



75.0200.44.2019

**Ordinance no. 44
by the Jagiellonian University Rector
of 27 June 2019**

on: establishing doctoral programs in the Doctoral School in the Social Sciences

Pursuant to Art. 23 (1) of the Act of 20 July 2018 – Law on Higher Education and Science (O.J. of 2018 item 1668, as amended) concerning § 4 (10) Rules and Regulations of the Doctoral School in the Social Sciences which constitutes Annexe no. 2 to Act no. 27/IV/2019 of the Jagiellonian University Senate of 24 April 2019 on doctoral schools rules and regulations I hereby order as follows:

§ 1

Starting from academic year 2019/2020 the following doctor programs will be established in the Doctoral School in the Social Sciences:

- 1) doctoral program in social sciences in the domain of Economics and Finance which constitutes Annexe no. 1 to this Ordinance;
- 2) doctoral program in social sciences in the domain of Socio-Economic Geography and Spatial Planning which constitutes Annexe no. 2 to this Ordinance;
- 3) doctoral program in social sciences in the domain of Social Communication and Media which constitutes Annexe no. 3 to this Ordinance;
- 4) doctoral program in social sciences in the domain of Political and Public Administration Sciences, which constitutes Annexe no. 4 to this Ordinance;
- 5) doctoral program in social sciences in the domain of Management and Quality Sciences which constitutes Annexe no. 5 to this Ordinance;
- 6) doctoral program in social sciences in the domain of Legal Sciences which constitutes Annexe no. 6 to this Ordinance;
- 7) doctoral program in social sciences in the domain of Sociology which constitutes Annexe no. 7 to this Ordinance;
- 8) doctoral program in social sciences in the domain of Pedagogy which constitutes Annexe no. 8 to this Ordinance;
- 9) doctoral program in social sciences in the domain of Psychology which constitutes Annexe no. 9 to this Ordinance;
- 10) doctoral program in social sciences in the domains of Economics and Finance, Socio-Economic Geography and Spatial Planning, Social Communication and Media, Political and Public Administration Sciences, Management and Quality Sciences, Legal Sciences, Sociology, Pedagogy and Psychology named cross-disciplinary program “Society of the Future” which constitutes Annexe no. 10 this Ordinance;

11) doctoral program in social sciences in the domains of Psychology, Humanities, Philosophy, Exact and Natural Sciences, Biological Sciences, Medical Sciences and Health Sciences named International Doctoral Program in Cognitive Neuroscience which constitutes Annexe no. 11 this Ordinance.

§ 2

The doctoral programs mentioned in § 1 shall be governed and their ongoing activities shall be organized by heads of individual doctoral programs.

§ 3

This Ordinance shall enter into force on the day of its signing.

Rector

Professor Wojciech Nowak, MD, PhD

Annexe no. 1 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM
in the domain of ECONOMICS AND FINANCE
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: economics and finance
Length of instruction at DSSS	4 years (8 semesters) or 3 years (6 semesters) in accordance with the carried out education program
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 economics and finance.
Terms and conditions for granting ECTS points	1 ECTS = 30 working hours of PhD student as part of classes and outside them
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 outside classes)	Achieving projected education outcomes may be confirmed 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.

Listing of activities

Module 1 Specialist training - selected areas of scientific achievements						
<i>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>
Doctoral seminar (consultations with supervisor)	10 h each year (in total 40 h)	2 x 4 = 8	I-IV	I-VIII	seminar	W1, W4, U1, U2, U3, U9, K1, K2, K5
Theory of economics I	30 h	2	I-II	I-IV	lecture	W2, U1, U2, K1, K2
Theory of economics II	30 h	2	I-II	I-IV	lecture	W2, U1, U2, K1, K2
Module 2 Methodological training - methodology of social studies						
<i>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>
Methodology of social studies	30 h	2	I-II	I-IV	course/workshops	W3, W5
Scientific research methods	30 h	2	I-II	I-IV	course/workshops	W3, K2
Specialist courses in analysis of quantitative data: a) Advanced methods of statistical data analysis, b) Econometrics – special models, c) Mathematical methods in economics.	10-30 h	1-2	I-II	I-IV	course/workshops	W2, U1, U2, K1, K2

Module 3
Academic competencies-conditions for developing scientific career

<i>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>
Raising funds for research and managing research projects	20 h	2	I-IV	I-VIII	workshop	W6, W7, U5, K5
Intellectual property protection and ethics in conducting scientific research	15h	1	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings	15 h	2	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4
Workshops developing scientific cooperation skills Scientific career management and self-development planning	15 h	2	I-IV	I-VIII	workshop	W6, U9, K3
Scientific career management (including communication in science and business, time management)	30 h	3	I-IV	I-VIII	discussion session	W7, U4, U5, U10,
Work in research teams and fundamentals of project organization						W6, W7, U4, U9, U10, K5
Social sciences for economy and business	15 h	1	I-IV	I-VIII	discussion session	W7, U4, K3,
Academic writing – editing scientific texts	30 h	2	I-IV	I-VIII	workshop	W5, U6, U8, U9

Impression management and public speaking	30 h	2	I-IV	I-VIII	workshop	W5, U5, U7, U8
Modern foreign language course		4	I-IV	I-VIII	workshop	U8
Training in Occupational Safety and Health	4 h					

Module 4
Professional competence and soft skills including preparation for teaching

<i>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>
Fundamentals of academic teaching	30 h	3	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	30 h	2	I-IV	I-VIII	course	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations	10-60 h per year		I-IV			W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric	15 h	1	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Academic tutoring	15 h	1	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Designing classes	15 h	1	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication	15 h	1			workshop	W5, W7, U7, U10, U11, K2, K4

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

Module 1						
Specialist training - selected areas of scientific achievements (min. 13 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						
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)

Annexe no. 3 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM in the domain of SOCIAL COMMUNICATION AND MEDIA <i>applicable from academic year 2019/2020</i>	
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: social communication and media
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: 4) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 5) 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; 6) submitting doctoral thesis in social sciences in the discipline of social communication and media.
Terms and conditions for granting ECTS points	1 ECTS = 30 h
Listing of modules (obligatory and optional) with ECTS points assigned	<p>OBLIGATORY courses:</p> <p>1) <u>Courses obligatory at the first year of instruction:</u> – Seminar – 10 h, 2 ECTS, – Methodology of social studies – 30 h, 2 ECTS, – Fundamentals of academic teaching – 30 h, 3 ECTS, – Intellectual property protection and ethics in conducting scientific research – 15 h, 1 ECTS.</p> <p>2) <u>Courses obligatory at remaining years of instruction:</u> – Seminar – 30 h (10 h per year), in total 6 ECTS, – Teaching practice specified by Practice Regulations – 60 h per year, in total 6 ECTS.</p> <p>Optional courses:</p> <ul style="list-style-type: none"> – Selected problems of information management research – 30 h, 2 ECTS, – Scientific infobrokering and Open Source Intelligence – 30 h, 2 ECTS, – Media studies theoretical seminar – 45 h, 3 ECTS, – Media studies practical seminar – 45 h, 3 ECTS, – Methodology of media studies and social communication – 30 h, 2 ECTS, – Raising funds for research and managing research projects – 20 h, 2 ECTS, – Academic writing – editing scientific texts – 30 h, 2 ECTS, – Dissemination and popularization of research findings – 15 h, 1 ECTS,

