Institute of Geography and Spatial Management

Courses in English for international students (BACHELOR)

Numer	Nazwa przedmiotu	Zajęcia	Semestr	ECTS	Koordynator
4137-D	Arts and culture in contemporary urban development	24L+6FW	autumn	3	dr hab. Monika Murzyn-Kupisz
4124-D	Geographical Problems of Cracow	15L	autumn	2	dr hab. A. Zborowski
5860-D	Geography of Air Transportation T	30L, S	spring	3	dr P. Trzepacz
5853-D	Geography Seminar Series I	30L, S	autumn	4	dr hab. A. Bokwa dr P. Trzepacz
5854-D	Geography Seminar Series II	30L, S	spring	4	dr hab. A. Bokwa dr P. Trzepacz
5114-D	Physical Geography of Central Europe	30L	autumn	3	dr hab. A. Bokwa
3124-D	Principles of Glaciology	14L+6S+10WF	spring	3	prof. dr hab. J. Pociask-Karteczka
5861-D	Knowledge Based Economy and Information Society from Local and Regional Perspective	8L+8S +4FW	autumn	3	dr hab. G. Micek
5113-D	Socio-economic Geography of Central Europe	30L, S	autumn	3	dr P. Trzepacz
5817-D	Socio-economic Problems of the Małopolska Region	15L	spring	2	dr hab. Andrzej Zborowski
5116-D	The Baltic Sea Region – Nature and Man	15L+15S	autumn	3	dr Jarosław Działek
6219-D	Information Communication Technology in Science Education	60L,S, FW	autumn	5	dr M. Pietrzak

L - Lecture, S - Seminar, FW - Field works

ESRI Virtual Campus courses#

(in English, only for students with at least basic knowledge in GIS)

Numer	Nazwa przedmiotu	Zajęcia	Semestr	ECTS	Koordynator
	GIS I (VC ESRI)	75E	spring	3	dr M. Troll

E – distance learning

-VC ESRI — Every subject described below is based on selected ESRI Virtual Campus Web courses(http://training.esri.com). Course content is available on-line in English (self-study). Teacher's support will be provided in English.

Geography courses in English are open to all Jagiellonian University international students.

To <u>register</u> for the courses you should contact: Katarzyna Rotter-Jarzębińska, Erasmus Departmental Co-ordinator, Institute of Geography and Spatial Management

Tel. +48 12 664 53 03, e-mail: katarzyna.rotter@uj.edu.pl

At the JU International Students Mobility Office you'll receive the information about the offer of non-degree courses in foreign languages proposed by other JU units. Please consult the following web page: http://www.dmws.uj.edu.pl/en_GB/erasmus-kraje-programu

Institute of Geography and Spatial Management

Courses in English for international students (MASTER)

Numer	Nazwa przedmiotu	Zajęcia	Semestr	ECTS	Koordynator
4137-D	Arts and culture in contemporary urban development	24L+6FW	autumn	3	dr hab. Monika Murzyn-Kupisz
3226-D	Climate Change	15L, S	spring	2	dr hab. A. Wypych
4124-D	Geographical Problems of Cracow	15L	autumn	2	dr hab. A. Zborowski
5860-D	Geography of Air Transportation ^T	30L, S	spring	3	dr P. Trzepacz
2013-D	Geography Research Project	15S	autumn spring	12	dr J. Działek dr D. Wrońska-Wałach
5853-D	Geography Seminar Series I	30L, S	autumn	4	dr hab. A. Bokwa dr P. Trzepacz
5854-D	Geography Seminar Series II	30L, S	spring	4	dr hab. A. Bokwa dr P. Trzepacz
5114-D	Physical Geography of Central Europe	30L	autumn	3	dr hab. A. Bokwa
3124-D	Principles of Glaciology	14L+6S+10WF	spring	3	prof. dr hab. J. Pociask-Karteczka
5861-D	Knowledge Based Economy and Society from Local and Regional Perspective	8L+8S +4FW	autumn	3	dr hab. G. Micek
5113-D	Socio-economic Geography of Central Europe	30L, S	autumn	3	dr P. Trzepacz
5817-D	Socio-economic Problems of the Małopolska Region	15L	spring	2	dr hab. A. Zborowski
5116-D	<u>The Baltic Sea Region –</u> <u>Nature and Man</u>	15L+15S	autumn	3	dr Jarosław Działek
6219-D	Information Communication Technology in Science Education	60L,S, FW	autumn	5	dr M. Pietrzak

