

COURSE LIST Institute of Social Sciences

Field : Geography

(Please note that Erasmus students are allowed to take courses from lists of all faculties/schools according to their needs or interests.)

Course Code	Course Title	ECTS Credit	COMU Credit	Lecturer
ULP-19-057	Introduction to Meteorology	7,5	3	Assoc. Prof. Hasan TATLI
ULP-19-063	Data Analysis	7,5	2	Assoc. Prof. Hasan TATLI
ULP-19-064	Fundamentals of Geology	7,5	3	Prof. Dr. Dođan PERİNÇEK
ULP-19-065	Hydrometeorology	7,5	2	Assist. Prof. Dr. Faize SARIŞ
ULP-19-066	Global Geomorphology	7,5	2	Prof. Dr. Dođan PERİNÇEK
ULP-19-067	Global Climate Change	7,5	2	Assist. Prof. Dr. Faize SARIŞ
ULP-19-120	Research Methods in Physical Geography	7,5	3	Assist. Prof. Dr. Faize SARIŞ
ULP-19-121	Qualitative Research Methods in Human Geography	7,5	3	Assoc. Prof. Dr. Selver ÖZÖZEN KAHRAMAN Dr. Mehmet ŞEREMET
ULP-19-122	Research Methods in Human Geography	10	4	Assoc. Prof. Dr. Selver ÖZÖZEN KAHRAMAN Dr. Mehmet ŞEREMET

Course Code	ULP -19-057
Name of the course in English	Introduction to Meteorology
Name of the course in Turkish	Meteorolojiye Giriş
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assoc. Prof. Hasan TATLI
ECTS Credits	7,5
COMU Credits	3
Description	The structure and composition of the atmosphere; the structure and composition of the atmosphere; the structure and composition of the atmosphere; the structure and composition of the atmosphere; radiation; heat and temperature; moisture; dynamics; general circulation; optics.

Course Code	ULP -19-063
Name of the course in English	Data Analysis
Name of the course in Turkish	Veri Analizi
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assoc. Prof. Hasan TATLI
ECTS Credits	7,5
COMU Credits	2
Description	Summarization of data; exploratory data with figures and maps; regression analysis; regression analysis; time series analysis; time series analysis; time series analysis; time series analysis; time series analysis; time series analysis; smoothing and gridding data; smoothing and gridding data;

	missing data recovery
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Course Code	ULP -19-064
Name of the course in English	Fundamentals of Geology
Name of the course in Turkish	Temel Jeoloji
Language of the course	İngilizce
Level of Course	Master
Lecturer	Prof. Dr. Doğan PERİNÇEK
ECTS Credits	7,5
COMU Credits	3
Description	Understanding the earth: origin of the solar system and the planet earth, geology theories and the plate tectonic theory; minerals; magma formation and igneous rocks; volcanoes, volcanism and volcanic rocks; sediments, sedimentation and sedimentary rocks; metamorphism and metamorphic rocks; geological time: concepts and principles; geological time: dating methods and approaches; earthquakes; Earth's structure; plate tectonics, deformation and mountain building; plate tectonics and evolution of the continents; relationship between the earth system, physical geography and geology.

Course Code	ULP-19-065
Name of the course in English	Hydrometeorology
Name of the course in Turkish	Hidrometeoroloji
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assist. Prof. Dr. Faize SARIŞ

ECTS Credits	7,5
COMU Credits	2
Description	Water and environmental relations; water divide and collection points and lines; watershed and its geomorphologic properties; snow hydro-meteorology; water cycle and components; fundamental basic balance equation in hydrology; evaporation, transpiration and evapotranspiration calculation methods; precipitation-surface flow relations; discharge and continuity curves; rational method and flood calculations; hydrograph theory and calculation methods; various empirical calculation methods in hydro-meteorology; various empirical calculation methods in hydro-meteorology.