	<ul style="list-style-type: none"> - Impression management and public speaking – 30 h, 2 ECTS, - Work in research teams and fundamentals of project organization – 15 h, 1 ECTS, - Scientific career management (including communication in science and business, time management) – 30 h, 3 ECTS, - Modern information and communication technologies in academic teaching – 30 h, 2 ECTS, - Voice emission with elements of rhetoric – 15 h, 1 ECTS, - Academic tutoring – 15 h, 1 ECTS, - Designing classes – 15 h, 1 ECTS, - Interpersonal communication – 15 h, 1 ECTS, - Training in Occupational Safety and Health – 4 h, 0 ECTS.
<p>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 outside classes)</p>	<p>Achieving projected education outcomes may be confirmed 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.</p> <p>At DSSS the following forms of verification of learning outcomes are acceptable:</p> <ul style="list-style-type: none"> - validating learning outcomes as part of doctoral seminar, - validating learning outcomes as part of student's individual work specified by their supervisor, - validating learning outcomes in compliance with the rules laid down in the course offered as part of DSSS, - validating learning outcomes in compliance with the rules laid down in the course offered by other doctoral school of the Jagiellonian University, - validating learning outcomes as part of student's individual work specified by lecturer, - preparing formally correct application form in order to raise funds for research, e.g. application for Preludium as part of NCN grants, - positive evaluation of the project submitted as part of NCN competition together with granting funds, - preparing a scientific article meeting the requirements of scientific texts validated by acceptance for print (for 20-point journals) or acceptance of a thesis for review in case of +40-point journals, - performing an expertise in adequate discipline commissioned by an external body, - reviewing a scientific article in adequate discipline for a journal listed in JCR in the area of the prepared doctoral thesis, - participating in works of interdisciplinary research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities, - active participating in a scientific conference (preparing a speech, communication or poster), - participating in the works of scientific committee of an international conference in adequate discipline, - validating learning outcomes in compliance with the rules laid down in courses for PhD students and teaching staff offered by Ars Docendi, e.g. as part of the Power Ars Docendi project,

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| | <ul style="list-style-type: none">- running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), supervision in the form of tutoring with respect to issues adequate for the learning outcomes,- validating learning outcomes in compliance with the rules laid down in other forms, organized outside DS, e.g. summer or winter schools, workshops, educational and popularizing undertakings, by preparing an implementation project for research findings and other social activities popularizing scientific research results and other agreed in Individual Research Plan,- examination in a foreign language on a specified level carried out by a Jagiellonian Language Centre (JCJ) examiner,- language certificates obtained outside the Jagiellonian University accepted by JCJ,- supervision over a scientific circle, its section or other body associating students,- establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research,- participating in advisory and/or expert bodies competencies of which are related to science on national, local government or corporate levels,- participating in statutory bodies of the university and/or scientific societies,- obtaining a favourable opinion of ethics committee adequate for the opinionated project. |
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Listing of activities

Module 1						
Specialist training - selected areas of scientific achievements in social communication and media						
<i>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>
Doctoral seminar (consultations with supervisor)	10 h each year (in total 40 h)	2x4=8	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Selected problems of information management research	30 h	2	I-IV	I-VIII	discussion session	W1, W2, W3, U1, U2, K1, K2
Scientific infobrokering and Open Source Intelligence	30 h	2	I-IV	I-VIII	course/workshop	W1, W2, W3, U1, U2, K1, K2
Media studies theoretical seminar	45 h	3	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Media studies practical seminar	45 h	3	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Module 2						
Methodological training - methodology of social studies						
<i>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>
Methodology of social studies	30 h	2	I-IV	I-VIII	course/workshop	W2, W4, U2, U3, U4, K2, K3
Methodology of media studies and social communication	30 h	2	I-IV	I-VIII	course/workshop	W2, W4, U2, U3, U4, K2, K3

Module 3
Academic competencies (scientific communication; conditions for developing scientific career)

<i>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>
Raising funds for research and managing research projects	20 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U5, K5
Intellectual property protection and ethics in conducting scientific research	15 h	1 ECTS	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, U7, U8, K4
Scientific career management (including communication in science and business, time management)	30h	3 ECTS	I-IV	I-VIII	discussion session	W7, U4, U5, U10
Work in research teams and fundamentals of project organization	15 h	1 ECTS	I-IV	I-VIII	workshop	W7, U4, U10, K5
Academic writing – editing scientific texts	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U8, U9
Impression management and public speaking	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U5, U8
Training in Occupational Safety and Health	4 h	0 ECTS	I-IV	I-VIII	workshop	

Module 4
Professional competence and soft skills (academic teaching; preparation for teaching)

<i>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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Fundamentals of academic teaching	30 h	3 ECTS	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	30 h	2 ECTS	I-IV	I-VIII	course	W5, W7, U7, U10, K2, K4
Teaching practice specified by Practice Regulations	60 h per year, on the II, III, IV year	3x2 = 6 ECTS	II-IV	III-VIII	practice	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, K2, K4
Academic tutoring	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, K2, K4
Designing classes	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication	15 h	1 ECTS	I-IV	I-VIII	workshop	U7

Annexe no. 4 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM in the domain of POLITICAL AND PUBLIC ADMINISTRATION SCIENCES <i>applicable from academic year 2019/2020</i>	
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: political and public administration sciences
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: 7) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 8) 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; 9) submitting doctoral thesis in social sciences in the discipline of political and public administration sciences.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours PhD student's work
Listing of modules (obligatory and optional) with ECTS points assigned	<p>MODULE 1 – SPECIALIZED TRAINING – Political and public administration sciences</p> <p>As part of a module a PhD student is obliged to obtain at least 12 ECTS.</p> <p>Obligatory: Consultations with supervisor related to preparing doctoral thesis – doctoral seminar, 30 hrs., 2 ECTS per year = 8 ECTS during the entire school.</p> <p>Optional: As part of module DS offers PhD student courses to choose.</p> <p>Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.</p>
	<p>MODULE 2 – METHODOLOGICAL TRAINING – Methodology of social studies</p> <p>As part of a module a PhD student is obliged to obtain at least 10 ECTS.</p> <p>Obligatory: As part of module DS offers PhD student courses to choose:</p> <ol style="list-style-type: none"> 1) Methodology of political studies – 30 h, course/workshop, 2 ECTS; 2) Workshop in methodology of scientific research – 30 h, workshop, 2 ECTS;

- 3) Specialized courses in qualitative data analysis – (as part of the subject DS may offer / PhD student may choose 10-, 15- or 30-hour courses) 1-2 ECTS depending on the course;
- 4) Specialist courses in analysis of quantitative data (as part of the subject DS may offer / PhD student may choose 10-, 15- or 30-hour courses) – 1-2 ECTS depending on the course.

Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.

MODULE 3 – ACADEMIC COMPETENCIES – Conditions for developing scientific career

As part of a module a PhD student is obliged to obtain at least 10 ECTS.

Obligatory:

- 1) course in a modern foreign language on level C1, 4 ECTS;
- 2) Health and Safety of Education course, 4 h, 0 ECTS.

Optional:

As part of module DS offers PhD student courses to choose:

- 1) Raising funds for research and managing research projects – 20 h, workshop, 2 ECTS;
- 2) Intellectual property protection and ethics in conducting scientific research – 15 h, discussion session, 1 ECTS;
- 3) Dissemination and popularization of research findings – 15 h, workshop, 2 ECTS;
- 4) Workshops developing scientific cooperation skills Scientific career management and self-development planning – 15 h, workshop, 2 ECTS;
- 5) Scientific career management – 30 h, discussion session, 3 ECTS;
- 6) Social sciences for economy and business – 15 h, 1 ECTS;
- 7) Academic writing – editing scientific texts – 15-30 h, workshop, 1-2 ECTS;
- 8) Impression management and public speaking – 15-30 h, workshop, 1-2 ECTS.

Attention:

- 1) Courses may be conducted in Polish or English according to the course offer announced for a given year;
- 2) Course *Social sciences for economy and business* enables to achieve learning outcomes W7, U5, K5 – indispensable for achieving outcomes described on Level 8 of the Polish Qualifications Framework.

