

Welcome, Visitor!

As Faculty of Earth Sciences and Spatial Management, we offer education on our five main faculties:

geography, tourism and recreation, tourism management, geoinformation and spatial management.

We have plenty of courses offered in English for Erasmus+ students:

	Subject	ECTS	Semester	Other information	Hours	Lecturer	Available as short-term (Yes/No)
1	Geology and geomorphology	6	winter	<u>Outline:</u> The subject includes knowledge of the construction of the Earth and the natural processes occurring deeply inside and on the surface of the Earth. It contains characteristics of the Earth's surface forms of various origin and educates in the ability to recognize essential minerals and rocks and geomorphological forms emerging in different climatic zones. The subject outlines the impact of human activities on the surface relief	30 seminars, 30 laboratories	Dr Małgorzata Telecka, Prof. dr hab. Wojciech Zgłobicki	y
2	Meteorology and hydrology in practice, part I		winter	<u>Outline:</u> The subject includes lectures on physics of the atmosphere and water management with the elements of the law. The main objective is: to present the specifics of the processes occurring in the atmosphere and to use the meteorological and climatological knowledge in a practice of human activity as well as to outline the possibility of water resources usage	60 lectures 60 seminars	Dr. Agnieszka Krzyżewska Sr. Sylwester Wereski Dr. Katarzyna Mięsiak-Wójcik Dr hab. Stanisław Chmiel	y
3	Biogeography and environment protection	3	winter	<u>Outline:</u> The subject covers the issues and characteristics of the spatial distribution of biomes on the planet, phyto- and	10 lectures 20 seminars	Prof. dr. hab. Irena Pidek and others	y

				zoogeographic regions. Basic types of zonal and azonal vegetation are characterized as well as changes in the flora and fauna during the Cenozoic. Issues of biodiversity, sustainable development and global environmental problems are discussed. Forms of nature protection – both in national and international scales are presented.			
4	Geomorphology - fieldwork	2	spring	<u>Outline:</u> Fieldwork in the geomorphology are intended to familiarize students with the dominant elements of surface relief in the Lublin region. Presented are also the processes shaping the individual elements of the relief including the factors determining their intensity	32 fieldwork classes	Dr Jan Reder	y
5	Meteorology and hydrology in practice part II	7	spring	<u>Outline:</u> The classes include issues of synoptic meteorology and applied climatology, documentation of groundwater resources, hydrochemistry in environmental studies and natural basis of melioration.	60 lectures 60 seminars	Dr. Agnieszka Krzyżewska Dr. Katarzyna Mięsiak-Wójcik Dr. Sylwester Wereski Dr. hab. Stanisław Chmiel	y
6	Pedology (soil science) – fieldwork	3	spring	<u>Outline:</u> Fieldwork of soil science aims at digging up soil pits and making the description of the soil layers, which leads to its classification and / or grading with particular emphasis on the geological structure, relief, water relations, vegetation and forms of land use.	32 fieldwork classes	Dr hab. Jacek Chodorowski	y
7	Geographical regions of Poland - field exercises - Pomorze	6	spring	<u>Outline:</u> Fieldwork in the Kashubian Lake District, and in the Embankment of Gdansk and Koszalin familiarize the student with the guiding characteristics of the geographical environment of macro-regions and their basic functions in the past and present. They demonstrate how human activities are related to the components of the geographical environment and nature conservation.	48 fieldwork classes	Prof. dr hab. Radosław Dobrowolski, prof. dr hab. Sławomir Terpiłowski	y

