

Annexe no. 2 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM
in the domain of SOCIO-ECONOMIC GEOGRAPHY AND SPATIAL PLANNING
applicable from academic year 2019/2020

Doctoral school	Doctoral School in the Social Sciences (DSSS) at the Jagiellonian University in Krakow
Scientific domain and scientific discipline in which DSSS educates	Domain of the social sciences Discipline: socio-economic geography and spatial planning
Length of instruction at DSSS	4 years, 8 semesters
Form of education at the Doctoral School	Stationary
Specification of the main language in which courses are held	Polish and English
Level of education	Level 8 of the Polish Qualifications Framework and European Qualifications Framework
Terms and conditions for realizing curriculum	In order to complete Doctoral School in the Social Sciences (DSSS) in the discipline the following are required: 1) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 2) collecting in the course of realizing the Doctoral Program (DP) at least 40 ECTS, including 30 ECTS related to PhD student's preparation for carrying out research and publishing its results; 3) submitting doctoral thesis in social sciences in the discipline socio-economic geography and spatial planning.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours
Listing of modules (obligatory and optional) with ECTS points assigned	Module 1. Specialist training - selected areas of scientific achievements (min. 13 ECTS), Module 2. Methodological training - methodology of social studies (min. 3 ECTS), Module 3. Academic competencies-conditions for developing scientific career (min. 12 ECTS), Module 4. Professional competence and soft skills including preparation for teaching (min. 9 ECTS).
Rules for verification of acquisition of competencies on Level 8 of the Polish Qualifications Framework as part of classes and outside them, including rules for passing modules realized at other universities/universities abroad and for certifying education outcomes realized	PhD student may confirm achieving the projected education outcomes as part of classes offered by the Doctoral School in the Social Sciences included in education modules, as well as on the basis of own activity realized outside classes. In the latter case the outcomes are confirmed by the Head of DP on the basis of opinion of the Supervisor or Doctoral Committee.

outside classes)	
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Listing of activities

<p>Module 1 Specialist training - selected areas of scientific achievements (min. 13 ECTS)</p>

<i>Subject area/course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
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Subject area/course/activity
OBLIGATORY

Doctoral seminar (year I)	45	2	I	I-II	seminar	W1, W2 (P8S_WG), W3 (P8S_WK), U1, U2 (P8S_UW), K1, K2 (P8S_KK)
Doctoral seminar (year II)	45	2	II	III-IV	seminar	W1, W2 (P8S_WG), W3 (P8S_WK), U1, U2 (P8S_UW), K1, K2 (P8S_KK)
Doctoral seminar (year III)	45	2	III	V-VI	seminar	W1, W2 (P8S_WG), W3 (P8S_WK), U1, U2 (P8S_UW), K1, K2 (P8S_KK)
Doctoral seminar (year IV)	45	2	IV	VII-VIII	seminar	W1, W2 (P8S_WG), W3 (P8S_WK), U1, U2 (P8S_UW), K1, K2 (P8S_KK)
Research in socio-economic geography and spatial planning (<i>presentation: State of the research</i>)	10	1	I	II	seminar/ discussion session	U1, U2 (P8S_UW), K1 (P8S_KK)

Objectives and research methods in socio-economic geography and spatial planning <i>(presentation: Objective, scope and methodology of projected doctoral thesis. Degree of realisation of Individual Research Plan)</i>	15	1	II	IV	seminar/ discussion session	U1, U2 (P8S_UW), K1 (P8S_KK)
Presentation and analysis of research results at The Institute of Socio-Economic Geography and Spatial Management <i>(presentation: Initial research findings in the scope of realized doctoral dissertation)</i>	15	1	III	VI	seminar/ discussion session	U1, U2 (P8S_UW), K1 (P8S_KK)
Introduction to theory and geographical information technology <i>Theory of geographical information – basic concepts (representation of geographical data, methods of obtaining, analysing and visualising geographical data, spatial information infrastructure). Practical basics for working with GIS software. Possibilities to apply GIS to social research and socio-economic geography. Credit granted on the basis of attendance and obtained Esri Academy certificates</i>	22+ min. 30	2	I	I-II	lecture (6)/ classes (16)/ Esri Academy (min. 30) laboratory	W1, W2 (P8S_WG), W3 (P8S_WK), U1, U2 (P8S_UW)

**Subject area/course/activity
OPTIONAL**

Complexity and contextuality of selected civilisation problems <i>Issue: climate change, global ocean pollution, air pollution, deepening disparities in standards of living, impact of tourism on civilisation changes</i>	30	1	I	I-II	lecture	W1, W2 (P8S_WG), W3 (P8S_WK)
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Module 2
Methodological training - methodology of social studies (min. 3 ETCS)

<i>Subject area/course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Subject area/course/activity OBLIGATORY						
Research methods in socio-economic geography <i>Form of credit: reading key texts/participation in discussion/essay. Institutional, evolutionary, networking approaches in socio-economic geography</i>	10	1	I	I-II	discussion session/ lecture	W2, W4 (P8S_WG), U2, U3 (P8S_UW), U4 (P8S_UO), K2 (P8S_KK), K3 (P8S_KR)
Subject area/course/activity OPTIONAL						
Methods of spatial analysis <i>Form of credit: completion of assignments specified in the course of classes</i>	8	1	until IV	until IV	classes/ laboratory	U2 (P8S_UW)
Methodology of social studies	30	2	I-IV	I-VIII	course/workshop	W2, W4 (P8S_WG), U2, U3 (P8S_UW), U4 (P8S_UO), K2 (P8S_KK), K3 (P8S_KR)
Scientific research methods	30	2	I-IV	I-VIII	course/workshop	W2, W4 (P8S_WG), U2, U3 (P8S_UW), U4 (P8S_UO), K2 (P8S_KK), K3 (P8S_KR)
Specialist courses in analysis of quantitative data	10-30	1-2	I-IV	I-VIII	course/workshop	W2, W4 (P8S_WG), U2, U3 (P8S_UW), U4 (P8S_UO), K2 (P8S_KK), K3 (P8S_KR)
Specialist courses in analysis of qualitative data	10-30	1-2	I-IV	I-VIII	course/workshop	W2, W4 (P8S_WG), U2, U3 (P8S_UW), U4 (P8S_UO), K2 (P8S_KK), K3 (P8S_KR)

