COURSE OFFERED

Name of the course	Polish	Geografia fizyczna stosowana
	English	Applied Physical Geography (AphG)

1. LOCATION OF THE COURSE OF STUDY WITHIN THE EDUCATION SYSTEM

1.1. Section [1]	Exact and Natural Sciences
1.2. Discipline[2]	Earth and related Environmental Sciences
1.3. Type of education	stationary
1.4. Level of education	doctoral school
1.5. Person preparing the course description	dr hab. Maria Górska-Zabielska, prof. UJK
1.6. Contact	maria.gorska-zabielska@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Type of course [3]	specialized subjects in the discipline
2.2. Language of the course	English

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Type of classes[4]		lecture , excercises
3.2. The number of hours[5]		15h (lecture) and 15h (excercises)
3.3. Location of classes		classes in the teaching room at the Jan Kochanowski University, stony garden on the Faculty yard
3.4. Type of assessment		exam and course credits
3.5. Didactic methods		lecture (presentation), do-it-yourself task sheets, students' presentation on a chosen topic
3.6. Literature	**basic**	Bailly A., Gibson L.J. (eds.), 2004: Applied Geography. A World Perspective, Springer-Science+Business Media, B.V., Dordrecht Pacione M., 1999: Applied geography: in pursuit of useful knowledge. Applied Geography 19: 1–12.
	supplementary	Das R., 2016: "From applying effort to applied discipline"- geography as the dynamic field with today's contextualizing issues of society and nature. Int. J. Adv. Res. 4(8), 81-100. http://www.journalijar.com/uploads/509_IJAR-11367.pdf Pacione M., 2011: Applied Geography: Principles and Praxis. HRVATSKI GEOGRAFSKI GLASNIK, 73/1, 7 – 28 Thornbush M.J., 2012: Archaeogeomorphology as an application in physical geography. Applied Geography 34: 325-330

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDEND LEARNING OUTCOMES

4.1. Course objectives [CO] (including the form of classes)

Lecture:
CO 1. Learning about the most rational use of all geographical resources in order to meet the needs of society.

[1] Section of Humanities:, Social Sciences, Section of Exact and Natural Sciences, Section of Medical and Health Sciences, Section of Arts.
[2] History,Linguistics, Literary Studies, Medical Sciences, Health Sciences, Political and Administrative Sciences, Legal Sciences, Security Sciences, Pedagogy, Communication and Media Studies, Management and Quality Studies, Biological Sciences, Chemical Sciences, Physical Sciences, Earth and related Environmental Sciences, Visual Arts and Artwork Conservation, Musical Arts.
[3] General courses, domain specific subjects in the section, disciplinary subjects in the sections, specialized subjects in the discipline.
[4] Classes, lecture, seminar.
[5] Consistent with the education program at the Doctoral School Jan Kochanowski University in Kielce.

CO 2. Developing proposals for appropriate organisational forms that would allow society to control its geographical space.
CO 3. Defining the characteristics of APhG.
Classes:
CO 4. Recognising APhG as a special branch of geography, separate from other branches. Learning about a different approach expressed in the scope of research, its objectives, results containing an assessment of facts, as well as the special methods used
CO 5. Understanding and assessing the effects of threats resulting from the impact of natural processes.

4.2. Syllabus content
Lectures:
Defining Characteristics of AphG, Historical Background of Applied Geography, Cycles of pure and applied geography (2 hours)

The practical purpose of the research, Elements of evaluation, Quantitative methods, Future and the possibilities of further development, The Value of Applied Geography (2 hours)
Careers in Applied Geographic Technology (1 hour)
General Problem related to APhG, Prospects of Applied Geography, Selected examples from the Świętokrzyskie region on applied physical geography (2 hours)
The role of geography in the quality of life research, Geotourism as a generator, a flywheel for sustainable development (2 hours)
Advances in geospatial technologies, Growing Demand for Applied Geography, Place-Based Public Policies and New Areas of Applications, Learn to Think Spatially and Practice Applied Geography with Heightened Ethical Sensitivity (1 hour)