L - Lecture, S - Seminar, FW - Field works

ESRI Virtual Campus courses#

(in English, only for students with at least basic knowledge in GIS)

Numer	Nazwa przedmiotu	Zajęcia	Semestr	ECTS	Koordynator
	GIS II (VC ESRI)	75E	autumn	3	dr K. Ostafin

E – distance learning

-VC ESRI – Every subject described below is based on selected ESRI Virtual Campus Web courses(http://training.esri.com). Course content is available on-line in English (self-study). Teacher's support will be provided in English or Polish.

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Tel. +48 12 664 53 03, e-mail: katarzyna.rotter@uj.edu.pl

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WG.IG-4137-D	Arts and culture in contemporary urban development	3 ECTS
WB.IG-3226-D	Lectures with discussions 24 h, Field trips 6 h	
Type of class:	Monika Murzyn-Kupisz	
Coordinator:	exam	
Student work required:	Participation in lectures with discussions: 24 h; Participation in two field trips: 6 h Student's own work: Preparation for classes (reading texts for the course): 30 h	
	Preparation of two field trip reports: 10 h; Preparation for the final exam: 20 h Total number of hours: 90 h	
Forms and conditions for receiving credits:	Participation in discussions during lectures 10%; Field trips reports 20% Final exam (in a written form) 70% Attendance at lectures, participation in conversations during them and participation trip are compulsory and are a prerequisite to attempt the written exam. Exam marks will be required to pass it.	
Entry requirements:	none	
Description:	Following themes and topics will be included in the course: 1. Introduction to the course. Meanings and interpretations of the concept of cu goods and services. Cultural production and consumption and its spatial dimensistudies. 2. Culture in policies on the local, regional and state level. 3. Creative sector and economic development of cities. 3. Culture and new concepts of socio-economic groups in urban space. 4. Culture and its impact on quality of life, social capital and social inclusion in cities. Oparticipation and urban activism.	sion in urban
	 The uses and functions of culture in urban regeneration. Flagship projects and expace of contemporary cities. Cultural quarters as specific functional and symbolic areas within cities. Artists and their impact on functioning and transformations of contemporary urbans. Cultural heritage – an opportunity or a burden in urban development? Cultural offer and tourism attractiveness of cities (Cultural tourism in contemporar 10. Culture and city branding/urban marketing (e.g. major cultural labels such as UNI cultural events). Critique of urban development policies using culture (e.g. culture as a tool of neopolicies; carnavalisation of urban space; touristification and its negative impacts on ubuilt environment). 	n centres. ry cities). ESCO, flagship oliberal urban

WG.IG5860-D	Geography of Air Transportation	3 ECTS		
Typ zajęć:	Lecture 15h, Seminar 15h			
Koordynator:	Piotr Trzepacz			
Zaliczenie:	Egzamin			
Bilans punktów ECTS:	Contact hours – 30h; Literature reading – 30h; Essay – 20h; Study before examination Total 100h	n – 20h;		
Forma i warunki	(1) Obligatory attendance (seminar)			
zaliczenia:	(2) Positive mark from essay			
	(3) Written test			
	The written examination verifying the assumed level of knowledge, skills and personal and social			
	competence.			
Wymagania wstępne:	None			
Pełny opis:	Air transport infrastructure. Air transport tradition from global perspective. Aircraft a transport hierarchy. Introduction to international aviation law. Legal background of and deregulation. "Open skies" concept. Air transport in Poland after 2004. Central airports. Market features of air passenger transport. Carriers and alliances. Aerotropi – specialised settlement units serving airports. Airportenvironment interaction Methods of air transport impact research. Aeromobility.	f liberlization and regional olis, aeroville		