MODULE 4 – PROFESSIONAL COMPETENCE AND SOFT SKILLS – Preparation for teaching

As part of a module a PhD student is obliged to obtain at least 8 ECTS.

Obligatory:

- 1) Fundamentals of academic teaching – 30 h, discussion session, 3 ECTS;
- 2) Teaching practice specified by Practice Regulations – 15 h per year, 60 h during the entire school, 1 ECTS per year = 4 ECTS during the entire school.

	<p>Optional: As part of module DS offers PhD student courses to choose:</p> <ol style="list-style-type: none"> 1) Modern information and communication technologies in academic teaching – 15 h, workshop, 1 ECTS; 2) Interpersonal communication – 15 h, workshop, 1 ECTS; 3) Voice emission with elements of rhetoric – 15 h, workshop, 1 ECTS; 4) Academic tutoring – 15 h, workshop, 1 ECTS; 5) Designing classes – 15 h, workshop, 1 ECTS; 6) Modern methods and techniques for running classes – 15 h, 1 ECTS. <p>Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.</p>
<p>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 outside classes)</p>	<p>Achieving projected education outcomes may be confirmed 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.</p> <p>At DSSS the following forms of verification of learning outcomes are acceptable:</p> <ul style="list-style-type: none"> - validating learning outcomes as part of doctoral seminar, - validating learning outcomes as part of student's individual work specified by their supervisor, - validating learning outcomes in compliance with the rules laid down in the course offered as part of DSSS, - validating learning outcomes in compliance with the rules laid down in the course offered by other doctoral school of the Jagiellonian University, - validating learning outcomes as part of student's individual work specified by lecturer, - preparing a formally correct application form in order to raise funds for research, e.g. application for Preludium as part of NCN grants, - positive evaluation of the project submitted as part of NCN competition together with granting funds, - obtaining a favourable opinion of ethics committee adequate for the opinionated project, - preparing a scientific article meeting the requirements of scientific texts validated by acceptance for print for 20-point journals or acceptance of a thesis for review in case of +40-point journals, - performing an expertise in political and public administration sciences commissioned by an external, - reviewing a scientific article in political and public administration sciences for a journal listed in JCR in the area of the prepared doctoral thesis, - participating in works of interdisciplinary research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities, - active participating in a scientific conference (preparing a speech, communication or poster), - participating in the works of scientific committee of an international conference related to political sciences and public administration, - validating learning outcomes in compliance with the rules laid down in courses for PhD students and teaching staff

	<p>offered by Ars Docendi, e.g. as part of the Power Ars Docendi project,</p> <ul style="list-style-type: none">- running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), supervision in the form of tutoring with respect to issues adequate for the learning outcomes,- validating learning outcomes in compliance with the rules laid down in other forms, organized outside DS, e.g. summer or winter schools, workshops, educational and popularizing undertakings, by preparing an implementation project for research findings and other social activities popularizing scientific research results and other agreed in Individual Research Plan,- examination in a foreign language on a level specified in doctoral program carried out by a Jagiellonian Language Centre (JCJ) examiner,- language certificates obtained outside the Jagiellonian University accepted by JCJ,- supervision over a scientific circle, its section or other body associating students,- establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research,- participating in advisory and/or expert bodies competencies of which are related to science on national, local government or corporate levels,- participating in statutory bodies of the university and/or scientific societies,- other forms of verification not listed in points 2.1-2.23., recommended by supervisor or supervisors and approved by the Head of DP.
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Listing of activities

Module 1 Specialised training – political and public administration sciences

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory /Optional</i>	<i>Learning outcomes</i>
Doctoral seminar (consultations with supervisor)	30 h	2 ECTS per year/ 8 ECTS throughout the entire school	I-IV	I-VIII	seminar	obligatory	W1, W2, W3 U1, U2, K1, K2
Political Problems in the Contemporary World	30 h	2 ECTS	I-IV	I-VIII	discussion session	optional	W1, U1, K2
International Order	30 h	2 ECTS	I-IV	I-VIII	discussion session	optional	W1, W2, W3, U 1, U2, U3, U4, K1, K2
Modern world conflicts	30 h	2 ECTS	I-IV	I-VIII	discussion session	optional	W1, W2, W5, U1, U3, U5, U7, K2
Geopoliticisation	30 h	2 ETCS	I-IV	I-VIII	discussion session	optional	W1, W2, W3, W5, U1, U2, U3, U7, K1, K2
The State, Power, Democracy: Theory and Practice	30 h	2 ETCS	I-IV	I-VIII	discussion session	optional	W1, W2, W3, W4, U1, U2, U3, U7, K1, K2
Comparative politics	30 h	2 ETCS	I-IV	I-VIII	discussion session	optional	W1, W2, W3, W4, U1, U2, U3, U7, K1, K2
Analysis of media and public discourse	30 h	2 ETCS	I-IV	I-VIII	discussion session	optional	W1, U1, U2, U3, K1

Module 2

Methodological training - methodology of social studies

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/ Optional</i>	<i>Learning outcomes</i>
Methodology of social studies	30 h	2 ECTS	I-IV	I-VIII	workshop	optional	W2, W4, U2, U3, U4, K2, K3
Scientific research methods	30 h	2 ECTS	I-IV	I-VIII	workshop	optional	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of quantitative data. As part of the	10-30 h	1-2 ECTS	I-IV	I-VIII	workshop	optional	W2, W4, U2, U3, U4, K2, K3

subject DS may offer / PhD student may choose different courses/types of activities 10, 15 or 30 hours							
Specialist courses in analysis of qualitative data. As part of the subject DS may offer / PhD student may choose different courses/types of activities 10, 15 or 30 hours.	10-30 h	1-2 ECTS	I-IV	I-VIII	workshop	optional	W2, W4, U2, U3, U4, K2, K3
Methodology of political studies	30 h	2 ECTS	I-IV	I-VIII	course/ workshop	optional	W2, W4, U2, U3, U4, K2, K3

Module 3
Academic competences – conditions for developing scientific career

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/ Optional</i>	<i>Learning outcomes</i>
Raising funds for research and managing research projects	20 h	2 ECTS	I-IV	I-VIII	workshop	optional	W5, W6, U4, U7, U10, K3, K4
Intellectual property protection and ethics in conducting scientific research	15 h	1 ECTS	I-IV	I-VIII	discussion session	optional	W5, W6, U4, U7, U10, K3, K4
Dissemination and popularization of research findings	15 h	2 ECTS	I-IV	I-VIII	workshop	optional	W6, K3, K4
Workshops developing scientific cooperation skills Scientific career management and self-development planning	15 h	2 ECTS	I-IV	I-VIII	workshop	optional	W5, W6, W7, U4, U5, U7, U10, K3, K4
Scientific career management	30 h	3 ECTS	I-IV	I-VIII	discussion session	optional	W5, W6, U4, U7, U10, K3, K4

Social sciences for economy and business	15 h	1 ECTS	I-IV	I-VIII	discussion session	optional	W5, W6, U4, U5, U7, U10, K3, K4
Academic writing – editing scientific texts	15-30 h	1-2 ECTS	I-IV	I-VIII	workshop	optional	W7, U5, K5
Impression management and public speaking	15-30 h	1-2 ECTS	I-IV	I-VIII	workshop	optional	W5, W6, U4, K3, K4
Modern foreign language course	60 h	4 ECTS	I-IV	I-VIII	language course	obligatory	W5, W6, U4, U7, U10, K3, K4
Training in Occupational Safety and Health	4 h	0 ECTS	I	I	training	obligatory	U9

Module 4
Professional competence and soft skills – preparation for teaching

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/Optional</i>	<i>Learning outcomes</i>
Fundamentals of academic teaching	30 h	3 ECTS	I	I	discussion session	obligatory	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations	15 h per year	1 ECTS per year 4 ECTS throughout the entire school	I-IV	I-VIII	practice	obligatory	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4
Academic tutoring	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4
Designing classes	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4

Interpersonal communication	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4
Modern methods and techniques for running classes	15 h	1 ECTS	I-IV	I-VIII	workshop	optional	W5, W7, U7, U10, U11, K2, K4

Annexe no. 5 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

<p>DOCTORAL PROGRAM in the domain of MANAGEMENT AND QUALITY SCIENCES <i>applicable from academic year 2019/2020</i></p>	
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: management and quality sciences
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: 10) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 11) 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; 12) submitting doctoral thesis in social sciences in the discipline of management and quality sciences.