Classes:
No. 1 Hits of heavenly bodies, global and regional disasters (2 hours)
No. 2 Atmosphere - the protective cover of the Earth (2 hours)
No. 3 Ozone in the atmosphere (2 hours)
No. 4 Deforestation (2 hours)
No. 5 Desertification and soil erosion (2 hours)
No. 6 Food of the population on the globe - natural aspects (2 hours)

No. 7-8 Sustainable tourism: Suggest a nature trail in your PhD area that will take into account the principles of sustainable tourism (4 hours)
No. 9-10 Find an on-line paper on https://www.sciencedirect.com/journal/applied-geography/issues, read it and give a short report in *.ppt (4 hours)

5. SUBJECT LEARNING OUTCOMES

Learning outcomes	A doctoral student who has passed the subject:	Reference to the learning outcomes of Doctoral School (according to the training program at the Doctoral School)
in the area of KNOWLEDGE:		
SD_W02	The doctoral student has advanced knowledge of development trends in disciplines related to the research or project theme being pursued	P8U_W
SD_W03	The doctoral student has expanded knowledge of research methodologies, including statistical analysis of results	P8U_W

SD_W05	The doctoral student has knowledge of preparing scientific publications or publications of project outcomes, including under the principles of open access	P8U_W
in the area of SKILLS:		
SD_U01	The doctoral student can define the goal and subject of research or project activities, as well as formulate research hypotheses in the discipline where the doctoral dissertation is being prepare	P8U_U
SD_U02	The doctoral student can create a research plan or a project activity plan, including advanced research procedures and an original research or project concept	P8U_U
SD_UO6	The doctoral student can disseminate research results or project outcomes through oral presentations and written works	P8U_U
in the area of SOCIAL COMPETENCE:		
SD_K01	The doctoral student can critically analyze their own contribution to the development of the discipline in which the doctoral dissertation is being prepared, as well as evaluate the scientific, or project-related achievements of other researchers, or designers in the same discipline	P8U_U
SD_KO2	The doctoral student is able to justify the significance of knowledge in addressing cognitive and practical problems	P8U_U
SD_K05	The doctoral student can independently conduct scientific research or project activities, adhering to the principles of public ownership of research results or project outcomes and ensuring intellectual property protection	P8U_U

6. METHODS OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

SUBJECT LEARNING OUTCOMES	**METHOD OF ASSESSMENT (+/-)**																				
	written exam			**test**			**do-it-yourself task sheets**			**activity in class**			**own presentation**			**Group work**			**Others**		
	The type of classes			***The type of classes***			***The type of classes***			***The type of classes***			***The type of classes***			***The type of classes***			***The type of classes***		
	L	*E*	*S*	*L*	*E*	*S*	*L*	*E*	*S*	*L*	*E*	*S*	*L*	*E*	*S*	*L*	*E*	*S*	*L*	*E*	*S*
SD_W02	***X***																				
SD_W03	***X***							***X***						***X***							
SD_W05								***X***						***X***							
SD_U01								***X***						***X***							
SD_U02								***X***						***X***							
SD_UO6	***X***										***X***										
SD_K01											***X***										
SD_KO2											***X***										
SD_K05														***X***							

7. CRITERIA OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

Form of classes	Grade	Criterion of assessment
Lecture (L)	**3,0**	51-60% correct answers to exam questions
	3,5	61-70% correct answers to exam questions
	4,0	71-80% correct answers to exam questions
	4,5	81-90% correct answers to exam questions
	5,0	91-100% correct answers to exam questions
Excercises (E)	**3,0**	51-60% of the number of points obtained from the presentation and do-it-yourself task sheets
	3,5	61-70% of the number of points obtained from the presentation and do-it-yourself task sheets
	4,0	71-80% of the number of points obtained from the presentation and do-it-yourself task sheets
	4,5	81-90% of the number of points obtained from the presentation and do-it-yourself task sheets
	5,0	91-100% of the number of points obtained from the presentation and do-it-yourself task sheets

Accepted for execution

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