WB.IG-3226-D	Climate Change	2 ECTS		
Type of class:	Seminar: 14 h, lecture: 1 h			
Coordinator:	Zbigniew Ustrnul, Agnieszka Wypych			
Student work	tudent work Contact hours – 15 h.			
required:	Private study - literature – 15 godz.			
	Private study before the seminar – 10 h.			
	Private study before revision and examination – 20 h.			
	Total: 60 hours			
Forms and conditions	Active attendence, group work presentation, written test. Further conditions may be established			
for receiving credits:	by the lecturer.			
Entry requirements:	For master students only			
	Basic knowledge on meteorology and climatology is welcome			
Description:	Course outline: Causes of climate changes: astronomical and geographic	al theories,		
	economic activity of man. Human impact on the composition of the a	tmosphere:		
	changes of carbon dioxide and trace gases concentration – the increasing	greenhouse		
	effect and the ozone layer depletion. Recent climate changes and outlook for	_		
	climatic models and climate change scenarios. Regional climate change			
	Southern Poland, Central Europe) and their impact on the environment a			
		iiu seiecteu		
	branches of economy.			

WB.IG-4124-D	Geographical Problems of Cracow	2 ECTS
Type of class:	lecture, 15 godzin	
Coordinator:	Andrzej Zborowski, Jakub Taczanowski	
Student work	Contact hours – 15h	
required:	Literature reading – 15h	
	Study before examination — 20h	
	Total – 50h	
Forms and conditions	Exam	
for receiving credits:		
Entry requirements:	None	
Description:	Natural conditions of the city location and development. An outline of Cracow's historic Demographical structure of Cracow. Basic functions of the city: Culture/science, tourist management/ administration, industry. Urban pattern of the city and its functional zo historic core and its revitalization. Cracow's transport node and the urban/municipal to delimma. Cracow's influence zone (the urban region).	sm, ning. The

WB.IG-2013-D	Geography Research Project	12 ECTS
Type of class:	semminar, 15 godzin	•
Coordinator:	Jarosław Działek	
Student work required:	15 hours with lecturer, 345 hour of student's own work: literature reading, preparing and reports, fieldwork, analysis of results, preparing final report.	presentation
Forms and conditions for receiving credits:	Students have to prepare 3 presentations and final report. Further conditions may be e the lecturer.	stablished by
Entry requirements:	For master students only	
Description:	The aim of the course designed for foreign exchange students is to carry out an individe project in physical or human geography. The students will learn how to prepare resective assess literature, design successive stages of the research, choose methods time and resources. They will collect data during field work or in laboratory, and learn how them. Students will be obliged to present successive stages of the research project, and the form of the final report.	earch project, and manage ow to analyze

WB.IG- 5853-D	Geography Seminar Series I	4 ECTS		
Type of class:	seminar, 30 godzin			
Coordinator:	Anita Bokwa, Piotr Trzepacz			
Student work	Contact hours with the teacher – 35 hours			
required: Preparation for the practical classes – 15 hours				
	Reading of the required literature – 40 hours			
	Preparation for the final exam – 20 hours			
	Total: 105 hours of student's work			
Forms and	Attendance, written test, written test with questions referring to the issues presented a	nd discussed		
conditions for	during the seminar. Further conditions may be established by the lecturer.			
receiving credits:				
Entry	None			
requirements:				
Description:	The course is organised only for foreign students coming to the Jagiellonian University of international exchange programmes (e.g. Socrates/Erasmus). The language of the cours A part of the seminar is scheduled for the lectures of foreign researchers coming to the Geography and Spatial Management, Jagiellonian University. They present the most of from physical and human geography, studied currently. There is a discussion after each lead to the seminar is organised as a combination of introductory lectures abe environmental problems (e.g. eutrophication, natural hazards), followed by the discussion individual input of every course's participant, who read in advance selected scientific pagiven issue.	se is English. E Institute of recent issues ecture. Other rout current ion based on		