Terms and conditions for granting ECTS points	1 ECTS = 30 h
Listing of modules (obligatory and optional) with ECTS points assigned	<p style="text-align: center;">MODULE 1 – SPECIALIZED TRAINING – Selected areas of scientific achievements in management and quality sciences</p> <p>As part of a module a PhD student is obliged to obtain at least 20 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Seminar with supervisor related to preparing doctoral thesis – 10 h, 2 ECTS per year = 8 ECTS throughout the entire school; 2) Advanced management I – 60 h, discussion session, 6 ECTS; 3) Advanced management II – 60 h, discussion session, 6 ECTS. <p style="text-align: center;">MODULE 2 – METHODOLOGICAL TRAINING – Methodology of social studies</p> <p>As part of a module a PhD student is obliged to obtain at least 4 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Research methodology in social sciences – 30 h, lecture, 2 ECTS. <p>Optional:</p> <ol style="list-style-type: none"> 1) Qualitative research (including e.g. organizational ethnography, case study) and data analysis methods – 60h, workshop, 4 ECTS; 2) Quantitative research and data analysis methods – 60 h, workshop, 4 ECTS. <p>Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.</p> <p style="text-align: center;">MODULE 3 – ACADEMIC COMPETENCE – Conditions for developing scientific career</p> <p>As part of a module a PhD student is obliged to obtain at least 10 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Legal and ethical aspects of research activity – 30 h, lecture, 2 ECTS; 2) Course in modern foreign language on level C1, 4 ECTS;

3) Health and Safety of Education course, 4 h, 0 ECTS.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 1) Scientific career management (including communication in science and business, time management) – 30 h, discussion session, 3 ECTS;
- 2) Financing scientific research and research project management – 60 h, discussion session, 4 ECTS;
- 3) Scientific writing and paper development workshops – 20 h each year (in total 80 h), workshop, 2 ECST per year = 8 ECTS throughout the entire school;
- 4) Participation in summer school – 20 h, practice, 1 ECTS.

MODULE 4 – PROFESSIONAL COMPETENCE AND SOFT SKILLS – Preparation for teaching

As part of a module a PhD student is obliged to obtain at least 8 ECTS.

Obligatory:

- 1) Fundamentals of academic teaching – 30 h, discussion session, 3 ECTS;
- 2) Teaching practice specified by Practice Regulations – 15 h per year, 60 h during the whole school, 1 ECTS per year = 4 ECTS throughout the entire school.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 1) Modern methods and techniques for running classes – 15 h, workshop, 1 ECTS;
- 2) Voice emission with elements of rhetoric – 15 h, workshop, 1 ECTS;
- 3) Academic tutoring – 15 h, workshop, 1 ECTS;
- 4) Designing classes – 15 h, workshop, 1 ECTS.

Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.

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 outside classes)

Achieving projected education outcomes may be confirmed 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.

At DSSS the following forms of verification of learning outcomes are acceptable:

- validating learning outcomes as part of doctoral seminar,
- validating learning outcomes as part of student's individual work specified by their supervisor,
- validating learning outcomes in compliance with the rules laid down in the course offered as part of DSSS,
- validating learning outcomes in compliance with the rules laid down in the course offered by other doctoral school of the Jagiellonian University,
- validating learning outcomes as part of student's individual work specified by lecturer,
- preparing a formally correct application form in order to raise funds for research, e.g. application for Preludium as part of NCN grants,
- positive evaluation of the project submitted as part of NCN competition together with granting funds,
- obtaining a favourable opinion of ethics committee adequate for the opinionated project,
- preparing a scientific article meeting the requirements of scientific texts validated by acceptance for print for 20-point journals or acceptance of a thesis for review in case of +40-point journals,
- performing an expertise applying knowledge in management and quality sciences commissioned by an external body,
- reviewing a scientific article in management and quality sciences for a journal listed in JCR in the area of the prepared doctoral thesis
- participating in works of a research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities,
- active participating in a scientific conference (preparing a speech, communication or poster),
- participating in the works of scientific committee of an international conference on management and quality sciences,
- validating learning outcomes in compliance with the rules laid down in courses for PhD students and teaching staff offered by Ars Docendi, e.g. as part of the Power Ars Docendi project,

	<ul style="list-style-type: none">- running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), supervision in the form of tutoring with respect to issues adequate for the learning outcomes,- validating learning outcomes in compliance with the rules laid down in other forms, organized outside DS, e.g. summer or winter schools, workshops, educational and popularizing undertakings, by preparing an implementation project for research findings and other social activities popularizing scientific research results and other agreed in Individual Research Plan,- passing examination in a foreign language on a doctoral level carried out by a Jagiellonian Language Centre (JCJ) examiner,- language certificates obtained outside the Jagiellonian University accepted by JCJ,- supervision over a scientific circle, its section or other body associating students,- establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research,- participating in advisory and/or expert bodies competencies of which are related to science on national, local government or corporate levels,- participating in statutory bodies of the university and/or scientific societies,- other forms of verification not listed in points 2.1-2.23., recommended by supervisor or supervisors and approved by the Head of DP.
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Listing of activities

Module 1							
Specialized training - selected areas of scientific achievements in management and quality sciences							
<i>Course/activity</i>	<i>Obligatory /optional</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Doctoral seminar (consultations with supervisor)	obligatory	30 h each year (in total 120 h)	2x4 = 8	I-IV	I-VIII	seminar	W1, U1, U2, K1, K2
Advanced management I	obligatory	60 h	6	I	I-II	discussion session	W1, W2, W3
Advanced management II	obligatory	60 h	6	II	III-IV	discussion session	W1, W2, W3
Module 2							
Methodological training - methodology of social studies							
<i>Course/activity</i>	<i>Obligatory /optional</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Research methodology in social sciences	obligatory	30 h	2 ECTS	I	I	lecture	W4
Qualitative research (including e.g. organizational ethnography, case study) and data analysis methods	optional	60 h	4 ECTS	II-III	III-V	workshop	W4, U3, K2
Quantitative research and data analysis methods	optional	60 h	4 ECTS	II-III	IV-VI	workshop	W4, U3, K2

Module 3
Academic competence – conditions for developing scientific career

<i>Course/ activity</i>	<i>Obligatory /optional</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Legal and ethical aspects of research activity	obligatory	30 h	2 ECTS	I	I	lecture	W5, W6,
Scientific career management (including communication in science and business, time management)	optional	30 h	3 ECTS	I	I-II	discussion session	W7, K5
Financing scientific research and managing research projects	optional	60 h	4 ECTS	I	I-II	discussion session	W7, U4, U10, K5
Scientific writing and paper development workshops	optional	20 h each year (in total 80 h)	2x4 = 8 ECTS	I-IV	I-VIII	workshop	W5, U4, U6, K3
Participation in summer school	optional	20 h	1 ECTS	I-IV	I-VIII	practice	U5, U10,
Modern foreign language course	obligatory	60 h	4 ECTS	III	V-VI	language course	U9
Training in Occupational Safety and Health	obligatory	4 h	0 ECTS	I	I	training	