Course Code	ULP-19-066
Name of the course in English	Global Geomorphology
Name of the course in Turkish	Küresel Jeomorfoloji
Language of the course	İngilizce
Level of Course	Master
Lecturer	Prof. Dr. Doğan PERİNÇEK
ECTS Credits	7,5
COMU Credits	2
Description	Content of global geomorphology; concept of geoid; Earth's structure and concept of isostasy; global tectonics: development ideas on global tectonics, continental drift, paleomagnetic data, global seismicity, sea-bottom spreading; plate tectonics: outlines of plate tectonics model, classification of plate boundaries, plate movements, mechanism o plate movement; landforms and tectonics of plate margins; landforms and tectonics of the interior parts of plates; global-scale uplift rates: measurement and estimation methods, orogenic and epirogenic uplift; global-scale denudation rates: fluvial denudation, mechanic and

	chemical denudation, denudation in arid regions, denudation in glacial regions; global tectonics and continental drainage: drainage in orogenes, drainage in passive plate margins; sea level change: mechanism of oceanic sea level change, global and regional sea level changes during geological periods; classic landform evolutionary models and denudation chronology; tectonic-climate and landform development interactions
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Course Code	ULP -19-067
Name of the course in English	Global Climate Change
Name of the course in Turkish	Küresel İklim Değişikliği
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assist. Prof. Dr. Faize SARIŞ
ECTS Credits	7,5
COMU Credits	2
Description	Atmosphere, weather and climate; physical climate system; natural and increased greenhouse effect; natural and human-induced climate change; sources and sinks of greenhouse gases and aerosols; radiative forcing; observed climate change and variability; atmospheric carbon dioxide (co2) projections; projections for the global climate change (projected changes in the global average surface; temperature, precipitation and sea level, etc.); projected regional climate changes; impacts of climate changes; protection of the global climate system, policies and measures; the united nations framework convention on climate change (UNFCCC) and Turkey; Kyoto Protocol and Turkey; European union's climate change policies and measures

Course Code	ULP-19-120
Name of the course in English	Research Methods in Physical Geography
Name of the course in Turkish	Fiziki Coğrafyada Araştırma Yöntemleri
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assist. Prof. Dr. Faize SARIŞ
ECTS Credits	7,5
COMU Credits	3
Description	This course gives student knowledge about contemporary research process in physical geography. Emphasis is given to research design, methods and techniques from the component fields of physical geography and also environmental data analysis, interpretation and reporting for physical geography studies.

Course Code	ULP-19-121
Name of the course in English	Qualitative Research Methods in Human Geography
Name of the course in Turkish	Beşeri coğrafyada nitel araştırma yöntemleri
Language of the course	İngilizce
Level of Course	Master
Lecturer	Assoc. Prof. Dr. Selver ÖZÖZEN KAHRAMAN Dr. Mehmet ŞEREMET
ECTS Credits	7,5
COMU Credits	3
Description	This module covers major paradigms and research methods in Human Geography. In addition to theoretical subjects and designing such research tools (interview schedule and questionnaire), this module is also aimed improving students' qualitative software operating skills, for example,

in NVIVO 11.0 programme.

Course Code	ULP-19-122
Dersin İngilizce adı	Research Methods in Human Geography
Dersin Türkçe adı	Beşeri Coğrafya'da Araştırma Yöntemleri
Dersin verileceği dil	İngilizce
Level of Course	Master
Lecturer	Assoc. Prof. Dr. Selver ÖZÖZEN KAHRAMAN Dr. Mehmet ŞEREMET
ECTS Credits	10
COMU Credits	4
Description	<p>This module will focus on a field of Human and/or economic geography in which the research students most interested. On the basis of their choice, the visiting Erasmus students will expect to make a project resting on social and economical issues in Turkey by making comparison with their home country. The students will be required to give a seminar covering their research topics to their peers at the end of the term. Therefore, this module has two stages: making project and giving a seminar. All process will be supervised by the lecturer. The portfolio which students present include a 2000-word report and a 15 mins presentation.</p>