WB.IG- 5854-D	Geography Seminar Series II	4 ECTS
Type of class:	Lecture, seminar, 30 godzin	•
Coordinator:	Anita Bokwa, Piotr Trzepacz	
Student work required:	Contact hours with the teacher – 35 hours Preparation for the practical classes – 10 hours Reading of the required literature – 10 hours Preparation for the final exam – 20 hours Total: 75 hours of student's work	
Forms and conditions for receiving credits	Attendance, written test with questions referring to the issues presented and discussed seminar. Further conditions may be established by the lecturer.	d during the
Entry requirements:	None	
Entry requirements:	The course is organised only for foreign students coming to the Jagiellonian University international exchange programmes (e.g. ERASMUS+). The language of the course is En A part of the seminar is scheduled for the lectures of foreign researchers coming to the Geography and Spatial Management, Jagiellonian University. They present the most refrom physical and human geography, studied currently. There is a discussion after each Other part of the seminar is organised as a combination of introductory lectures about environmental problems (e.g. eutrophication, natural hazards), followed by the discuss individual input of every course's participant, who read in advance selected scientific pagiven issue.	glish. Institute of cent issues lecture. current ion based on

	GIS I (VC ESRI)	3 ECTS	
Type of class:	E-learning, 75 hours		
Coordinator:	Mateusz Troll		
Form of exam:	Two-part written examination with mark		
Student work	E-learning – 75 hours		
required:	Preparation for the final exam – 10 hours		
	Total: 85 hours		
Forms and	Two-part written examination with mark.		
conditions for receiving credits	Conditions for taking the examination: successful completion of all ESRI VC courses in a subject (confirmed by the ESRI VC certificates) before scheduled deadlines.		
	During the first part of examination student draws five exercises from chosen ESRI VC web course modules. Student have to complete minimum three of five randomly chosen exercises (60%). During the second part of examination student answers a questions selected from ESRI VC e-exams.		
	To complete this subject a student has to achieve a level of 60% for required knowledge and skills and a level of 100% for personal and social competences.		
Entry requirements:	Geoinformatics; or another basic GIS course		
Description:	ESRI VC web courses chosen from ESRI Training Catalog by the student at the beginning of the winter semester. Examples of available web courses: Learning ArcGIS Spatial Analyst, Learning ArcGIS 3D Analyst, Network Analysis Using ArcGIS, Getting Started with Linear Referencing, Creating and Sharing GIS Content Using ArcGIS Online.		
Note:	Distance learning (practical classes and theoretical studies)		

	GIS II (VC ESRI)	3 ECTS	
Type of class:	E-learning, 75 hours	•	
Coordinator:	Krzysztof Ostafin		
Form of exam:	One-part written examination with mark.		
Student work required:	E-learning – 75 hours Preparation for the final exam – 10 hours Total: 85 hours		
Forms and conditions for receiving credits	One-part written examination with mark. Conditions for taking the examination: successful completion of all ESRI VC courses in a subject (confirmed by the ESRI VC certificates) before scheduled deadlines. All ESRI VC courses have to be completed in the winter semester; the final examination will take place in the semester break (January / February).		
Entry requirements:	short conversation with tutor (for foreign students)		
Description:	ESRI VC web courses chosen from ESRI Training Catalog by the student at the beginning of the winter semester. Examples of available web courses: Data QC with ArcGIS: Automating Validation Using ArcGIS, Linear Referencing Using ArcGIS, Distance Analysis Using ArcGIS, Creating and Editing Metadata in ArcGIS; Creating and Integrating Data for Natural Resource Applications.		
Remarks:	Distance learning (practical classes and theoretical studies). Student cannot choose selected web courses included in other obligatory courses (list of these courses will be announced at the beginning of the winter semester) or those chosen in GIS I (VC ESRI) course. A total number of hours specified in the Training Catalog (as "Duration") for web courses chosen by the student cannot be lower than 75.		