Module 4
Professional competence and soft skills including preparation for teaching

<i>Course/activity</i>	<i>Obligatory /optional</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Fundamentals of academic teaching	obligatory	30 h	3 ECTS	I	I	discussion session	W5, W7
Modern information and communication technologies in academic teaching	optional	15 h	1 ECTS	I-III	I-VI	workshop	U11
Voice emission with elements of rhetoric	optional	15 h	1 ECTS	I-III	I-VI	workshop	U 7
Fundamentals of academic tutoring	optional	15 h	1 ECTS	I-III	I-VI	workshop	U10, K4
Designing classes	optional	15 h	1 ECTS	I-III	I-VI	workshop	U11, K2, K4
Teaching practice	obligatory	15x4 = 60 h	4 ECTS	I-IV	I-VIII	practice	U11, U10

Annexe no. 6 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM in the domain of LEGAL SCIENCES <i>applicable from academic year 2019/2020</i>	
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: legal sciences
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: 13) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 14) 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. PhD student is required to obtain at least 25 points before proceeding to interim evaluation; 15) submitting doctoral thesis.
Terms and conditions for granting ECTS points	1 ECTS = 30 h

Listing of modules (obligatory and optional) with ECTS points assigned

MODULE 1. SPECIALIST TRAINING - selected areas of scientific achievements (legal sciences)

As part of a module a PhD student is obliged to obtain at least 19 ECTS.

Obligatory:

- 1) Doctoral seminar (individual consultations with supervisor), 60 h, seminar, 8 ECTS;
- 2) Project seminar related to the research subject project, 60 h, seminar, 4 ECTS;
- 3) Current seminar *Law of the Future*, 90 h, seminar/discussion session, 6 ECTS;
- 4) Visiting lecture, 15 h, lecture, 1 ECTS.

Optional:

- 1) Individual or team social or educational project, number of hours agreed individually, others, min. 2 – max. 6 ECTS.

MODULE 2. METHODOLOGICAL TRAINING - methodology of social studies

As part of a module a PhD student is obliged to obtain at least 2 ECTS.

Obligatory:

- 1) Methodology of legal sciences, 15 h, lecture, 1 ECTS;
- 2) Writing and editing scientific texts in the domain of legal sciences, 15 h, workshop, 1 ECTS.

Optional:

- 1) Methodology of social studies, 30 h, course/workshop, 2 ECTS;
- 2) Scientific research methods, 30 h, course/workshop, 2 ECTS;
- 3) Specialist courses in analysis of quantitative data. DSSS may offer / PhD student may choose 10-, 15- or 30-hour course/workshop, 1-2 ECTS depending on the course;
- 4) Specialist courses in analysis of qualitative data. DSSS may offer / PhD student may choose 10-, 15- or 30-hour course/workshop, 1-2 ECTS depending on the course.

MODULE 3. ACADEMIC COMPETENCE - conditions for developing scientific career

As part of a module a PhD student is obliged to obtain at least 4 ECTS.

Obligatory:

- 1) Modern language course or course in Legal English, discussion session, 4 ECTS;
- 2) Health and Safety of Education course, 4 h, course, 0 ECTS.

Optional:

- 1) Raising funds for research and managing research projects, 20 h, workshop, 2 ECTS;
- 2) Intellectual property protection and ethics in conducting scientific research, 15 h, workshop, 2 ECTS;
- 3) Dissemination and popularization of research findings, 15 h, workshop, 2 ECTS
- 4) Workshops developing scientific cooperation skills and self-development planning, 15 h, workshop, 2 ECTS;
- 5) Scientific career management (including communication in science and business, time management), 30 h, discussion session, 3 ECTS;
- 6) Work in research teams and fundamentals of project organization, 15 h, workshop, 2 ECTS;
- 7) Social sciences for economy and business, 15 h, discussion session, 1 ECTS;
- 8) Academic writing – editing scientific texts, 30 h, workshop, 2 ECTS;
- 9) Publishing research papers, 15 h, workshop, 1 ECTS;
- 10) Impression management and public speaking, 30 h, workshop, 2 ECTS.

MODULE 4 – PROFESSIONAL COMPETENCE AND SOFT SKILLS INCLUDING PREPARATION FOR TEACHING

As part of a module a PhD student is obliged to obtain at least 7 ECTS.

Obligatory:

- 1) Fundamentals of academic teaching, 30 h, discussion session, 3 ECTS;
- 2) Practical methods of teaching law, 15 h, workshop, 1 ECTS;
- 3) Teaching practice specified by Practice Regulations, min. 30 h – max. 120 h, min. 3 ECTS – max. 12 ECTS.

Optional:

	<ol style="list-style-type: none"> 1) Modern information and communication technologies in academic teaching, 30 h, workshop, 2 ECTS; 2) Voice emission with elements of rhetoric, 15 h, workshop, 1 ECTS; 3) Academic tutoring, 15 h, workshop, 1 ECTS; 4) Designing classes, 15 h, workshop, 1 ECTS; 5) Interpersonal communication, 15 h, workshop, 1 ECTS.
<p>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 outside classes).</p>	<p>PhD student can have the projected learning outcomes confirmed as part of courses offered by the Doctoral School in the Social Sciences in various models, as well as a result of own activity carried out outside classes. In the latter case the outcomes are confirmed by the Head of DP on the basis of opinion of opinion of Doctoral Committee.</p>

LISTING OF ACTIVITY MODULES

Module 1

Specialist training - selected areas of scientific achievements (legal sciences)

<i>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>
Doctoral seminar (individual consultations with supervisor) – obligatory	15 h each year (in total 60 h)	2x4 = 8 ECTS	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Project seminar related to the research subject project – obligatory	30 h each year (in total 60 h)	2x2 = 4 ECTS	I-II	I-IV	seminar	W1, W2, W3, W6, U1, U2, U6, K1
Current seminar <i>Law of the Future</i> – obligatory	30 h each year (in total 90 h)	2x3 = 6 ECTS	I-III	I-VI	seminar/ discussion session	W1, W2, W5, U7, U9, K1
Visiting lectures – obligatory	15 h in the entire program	1 ECTS	I-IV	I-VIII	lecture	W1, W2, U5, K5
Individual or team social or educational project – optional	individual agreement	min. 2 – max. 6 ECTS	I-III	I-VI	other	W7, U4, U6, U10, K2, K3

Module 2

Methodological training - methodology of social studies

<i>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>
Methodology of legal sciences – obligatory	15 h	1 ECTS	I	I-II	lecture	W3, W4, U2

Writing and editing scientific texts in the domain of legal sciences – obligatory	15 h	1 ECTS	II-III	III-VI	workshop	W3, U2, U11
Methodology of social studies – optional	30 h	2 ECTS	I-IV	I-VIII	course/workshop	W2, W4, U2, U3, U4, K2, K3
Scientific research methods – optional	30 h	2 ECTS	I-IV	I-VIII	course/workshop	W2, W3, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of quantitative data – optional	10-30 h	1-2 ECTS	I-IV	I-VIII	course/workshop	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of qualitative data – optional	10-30 h	1–2 ECTS	I-IV	I-VIII	course/workshop	W2, W4, U2, U3, U4, K2, K3

Module 3

Academic competencies-conditions for developing scientific career

<i>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>
Raising funds for research and managing research projects – optional	20 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U5, K5
Intellectual property protection and ethics in conducting scientific research – optional	15 h	1 ECTS	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings – optional	15 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4
Workshops developing scientific cooperation skills and self-development planning – optional	15 h	2 ECTS	I-IV	I-VIII	workshop	W6, U9, K3