Module 3
Academic competencies-Conditions for developing scientific career (min. 12 ETCS)

<i>Subject area/course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Subject area/course/activity OBLIGATORY						
Own research <i>Independent carrying out a research/analytic cycle in a selected subdiscipline of socio-economic geography and spatial planning under supervision of the academic who approves the course thus confirming acquisition of competencies. Employee receives 30 teaching hours for the supervision over 1 PhD student (limit maximum 2 PhD students per year). Credit in stages!</i>	30	1	I-IV	until VII	unassisted student work	W6 (P8S_WK), U4 (P8S_UO), U6 (P8S_UK), K3 (P8S_KR), K4, K5 (P8S_KO)

<p>Scientific activity Credit: fulfilment of all three conditions: 1) <i>accepting an article to print in a journal listed in adequate registry of Ministry of Science and Higher Education d; conditions: first author and with over 50 per cent contribution in preparing the text (1 or 2 ECTS);</i> 2) <i>internship in a foreign (2 ECTS) or in-country scientific centre (1 ECTS) or proposal requesting NCN funding passing formal appraisal (2 ECTS);</i> 3) <i>participation in 1 domestic (1 ECTS) and 1 (international) conference of global or European rank (2 ECTS).</i> Credited by the Head of DP.</p>	180	6	I-IV	until VII	unassisted student work	W5, W6 (P8S_WK), W7, U4 (P8S_UO), U5 (P8S_UW), U6, U7, U8, U9 (P8S_UK), U10 (P8S_UU), K3 (P8S_KR), K4, K5 (P8S_KO)
<p>Dissemination of research findings <i>Presentations at Science Festival, chats about geography, Revision Nights, Scientists' Nights and other forms of dissemination (1 ECTS per 1 form)</i></p>	30	1	I-II	until IV	unassisted student work	U7 (P8S_UK), K4 (P8S_KO)
<p>Modern foreign language course</p>		4	I-III	until VI	classes/ discussion session	U9 (P8S_UK)
<p>Training in Occupational Safety and Health</p>	4					
Subject area/course/activity OPTIONAL						
<p>Raising funds for research and managing research projects</p>	20	2	I-IV	I-VIII	workshop	W6 (P8S_WK), W7, U5 (P8S_UW), K5 (P8S_KO)
<p>Intellectual property protection and ethics in conducting scientific research</p>	15	1	I-IV	I-VIII	discussion session	W6 (P8S_WK), K3 (P8S_KR)

Dissemination and popularization of research findings	15	2	I-IV	I-VIII	workshop	W5, U6, U7, U8 (P8S_UK), K4 (P8S_KO)
Workshops developing scientific cooperation skills Scientific career management and self-development planning	15	2	I-IV	I-VIII	workshop	W6 (P8S_WK), U9 (P8S_WK), K3 (P8S_KR)
Scientific career management (including communication in science and business, time management)	30	3	I-IV	I-VIII	discussion session	W7, U4 (P8S_UO), U5 (P8S_UW), U10 (P8S_UU)
Work in research teams and fundamentals of project organization	15	1	I-IV	I-VIII	workshop	W6 (P8S_WK), W7, U4 (P8S_UO), U9 (P8S_UK), U10 (P8S_UU), K5 (P8S_KO)
Social sciences for economy and business	15	1	I-IV	I-VIII	discussion session	W7, U4 (P8S_UO), K3 (P8S_KR)
Academic writing – editing scientific texts	30	2	I-IV	I VIII	workshop	W5, U6 (P8S_UK), U8, U9
Publishing research papers	10-30	1-3	I-IV	I-VIII	workshop	W5, U6, U8, U9 (P8S_UK)
Impression management and public speaking	30	2	I-IV	I-VIII	workshop	W5, U5 (P8S_UW), U8 (P8S_UK)

Module 4
Professional competence and soft skills including preparation for teaching (min. 9 ECTS)

<i>Subject area/course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Subject area/course/activity OBLIGATORY						
Fundamentals of academic teaching	30	3	I-II	I-IV	discussion session	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)
Teaching practice specified by Practice Regulations <i>1 ECTS for 30 practice hours</i>	10-60 per year	until 6	I-IV	I-VIII	practice	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)

Subject area/course/activity
OPTIONAL

Modern information and communication technologies in academic teaching	30	2	I-IV	I-VIII	course	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)
Voice emission with elements of rhetoric	15	1	I-IV	I-VIII	workshop	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)
Academic tutoring	15	1	I-IV	I-VIII	workshop	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)
Designing classes	15	1	I-IV	I-VIII	workshop	W5, W7, U7 (P8S_UK), U10, U11 (P8S_UU), K2 (P8S_KK), K4 (P8S_KO)
Interpersonal communication	15	1			workshop	U7 (P8S_UK), U10, U11 (P8S_UU)