WB.IG-3128-D	Hydrology of High Mountains	5 ECTS
Type of class:	Lecture 20 hours, seminar 20 hours, field works 10 hours	
Coordinator:	Joanna Pociask-Karteczka, Agnieszka Rajwa-Kuligiewicz	
Form of exam	writing exam – after credit with a seminar	
Student work	20 hrs – seminar; Time of contact with the teacher – 50 hrs. ;	
required:	Reading of literature – 25 hrs.; Prepare for final exam – 25 hrs.	
	Preparing specific tasks – 25 hrs.;	
	Total - 125 hrs. of student activity	
Forms and	activity during seminar, oral presentation	
conditions for	- 66% of correct answers in writing exam	
receiving credits	Further conditions may be established by the lecturer.	
Entry	none	
requirements:	Hone	
Description:	-Geographical characteristics of catchments in high mountain areas	
	-The significance of glaciers in river hydrology	
	-Types of glacier, transformation of snow to ice	
	-Mass balance and glacier movement, deformation of ice	
	-Thermal regime of glaciers	
	-Water in glaciers	
	-River regimes in high mountains in different climatic zones	
	-Floods and droughts in high mountain catchments	
	-Water and human kind in the high mountains catchments	
	-Headwaters of the biggest rivers in the world	
	Field works: postglacial landforms and hydrographic network in the Tatra Mountains	

WB.IG- 5114-D	Physical Geography of Central Europe	3 ECTS
Type of class:	lecture, 30 hours	
Coordinator:	Anita Bokwa	
Student work	Contact hours with the teacher– 35h; Literature reading – 30h;	
required:	Study before examination – 20h;	
	Total: 85 hours	
Forms and conditions for receiving credits	Written test during the examming session. Further conditions may be established by the lecturer.	
Entry requirements:	none	
Description:	The course is organised only for foreign students coming to the Jagiellonian University within international exchange programmes (e.g. Erasmus+). Content: The concept of Central Europe in historical, political and geographical perspective. Geology and geomorphological units of Central Europe. The role of orogeneses and glaciations in the formation of the present landscape of the region. Mineral resources. Soils and vegetation of Central Europe. Water balance, ground waters and mineral waters of Central Europe. Main factors controlling the climate of Central Europe, climate diversity of the region. Extreme climatic and hydrological phenomena. National and international systems of nature protection. The significance of the natural environment of Central Europe for the economical development of the region.	

WB.IG- 5817-D	Socio-Economic Problems of the Małopolska Region	2 ECTS
Type of class:	Lecture, 15 hours	
Coordinator:	Andrzej Zborowski	
Zaliczenie:	Written exam	
Student work	Contact" hours with teacher – 15 h	
required:	Readings – 25 h	
	Preparation for the exam – 20 h	
	Total: 60 h	
Forms and	Written exam	
conditions for		
receiving credits		
Entry requirements:	none	
Description:	Region's location. Geographic environment and forms of its protection. Shor Malopolska. Basic structures and socio-economic issues. Settlement system and its f transportation network of Malopolska. Basic functions of region: agriculture, ind management, tourism.	eatures with

WB.IG-5116-D	The Baltic Sea Region – Nature and Man	3 ECTS
Type of class:	Lecture 15 hours, seminar 15 hours	
Coordinator:	Jarosław Działek	
Zaliczenie:	exam	
Student work	Time of contact with the teacher – 30 hrs.	
required:	required: Reading of literature – 20 hrs.	
	Prepare for final exam – 15 hrs.	
	Total - 65 hrs. of student activity	
Forms and conditions for receiving credits	Examination: final written exam. Further conditions may be established by the lecturer.	
Entry requirements:	none	
Description:	Physical geography of the Baltic. Life in the Baltic. Eutrofication of the Baltic Sea. Industrial emissions and toxic pollutants. The environmental impact of pollutants. Environmental policy and cooperation in the Baltic Region. The prospect of sustainable society. Local and regional development. Nations and religions in the Region.	