Scientific career management (including communication in science and business, time management) – optional	30 h	3 ECTS	I-IV	I-VIII	discussion session	W7, U4, U5
Work in research teams and fundamentals of project organization – optional	15 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U4, U9, U10, K5
Social sciences for economy and business – optional	15 h	1 ECTS	I-IV	I-VIII	discussion session	W7, U4, K3
Academic writing – editing scientific texts – optional	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U8, U9
Publishing research papers – optional	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, U6, U7, U8
Impression management and public speaking – optional	30 h	2 ECTS	I-IV	I - VIII	workshop	W5, U5, U8, W5, U6, U7, U8, K4
Modern foreign language course or course in Legal English – obligatory	60 h	4 ECTS	I-IV	I-VIII	discussion session	U8
Training in Occupational Safety and Health – obligatory	4 h	0 ECTS				

Module 4

Professional competence and soft skills including preparation for teaching

<i>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>
Fundamentals of academic teaching – obligatory	30 h	3 ECTS	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4

Practical methods of teaching law – obligatory	15 h	1 ECTS	I-II	I-IV	workshop	W4, U6, U11,
Modern information and communication technologies in academic teaching – optional	30 h	2 ECTS	I-IV	I-VIII	course	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations – obligatory	min. 30 h – max. 120 h throughout the entire studies	min. 3 – max. 12 ECTS	II-III	III-VI	practice	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric – optional	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Academic tutoring – optional	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Designing classes – optional	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication – optional	15 h	1 ECTS	I-IV	I-VIII	workshop	U7, U10, U11

Annexe no. 7 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM
in the domain of SOCIOLOGICAL SCIENCES
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: sociological sciences
Length of instruction at DSSS	4 years, 8 semesters or 3 years, 6 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 of sociological science the following are required: 16) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 17) 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; 18) submitting doctoral thesis in the discipline of sociological sciences in the domain of social science.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours PhD student's work

Listing of modules (obligatory and optional) with ECTS points assigned

MODULE 1 – SPECIALIST TRAINING - selected areas of scientific achievements

As part of a module a PhD student is obliged to obtain at least 12 ECTS.

Obligatory:

- 1) Doctoral seminar – consultations related to preparing doctoral thesis (2 ECTS/1 year).

Optional:

As part of a module DS may offer courses and other forms of activities to choose in the following subject areas:

- 1) Modern sociological concepts and theories (1-3 ECTS);
 - 2) Sociological interpretations of social reality (1-3 ECTS);
 - 3) Practical application of sociological concepts and theories (1-3 ECTS).
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MODULE 2 – METHODOLOGICAL TRAINING - methodology of sociological sciences

As part of a module a PhD student is obliged to obtain at least 10 ECTS.

Optional:

As part of a module DS may offer courses and other forms of activities to choose in the following subject areas:

- 1) Methodology of social studies (2 ECTS);
 - 2) Workshop in methodology of scientific research (2 ECTS);
 - 3) Specialist courses in analysis of qualitative data (1-3 ECTS);
 - 4) Specialist courses in analysis of quantitative data (1-3 ECTS).
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MODULE 3 – ACADEMIC COMPETENCE - conditions for developing scientific career

As part of a module a PhD student is obliged to obtain at least 10 ECTS.

Obligatory:

- 1) Course in modern foreign language on level C1(2-4 ECTS);
- 2) Training in Occupational Safety and Health.

Optional:

As part of a module DS may offer the following courses to choose:

- 1) Raising funds for research and managing research projects (2-6 ECTS);

	<ol style="list-style-type: none"> 2) Intellectual property protection and ethics in conducting scientific research (1 ECTS); 3) Dissemination and popularization of research findings (1-5 ECTS); 4) Workshops developing scientific cooperation skills Scientific career management and self-development planning (2 ECTS); 5) Scientific career management (1-2 ECTS); 6) Social sciences for economy and business (1 ECTS); 7) Academic writing (2-5 ECTS); 8) Impression management and public speaking (1-2 ECTS). <hr style="border-top: 1px dashed black;"/> <p>MODULE 4 – PROFESSIONAL COMPETENCE AND SOFT SKILLS – Preparation for teaching</p> <p>As part of a module a PhD student is obliged to obtain at least 8 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Fundamentals of academic teaching (3 ECTS); 2) Teaching practice specified by Practice Regulations (4 ECTS). <p>Optional:</p> <p>As part of a module DS may offer the following courses to choose:</p> <ol style="list-style-type: none"> 1) Modern information and communication technologies in academic teaching (1 ECTS); 2) Interpersonal communication (1 ECTS); 3) Voice emission with elements of rhetoric (1 ECTS); 4) Academic tutoring (1 ECTS); 5) Designing classes (1 ECTS); 6) Modern methods and techniques for running classes (1 ECTS).
<p>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 outside classes).</p>	<p>Achieving projected education outcomes may be confirmed as part of classes offered by the Doctoral School in the Social Sciences include 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.</p>

Listing of activities

Module 1

Specialist training - selected areas of scientific achievements in pedagogy

<i>Subject areas/Courses/Activities</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Optional /Obligatory</i>	<i>Learning outcomes</i>
Doctoral seminar (consultations with supervisor / Doctoral Committee)	30 h / 1 year	2 ECTS / 1 year	I-IV	I-VIII	seminar	Obligatory	W1, W2, W3, U1, U2, K1, K2
Modern sociological concepts and theories (as part of this subject area various forms of classes/activities can be offered within and outside DSSS: 10-, 15- or 30- hours)	10-30 h	1-3 ECTS	I-II	I-IV	lecture/discussion session	Optional	W1, W2, W3, U1, U2, K1, K2
Sociological interpretations of social reality (as part of this subject area various forms of classes/activities can be offered within and outside DSSS: 10-, 15- or 30- hours)	10-30 h	1-3 ECTS	I-II	I-IV	discussion session	Optional	W1, W2, W3, U1, U2, K1, K2
Practical application of sociological concepts and theories (as part of this subject area various forms of classes/activities can be offered within and outside DSSS: 10-, 15- or 30- hours)	10-30 h	1-3 ECTS	I-III	I-VI	discussion session/ classes/practice	Optional	W1, W2, W3, U1, U2, K1, K2, K3

Module 2

Methodological training - methodology of social studies

<i>Subject areas/Courses/Activities</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Optional/Obligatory</i>	<i>Learning outcomes</i>
Methodology of social studies	30 h	2 ECTS	I-II	I-IV	discussion session/ workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Workshop in methodology of scientific research	30 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of quantitative data (as part of this subject area various forms of classes/activities can be offered within and outside DSSS: 10-, 15- or 30-hours)	10-30 h	1-3 ECTS	I-IV	I-VIII	discussion session/ workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of qualitative data (as part of this subject area various forms of classes/activities can be offered within and outside DSSS: 10-, 15- or 30-hours)	10-30 h	1-3 ECTS	I-IV	I-VIII	discussion session/ workshop	Optional	W2, W4, U2, U3, U4, K2, K3

Module 3
Academic competence – conditions for scientific career

<i>Subject areas/Courses/Activities</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Optional/Obligatory</i>	<i>Learning outcomes</i>
Raising funds for research and managing research projects	20 h	2-6 ECTS	I-II	I-IV	workshop	Optional	W5, W6, U4, U7, U10, K3, K4

