in form of
	carrier phase, to give pseudorange and phase
	measurements, to perform tropospheric and ionospheric
	delay estimation, to process static and kinematic GPS
	data, to use RTK/GNSS and CORS services.

Course Code	ULP – 04 - 048
Name of the course in English	Geostatistics
Name of the course in Turkish	Jeoistatistik
Language of the course	English
Level of Course	<ul><li>(X) Bachelor's / Undergraduate</li><li>( ) Master</li></ul>
	( ) Doctorate
Lecturer	Assist. Prof. Dr. Ramazan Cuneyt ERENOGLU
ECTS Credits	5
COMU Credits	3

Description	Geostatistics is a collection of mathematical tools, widely
	used in every branch of geosciences. It is used to
	understand the spatial correlation of data, and
	interpolate where data is missing. This course will
	introduce students to the core theoretical knowledge of
	geostatistics. Hands-on case studies will provide an
	understanding of its applications and highlight the
	necessity of translating geo-knowledge into a
	mathematical/numerical model. Tools such as basic
	statistics, variography and estimation methods will be
	covered during the course.