WG.IG-6219-D	Information Communication Technology in Science Education 5 ECTS	
Typ zajęć:	direct contact with teacher: 60 h (conversational lecture – 22 h, field workshop – 10 h,	
	laboratory class – 14 h, visiting VIII International Academic High School – 14 h)	
Koordynator:	Małgorzata Pietrzak	
Zaliczenie:	Form of credit: transmedia project	
	Permission for exam: active participation in class, positive mark from e-portfolio.	
Bilans punktów	direct contact with teacher: 60 h	
ECTS:	student's independent work:	
	blended-learning: 10 h; on-line team-working: 5; project preparation: 15 h	
	3 podcasts from fieldwork 30 h; 3 lessons scenario 30 h SUM: 150 h of student work	
Forma i warunki	Training effects evaluation methods: e-portfolio, learning snapshots, webquesting,	
zaliczenia:	reports, transmedia project participation (student has to be a prosumer).	
	All reading assignments and e-portfolio are to be completed before the class meeting for which they are assigned.	
	All writing assignments (learning snapshots, webquesting, reports from school) are to be completed on the class meeting.	
	Transmedia project must be submitted or presented on or before the due date.	
	To receive a credit for this course a student have to achieve a level of 70% for required	
	knowledge and skills and a level of 100% for personal and social skills	
Wymagania	Teaching skills	
wstępne:	reacting skins	
Pełny opis:	The purpose of the course is to prepare students to effectively teach post-secondary science. Course <i>Transmedia in Science Education</i> combines field practice, laboratory experiments, creative techniques and ICT techniques in a student-created film narrative. Course prepare students for integrated nature science teaching at the secondary level. Students of geography, and especially future teachers, need to simultaneously acquire skills in field observation, laboratory analysis, literature search, conducting questionnaire surveys, or analysis of digital data in various formats. Holistic perception of any phenomena and the use of various sources of information are a starting point for implementing transmedia in geography education. Using a range of media devices, transmedia present organized content and can thus be treated as an education strategy. The course consists in transmedia storytelling representing the main cognitive theme. The main plot, (the narrative), is structured around the observation of urban landscape of Krakow, located in the valley of the Vistula River, on horst hills, an upland and foothills. A non-linear multiplatform narrative consists of seven interrelated non-hierarchical plots while the relations between the plots form the 'tissue' of the film. Students will independently choose to watch particular plots and add new parts of the film (create prequels and sequels). Application of transmedia in education requires critical thinking about modern media and current technologies and teaches the skill of using the media both as a recipient and a creator (<i>prosumer</i>). Such approach inherently involves cooperation, involvement as well as creation and sharing of ideas and communication on social networking services.	

WG.IG-E-GP-526	Transport and Land Use	6 ECTS
Type of class:	Lectures – 30 h, Seminar/Laboratory – 30h, Field seminar – 10h	
Coordinator:	Piotr Trzepacz	
Form of exam:	Written test – examines knowledge, skills and personal and social competences	
Student work required:	Attending lectures – 30h Attending seminar/laboratory – 30h Attending field seminar – 10h e-learning – 30h reading – 30h Essay elaboration – 20h Preparation to exam – 20h Total: 170h	
Forms and conditions for receiving credits	Exam: Written test. Conditions of admission to the exam: completion and positive marks for all tasks, verified attendance at lectures, seminars and field seminar Lecture: obligatory attendance Seminar/laboratory: obligatory attendance, presentation of a chosen topic, individual tasks, group project Field seminar: obligatory attendance, active participation in a discussion Final note is the result of 4 areas of evaluation: • tasks completion – 0-25 points • essay – 0-25 points • exam – 0-25 points - positive mark is mandatory to complete the course • group project – 0-25 points	
Entry requirements:	none	
Description:	Transport research and practice. Review of transport research methods. Transport infrastructure in the environment and socio-economic space. Transport infrastructure location patterns. Legal limitations towards transport infrastructure location. Planning transport infrastructure in different spatial planning systems. Spatial organization of transport on different spatial scales (global, regional, local). Transport impact on land use changes and urban development. Transport as metropolitan function. Critical infrastructure.	