Intellectual property protection and ethics in conducting scientific research	15 h	1 ECTS	I-II	I-IV	discussion session	Optional	W6, K3, K4
Dissemination and popularization of research findings	15-30 h	1-5 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, W7, U4, U5, U7, U10 K3, K4
Workshops developing scientific cooperation skills Scientific career management and self-development planning	15 h	2 ECTS	I-IV	I-VIII	workshop/practice	Optional	W5, W6, U4, U7, U10, K3, K4
Scientific career management	15-30 h	1-2 ECTS	I-IV	I-VIII	discussion session	Optional	W5, W6, U4, U5, U7, U10, K3, K4
Social sciences for economy and business	15 h	1 ECTS	I-IV	I-VIII	discussion session/study visit	Optional	W7, U5, K5
Academic writing – editing scientific texts	30 h	2-5 ECTS	I-IV	I-VIII	workshop		W5, W6, U4, K3, K4
Impression management and public speaking	15-30 h	1-2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, U4, U7, U10, K3, K4
Modern foreign language course	30-60 h	2-4 ECTS	I-III	I-VI	discussion session	Optional	U9
Training in Occupational Safety and Health	4 h	0 ECTS	I	I	training/e-learning	Obligatory	

Module 4

Professional competence and soft skills – preparation for teaching

<i>Subject areas/Courses/Activities</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Optional/Obligatory</i>	<i>Learning outcomes</i>
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Fundamentals of academic teaching	30 h	3 ECTS	I-II	I-IV	discussion session	Obligatory	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations	15 h/ year	1 ECTS per year 4 ECTS throughout the entire school	I-IV	I-VIII	practice		W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	15 h	1 ECTS	I-IV	I-VIII	discussion session/classes	Optional	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Academic tutoring	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Designing classes	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Modern methods and techniques for running classes	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4

Annexe no. 8 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM in the domain of PEDAGOGY <i>applicable from academic year 2019/2020</i>	
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: pedagogy
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: 19) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 20) 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; 21) submitting doctoral thesis in social sciences in the discipline of pedagogy.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours PhD student's work
Listing of modules (obligatory and optional) with ECTS points assigned	MODULE 1 – SPECIALIST TRAINING - selected areas of scientific achievements in pedagogy

As part of a module a PhD student is obliged to obtain at least 12 ECTS.

Obligatory:

- 1) Consultations with supervisor related to preparing doctoral thesis – doctoral seminar, 30 h, 2 ECTS per year = 8 ECTS throughout the entire school.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 2) Pedagogy: pedagogical interpretation of social reality – 30 h, discussion session, 2 ECTS;
- 3) Contemporary discourses in general pedagogy – 30h, discussion session, 2 ECTS;
- 4) Subject seminar related to selected problems of theories and research in pedagogy – 30 h, discussion session, 2 ECTS.

Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.

MODULE 2 – METHODOLOGICAL TRAINING – Methodology of social studies

As part of a module a PhD student is obliged to obtain at least 10 ECTS.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 1) Methodology of social studies – 30 h, workshop, 2 ECTS;
- 2) Workshop in methodology of scientific research – 30 h, workshop, 2 ECTS;
- 3) Specialist courses in analysis of qualitative data – (as part of the subject DS may offer/PhD student may choose courses 10-, 150 or 30-hour long) 1-2 ECTS depending on the course;
- 4) Specialist courses in analysis of quantitative data (as part of the subject DS may offer/PhD student may choose courses 10-, 150 or 30-hour long) – 1-2 ECTS depending on the course;
- 5) Methodology of educational research – 30 h, workshop, 2 ECTS.

Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.

MODULE 3 – ACADEMIC COMPETENCE - conditions for developing scientific career

As part of a module a PhD student is obliged to obtain at least 10 ECTS.

Obligatory:

- 1) Course in modern foreign language on level C1, 4 ECTS;
- 2) training in Occupational Safety and Health, 4 h, 0 ECTS.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 1) Raising funds for research and managing research projects – 20 h, workshop, 2 ECTS;
- 2) Intellectual property protection and ethics in conducting scientific research – 15 h, discussion session, 1 ECTS;
- 3) Dissemination and popularization of research findings – 15 h, workshop, 2 ECTS;
- 4) Workshops developing scientific cooperation skills Scientific career management and self-development planning – 15h, workshop, 2 ECTS;
- 5) Scientific career management – 30 h, discussion session, 3 ECTS;
- 6) Social sciences for economy and business – 15 h, discussion session, 1 ECTS;
- 7) Academic writing – editing scientific texts – 15-30 h, workshop, 1-2 ECTS;
- 8) Impression management and public speaking – 15-30 h, workshop, 1-2 ECTS.

Attention:

- 1) courses may be conducted in Polish or English according to the course offer announced for a given year. ;
- 2) course *Social sciences for economy and business* enables to achieve learning outcomes W7, U5, K5 – indispensable for achieving outcomes described on Level 8 of the Polish Qualifications Framework.

MODULE 4 – PROFESSIONAL COMPETENCE AND SOFT SKILLS – Preparation for teaching

As part of a module a PhD student is obliged to obtain at least 8 ECTS.

Obligatory:

- 1) Fundamentals of academic teaching – 30 h, discussion session 3 ECTS;

	<p>2) Teaching practice specified by Practice Regulations – 15 h per year, 60 h throughout the entire school, 1 ECTS per year = 4 ECTS throughout the entire school.</p> <p>Optional: As part of the module DS may offer PhD student the following courses to choose:</p> <ol style="list-style-type: none"> 1) Modern information and communication technologies in academic teaching – 15 h, workshop, 1 ECTS; 2) Interpersonal communication – 15 h, workshop, 1 ECTS; 3) Voice emission with elements of rhetoric – 15 h, workshop, 1 ECTS; 4) Academic tutoring – 15 h, workshop, 1 ECTS; 5) Designing classes – 15 h, workshop, 1 ECTS; 6) Modern methods and techniques for running classes – 15 h, 1 ECTS. <p>Attention: Courses may be conducted in Polish or English according to the course offer announced for a given year.</p>
<p>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 outside classes)</p>	<p>Achieving projected education outcomes may be confirmed 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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.</p> <p>At DSSS the following forms of verification of learning outcomes are acceptable:</p> <ul style="list-style-type: none"> - validating learning outcomes as part of doctoral seminar, - validating learning outcomes as part of student's individual work specified by their supervisor, - validating learning outcomes in compliance with the rules laid down in the course offered as part of DSSS, - validating learning outcomes in compliance with the rules laid down in the course offered by other doctoral school of the Jagiellonian University, - validating learning outcomes as part of student's individual work specified by lecturer, - preparing a formally correct application form in order to raise funds for research, e.g. application for Preludium as part of NCN grants, - positive evaluation of the project submitted as part of NCN competition together with granting funds, - obtaining a favourable opinion of ethics committee adequate for the opinionated project, - preparing a scientific article meeting the requirements of scientific texts validated by acceptance for print for 20-point journals or acceptance of a thesis for review in case of +40-point journals,

- performing an expertise in pedagogy commissioned by an external body,
- reviewing a scientific article in pedagogy for a journal listed in JCR in the area of the prepared doctoral thesis,
- participating in works of interdisciplinary research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities,
- active participating in a scientific conference (preparing a speech, communication or poster),
- participating in the works of scientific committee of an international conference in pedagogy,
- validating learning outcomes in compliance with the rules laid down in courses for PhD students and teaching staff offered by Ars Docendi, e.g. as part of the Power Ars Docendi project,
- running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), supervision in the form of tutoring with respect to issues adequate for the learning outcomes,
- validating learning outcomes in compliance with the rules laid down in other forms, organized outside DS, e.g. summer or winter schools, workshops, educational and popularizing undertakings, by preparing an implementation project for research findings and other social activities popularizing scientific research results and other agreed in Individual Research Plan,
- passing examination in a foreign language on a level specified in Doctoral Program carried out by a Jagiellonian Language Centre (JCJ) examiner,
- language certificates obtained outside the Jagiellonian University accepted by JCJ,
- supervision over a scientific circle, its section or other body associating students,
- establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research,
- participating in advisory and/or expert bodies competencies of which are related to science on national, local government or corporate levels,
- participating in statutory bodies of the university and/or scientific societies,
- other forms of verification not listed in points 2.1-2.23., recommended by supervisor or supervisors and approved by the Head of DP.