8	Geographical regions of Poland - field exercises – Bieszczady or Tatry mountains	4	spring	<u>Outline:</u> Field exercises in Bieszczady or Tatry familiarize student with the leading features of the geographical environment and the basic functions of the region. During fieldwork, students learn about geology, geomorphology, hydrology, climatology, environmental protection, history and cultural heritage as well as the settlement and economy of that part of Poland.	48 fieldwork classes	Dr Sylwester Wereski/ Dr Jan Reder	y
9	Geographical regions of Poland - field exercises – Świętokrzyskie mountains	2	spring	<u>Outline:</u> Field exercises in Świętokrzyskie mountains familiarize student with the leading features of the geographical environment and the basic functions of the region. During fieldwork, students learn about geology, geomorphology, hydrology, climatology, environmental protection, history and cultural heritage as well as the settlement and economy of that part of Poland	24 fieldwork classes	Dr hab. Renata Kołodyńska - Gawrysiak	y
10	Basics of tourism	3	winter	<u>Outline:</u> This subject helps students to understand tourism by providing them the basic definitions and concepts in tourism. Students will have knowledge about history of tourism development and various types of tourism. Also the important part of subject are tourism functions and issues of its positive and negative impacts. Other topics within the subject are related to tourism economy (international tourist arrivals and receipts by UNWTO regions, ICT in tourism – social media).	15 lectures, 15 seminars	Dr Renata Krukowska, Dr Andrzej Tucki	n
11	Information technology in tourism	3	winter	<u>Outline:</u> The students will develop their skills with computer graphics (GIMP), group work with google documents, website creation (google sites), create virtual tours (Google Earth), edit documents and mail merge in Microsoft Word, calculate travel costs with basic functions and pivot tables in Microsoft	5 lectures, 40 laboratories	Dr Agnieszka Krzyżewska, Dr Sylwester Wereski	n

				Excel, create tourist offers with booking networks and sites.			
12	Abiotic resources in tourism	6	winter	<u>Outline:</u> This classes focus on climate resources (like spa towns, bioclimatology, extreme events), hydrological resources (oceans, rivers, lakes), geological resources (mountains, geoparks) in tourism. Students can observe those resources during fieldwork.	30 lectures, 30 conversatories	Dr Agnieszka Krzyżewska, Dr Katarzyna Mięsiak-Wójcik, Dr Małgorzata Telecka, Dr Sylwester Wereski	n
13	Biotic resources in tourism	6	winter	<u>Outline:</u> The course introduce students to most popular tourist natural resources, like botanical gardens, forests, national parks.	30 lectures, 30 conversatories	Prof. dr hab. Ryszard Dębicki, Prof. dr. hab. Irena Pidek Dr Magdalena Suchora,	n
14	Cultural tourism	6	winter	<u>Outline:</u> This course introduce students the concept of cultural tourism, which is traveler's engagement with a country or region's culture, specifically the lifestyle of the people in those geographical areas, the history of those people, their art, architecture, religion(s), and other elements that helped shape their way of life.	45 lectures, 15 conversatories	Prof. dr hab. Anna Dłużewska Prof. dr hab. Wojciech Ziętara,	n
15	Client and customers service	5	spring	<u>Outline:</u> The course will develop communication skills in different business activities including business etiquette, intercultural communication, negotiation and persuasion. Students will learn how to prepare business correspondence, presentations in formal meetings. Students can develop their teamwork power and custom service skills	15 lectures, 45 conversatories	Prof. dr hab. Anna Dłużewska, Dr Joanna Bielecka-Prus, Dr hab. Andrzej Kapusta, Dr Andrzej Tucki	n
16	Reservation systems	3	spring	<u>Outline:</u> Through our classes, students learn how to operate computer reservation systems, and they study the various types of travelers, transportation systems and vacations available all over the world. The classes include an element of marketing, which shows students the methods used to direct clients to particular destinations. Students examine available transportation options and study the cost of the different	30 laboratories	Dr Monika Widz	n

				activities, including tours, flights and cruises, which can help clients choose destinations that match their travel goals and their budgets. Students become familiar with the ins and outs of the industry, including high and low travel dates and the best time to travel to various locations, as well as how this affects prices and sales. The classes are offered through reservations systems like MerlinX (one of the most popular, national systems used in the industry), Euroticket, Voyager and etc.			
17	Global and local challenges in tourism	4	winter	<p>Outline: Lectures: international security with a special analysis of threats and challenges in contemporary tourism with a division according to their objective, subjective and temporal character. Students have the opportunity not only to meet main determinants of the countries security in the 21st century, but also understand the correlation between the internal situation of the host countries, and the security of tourists staying there.</p> <p>The main focus is on the analysis of political and social security of contemporary people countries and basic processes shaping them in the 21st century. Classes: students have the opportunity to make a comprehensive security analysis of selected countries - characterizing their socio-political systems, and thereby acquiring knowledge of the subject factors shaping them. The whole course aims to show students the complex determinants of security processes that shape the internal situation of states in the 21st century and fundamentally condition international tourism</p>	30 lectures, 30 conversatories	Dr Bartosz Bojarczyk	n
18	Tourist services and facilities	5	spring	Outline: The general purpose is that the students at the end of the course will have	15 lectures, 30 conversatories	Dr Andrzej Tucki	n