WG.IG-3124-D	Principles of Glaciology	3 ECTS
Type of class:	14 hrs. lectures, 6 hrs. seminars, 10 hrs. field works in the Tatra Mats.	
Coordinator:	Joanna Pociask-Karteczka, Piotr Kłapyta	
Form of exam:	Writing exam, after credit with a field works in the Tatra Mts.	
Student work	Time of contact with the teacher – 30 hrs.	
required:	Reading of literature – 20 hrs.	
	Prepare for final exam – 15 hrs.	
	Preparing specific tasks – 10 hrs.	
	Total - 75 hrs. of student activity	
Forms and conditions	A final test – after credit with a field works in the Tatra Mts.	
for receiving credits	dits For obtaining a good minimum evaluation (3,0) 60% of knowledge and skills is required and	
	demonstration of 100% of assumed social and interpersonal competences.	
Entry requirements:	none	
Description:	Types of glacier, geography of glaciers, mass balance, transformation of snow to ice,	structure of
ice, physical properties of ice, deformation of ice, importance of temperat		to glacier
	characteristics controls on glacier temperature thermal regime and spatial v	ariations in
	temperature, water in glaciers, glacier motion, mechanisms of movement, factors	controlling
	movement , surges, glaciers and human activity.	
	Field works: glacial morphology in the Tatra Mountains	

WG.IG- 5861-D	Knowledge based economy and information society from local and 3 ECTS		
	regional perspective		
Type of class:	Ćwiczenia terenowe, 4h, Konwersatorium 8h, Wykład 8h		
Coordinator:	Grzegorz Micek		
Form of exam:	written exam		
Student work	8 hours lecture, 8 hours - seminar, 4 hours - field trip		
required:	Time of contact with the teacher – 20 hrs.		
	Preparing a presentation – 25 hrs.		
	Prepare for final exam – 20 hrs.		
	Preparing specific tasks – 10 hrs.		
	Total - 75 hrs. of student activity		
Forms and conditions	Completion requirements - five pillars: case study presentations; reading of assigned		
for receiving credits	material; participation in discussion; field study visits, written exam		
Entry requirements:	none		
Description:	Contents outline:		
	1. Terminology (knowledge-based economy, digital economy, e-economy; information		
	society, digital society) – lecture		
	2. Spatiality in the information society - the death of distance? Discussion		
	3. Information technologies and the "new economy" debate – lecture		
	4. Geographies of Internet and electronic commerce – lecture + case studies of companies and projects		
	5. Changing nature of work and skills in the E-economy (telework) – lecture		
	6. Paradox of a double-edged geography – local ecosystems of the global digital		
	economy – lecture		
	7. Peripheral regions and the 'Digital Divide' – case study presentations + discussion 8. Regional innovation systems – the Polish response to the lack of innovativeness and		
	to the digital divide? Lecture		
	9. Analysis of regional innovation systems and strategies in Poland – case study		
	presentations + discussion		
	10. Local and regional projects of development of information society in Poland (e-		
	school, e-government, e-health, e-museum etc.) – case study presentations + discussion		
	11. Field study visits: Local and regional response to the 'Digital Divide'		
	11. Held Stady visits. Local and regional response to the Digital Divide		

WB.IG-5113-D	Socio-Economic Geography of Central Europe	3 ECTS	
Type of class:	Wykład, 30 godzin		
Coordinator:	Piotr Trzepacz		
Form of exam:	exam		
Student work	Contact hours – 16h		
required:	Literature reading – 30h		
	Study before examination – 24h		
	Total 70h		
Forms and conditions	Weller was 5 d. But a little little little		
for receiving credits	Written exam. Further conditions may be established by the lecturer.		
Entry requirements:	none		
Description: Central Europe – identification problems. Political borders changes as fa		nizing socio-	
	economic space. Demographic processes in Central Europe. Migrants in Central Euro		
	and ethnic minorities in Central Europe. Conditions of socioeconomic development. Ce	entral Europe	
	as electoral space. Central Europe after two decades of transition. Central European c	ountries and	
	the European Union enlargement. Transborder cooperation.		