				gained knowledge about the tourism and hospitality sector, and of tourism and hospitality development and management. The topics cover introduction to tourism and hospitality, the main concepts and tourism system, the hospitality business from a service management perspective and the accommodation and other tourist facilities. Development and types of tourist services in a different types of tourist space: urban, rural, attractions.			
19	Ethics and Law in Tourism	5	spring	<u>Outline:</u> This course will introduce students to the laws and ethical standards that managers must abide by in tourism management. By the end of this unit students will have a clear understanding of the legal and ethical environment in which tourism management operates.	30 lectures, 30 conversatories	Dr hab. Andrzej Kapusta, Dr hab. Piotr Tosiek, Dr Waldemar Bulira,	n
20	Study tour (workshops)	4	spring	<u>Outline:</u> Students will be able to know interdisciplinary nature of the tourism and hospitality industry and tourist destinations. The main goal of this workshop is getting to know history, culture, architecture and nature values of selected region of Poland. Participants will learn to recognize opportunities and threats for the development of tourism. An important issue is also getting knowledge about organizing and conducting excursions in relation practical experiences.	40 field exercises	Dr Renata Krukowska	y
21	Tourism trade fair (Tourist events)	3	Spring or winter	<u>Outline:</u> The main purpose of this subject is the possibility of participation in one of the most important forms of tourism promotion and the way to advertise to a target market. Trade fairs create a possibility to know a variety of disciplines, either directly or indirectly related to tourism industry. This is great opportunity to meet people involved in	24 field exercises	Dr Andrzej Tucki Dr Renata Krukowska	y

				tourism industry and also to develop communication skills.			
22	Extreme events and their influence on tourism	4	winter or spring	<u>Outline:</u> Extreme event definition. Extreme events (hurricanes, tornadoes, heat and cold waves, heavy rains, windstorms, extreme biometeorological events, floods, avalanches, tsunamis, storms, droughts, catastrophes of tank ships and drilling platforms, collapses of dams) and their influence on human health and tourism industry. Methods of forecasting extreme events. Selected case studies of extreme events and their aftermath.	30 conversatories	Dr Agnieszka Krzyżewska, Dr Katarzyna Mięsiak-Wójcik, Dr Joanna Sposób, Dr Sylwester Wereski	y
24	Natural heritage of Poland	4	winter or spring	<u>Outline:</u> Outline of the main features of natural environment of Poland important from the point of view of tourism and recreation. An overview of native vegetation preserved in Polish national parks and NATURA 2000 areas. Natural environment of the Lublin region against the background of the whole country. Transboundary protected areas of Eastern Poland as a chance for tourism development based on natural resources	30 lectures	Prof. dr hab. Radosław Dobrowolski, Prof. dr hab. Irena Agnieszka Pidek	y
25	Ethnic problems of European space	4	winter or spring	<u>Outline:</u> Nation, ethnic group, nationality, citizenship. Legal and political aspects of recognizing ethnic groups and nations. Nationalism in the integration era. Multiple nation-states' Europe versus multiple non-nation-regions' Europe. Ethnicity and democratic rule. Right of nations to self-determination versus right of states to territorial integrity. Muslim minorities in Europe. Euroislam – pros and cons. European versus American model of managing ethnic diversity. Immigration policy in the EU.	30 conversatories	Dr hab. Wojciech Janicki	y
26	Political geography	2	winter or spring	<u>Outline:</u> The subject includes knowledge in the field of political geography, including the concept of the state, its territory and borders,	15 lectures 15 conversatories	Dr hab. Wojciech Janicki	y

				the concept of the nation and political changes in the world.			
27	Society and development	4	winter or spring	<u>Outline:</u> Theories of society and social change. Subjects, determinants and mechanisms of social processes. Conceptions of progress, development and regression. Socio-cultural determinants of economic development patterns. Main contemporary social phenomena and future directions of social development (information society, e-society, social participation, social inclusion, civil society, society and the mechanization/automation). Main global social problems and challenges (demographic changes, migrations, human capital flight, poverty, social disparities, marginalization, social exclusion, human rights issue). Measures of social development, prosperity and quality of life.	15 lectures 15 conversatories	Dr hab. Wojciech Janicki dr Andrzej Jakubowski	y
28	WEB GIS	1	winter	<u>Outline:</u> Web GIS basics and applications. Web services overview. Web Services Standards. Cloud GIS. Data management with ArcGIS Online. ArcGIS Web AppBuilder. Story maps and more web app templates. Big data, vector tiling, image services and analyses. Building Web GIS with ArcGIS for Server. Elements of Web GIS application. OpenLayers and GeoJSON.	30 laboratories	Dr. Mateusz Zawadzki	n
29	Opensource GIS	4	winter	<u>Outline:</u> Data processing and various analyses using open source GIS application: GRASS GIS and SAGA-GIS. Basics of linux (Ubuntu). Management of different types of GIS data on linux platform. Data exchange between different GIS programs. Spatial analysis using vector and raster data, DEM processing. Introduction to geoprocessing	30 laboratories 5 lectures	Dr hab. Leszek Gawrysiak	n

				models in GRASS. Graphical and text modes of work using GRASS and SAGA.			
31	Advanced Spatial Analysis	3	winter	Outline: Spatial Analysis focuses on advanced aspects of spatial data analysis, including some of practical aspects of programming for GIS customization. The main issues of course are: Spatial network analysis, scaling and explanatory mechanisms. Computing geomorphometric parameters. Using GIS for hydro-geomorphic analysis. Extraction of landform parameters. DEM manipulations and hydro-geomorphological modelling.	30 laboratories	Dr Łukasz Chabudziński	n
32	Remote sensing	5	winter	Outline: The basic physical principles of remote sensing, the basic technical principles of satellites, sensors and ground segments in data collection, the properties of the available data from these systems. The principles of digital image processing and manipulation in remote sensing. Analysing digital remote sensing data. Planning and carrying out a field study to support remote sensing. choosing the right data and methodology for remote sensing, with the support of literature, in problem areas concerning soil, vegetation, water and human usage of these resources. Integrating remote sensing data with other data in geographical information systems	30 laboratories 10 lectures	Dr Marcin Siłuch	n
33	Low Altitude Remote Sensing	4	spring	Outline: Sensors and platforms overview. Civilian and remote sensing applications. Sensors calibration. UAS operational requirements. UAS concept of Operation. Data processing software. Generation of digital data products such as ortho-rectified imagery and digital terrain surface. Current rules and regulations governing owning and operating a UAS in Poland. UAS safety, security and privacy issues.	30 laboratories 10 lectures	Dr Piotr Bartmiński	n

34	Mathematics and statistics in spatial management	4	Winter or spring	<u>Outline:</u> Equations, real functions, probability and related concepts, random variable and its parameters, populations, samples, measures of central tendency; measures of dispersion, data grouped into classes; two-dimensional distributions; scatter plot, correlation coefficient, regression line and prediction, ANOVA	15 lectures 30 laboratories	Dr Małgorzata Telecka	y
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Haven't found the classes that you were looking for?

Looking for classes at master level?

Don't worry!

There are many classes that are in Polish, but it can also be arranged in English.

Please do not hesitate to ask for help with construction learning agreement.

Just write to our Erasmus+ Coordinator:

dr Agnieszka Krzyżewska

Department of Meteorology and Climatology

Faculty of Earth Sciences

University of Maria Curie Skłodowska

Lublin, Poland

mail: agnieszka.krzyzewska@umcs.pl

tel: (+48) 81 537-68-18