Listing of activities

Module 1 Specialist training - selected areas of scientific achievements in pedagogy							
<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/Optional</i>	<i>Learning outcomes</i>
Doctoral seminar (consultations with supervisor)	30 h	2 ECTS per year/ 8 ECTS throughout the entire school	I-IV	I-VIII	seminar	Obligatory	W1, W2, W3, U1, U2, K1, K2
Pedagogy: pedagogical interpretation of social reality As part of the subject DS may offer/PhD student may choose courses /different forms of activity 10-, 15 or 30-hours.	10-30 h	1-2 ECTS No of points depending on the selected course	I-IV	I-VIII	discussion session	Optional	W1, W2, W3, U1, U2, K1, K2
Contemporary discourses in general pedagogy As part of the subject DS may offer/PhD student may choose courses /different forms of activity 10-, 15 or 30-hours.	10-30 h	1-2 ECTS No of points depending on the selected course	I-IV	I-VIII	discussion session	Optional	W1, W2, W3, U1, U2, K1, K2
Subject seminar related to selected problems of theories and research in pedagogy As part of the subject DS may offer/PhD student may choose courses /different forms of activity 10-, 15 or 30-hours.	10-30 h	1-2 ECTS No of points depending on the selected course	I-IV	I-VIII	discussion session	Optional	W1, W2, W3, U1, U2, K1, K2
Module 2 Methodological training - methodology of social studies							
<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/Optional</i>	<i>Learning outcomes</i>

Methodology of social studies	30 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Scientific research methods	30 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of quantitative data As part of the subject DS may offer/PhD student may choose courses /different forms of activity 10-, 15 or 30-hours.	10-30 h	1-2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of qualitative data As part of the subject DS may offer/PhD student may choose courses /different forms of activity 10-, 15 or 30-hours.	10-30 h	1-2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3
Methodology of educational research	30 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W2, W4, U2, U3, U4, K2, K3

Module 3
Academic competencies – conditions for scientific career

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/ Optional</i>	<i>Learning outcomes</i>
Raising funds for research and managing research projects	20 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, U4, U7, U10, K3, K4
Intellectual property protection and ethics in conducting scientific research	15 h	1 ECTS	I-IV	I-VIII	discussion session	Optional	W6, K3, K4
Dissemination and popularization of research findings	15 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, W7, U4, U5, U7, U10, K3, K4

Workshops developing scientific cooperation skills Scientific career management and self-development planning	15 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, U4, U7, U10, K3, K4
Scientific career management	30 h	3 ECTS	I-IV	I-VIII	discussion session	Optional	W5, W6, U4, U5, U7, U10, K3, K4
Social sciences for economy and business	15 h	1 ECTS	I-IV	I-VIII	discussion session	Optional	W7, U5, K5
Academic writing – editing scientific texts	15-30 h	1-2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, U4, K3, K4
Impression management and public speaking	15-30 h	2 ECTS	I-IV	I-VIII	workshop	Optional	W5, W6, U4, U7, U10, K3, K4
Modern foreign language course	60 h	4 ECTS	I-IV	I-VIII	language course	Obligatory	U9
Training in Occupational Safety and Health	4 h	0 ECTS	I	I	training	Obligatory	

Module 4
Professional competence and soft skills – preparation for teaching

<i>Course/activity</i>	<i>Number of hours</i>	<i>ECTS</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Obligatory/Optional</i>	<i>Learning outcomes</i>
Fundamentals of academic teaching	30 h	3 ECTS	I	I	discussion session	Obligatory	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations	15 h per year	1 ECTS per year	I-IV	I-VIII	practice	Obligatory	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4

Voice emission with elements of rhetoric	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Academic tutoring	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Designing classes	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4
Modern methods and techniques for running classes	15 h	1 ECTS	I-IV	I-VIII	workshop	Optional	W5, W7, U7, U10, U11, K2, K4

Annexe no. 9 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM in the domain of PSYCHOLOGY <i>applicable from academic year 2019/2020</i>	
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: psychology
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 discipline of psychology the following are required: 22) acknowledgement of achieving detailed learning outcomes provided for the Education Program (EP); 23) 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; 24) submitting doctoral thesis in social sciences in the discipline of psychology.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours PhD student's work

Listing of modules (obligatory and optional) with ECTS points assigned

Listing of modules (obligatory and optional) with ECTS points assigned:

Module 1: Specialist training - selected areas of scientific achievements

As part of the module a PhD student is obliged to obtain at least 12 ECTS.

Obligatory classes:

- 1) Doctoral seminar (consultations with supervisor): 120 h PhD student's work, 2 ECTS per year, in total 8 ECTS.

Optional classes:

- 1) Psychological mechanisms of social functioning – new research paradigms; 30 h, 2 ECTS;
- 2) Quality of life and well-being from perspective of psychological sciences; 30 h, 2 ECTS;
- 3) New trends in research in individual differences; 30 h, 2 ECTS;
- 4) New trends in brain research; 30 h, 2 ECTS.

Module 2. Methodological training - methodology of social studies

As part of the module a PhD student is obliged to obtain at least 10 ECTS.

Obligatory classes:

- 1) Methodology of social studies; 30 h, 2 ECTS.

Optional classes:

- 1) Methods of qualitative data analysis; 30 h, 2 ECTS;
- 2) Advanced methods of statistical analysis; 30 h, 3 ECTS;
- 3) Specialist methods of statistical analysis; 30 h, 3 ECTS.

Module 3. Academic competencies-conditions for developing scientific career

As part of the module a PhD student is obliged to obtain at least 10 ECTS.

Obligatory classes:

- 1) Modern foreign language course; 30 h, 2 ECTS;
- 2) Training in Occupational Safety and Health.; 0 h, 2 ECTS.

Optional classes:

	<ol style="list-style-type: none"> 1) Raising funds for research and managing research projects; 20 h, 2 ECTS; 2) Intellectual property protection and ethics in conducting scientific research 15 h, 1 ECTS; 3) Dissemination and popularization of research findings; 15 h, 2 ECTS; 4) Workshops developing scientific cooperation skills Scientific career management and self-development planning; 15 h, 2 ECTS; 5) Scientific career management; 30 h, 3 ECTS; 6) Social sciences for economy and business; 15 h, 1 ECTS; 7) Academic writing – editing scientific texts; 15-30 h, 1-2 ECTS; 8) Impression management and public speaking; 15-30 h, workshop, 1-2 ECTS. <p>Module 4. Professional competence and soft skills (academic teaching; preparation for teaching)</p> <p>As part of the module a PhD student is obliged to obtain at least 8 ECTS.</p> <p>Obligatory classes:</p> <ol style="list-style-type: none"> 1) Fundamentals of academic teaching; 30 h, discussion session, 3 ECTS; 2) Teaching practice specified by Practice Regulations; 15 h per year, 60 h during the entire school, 1 ECTS per year = 4 ECTS during the entire school. <p>Optional classes:</p> <ol style="list-style-type: none"> 3) Modern information and communication technologies in academic teaching; 15 h, 1 ECTS; 4) Interpersonal communication; 15 h, workshop, 1 ECTS; 5) Voice emission with elements of rhetoric; 15 h, workshop, 1 ECTS; 6) Academic tutoring; 15 h, workshop, 1 ECTS; 7) Designing classes; 15 h, workshop, 1 ECTS; 8) Modern methods and techniques for running classes; 15 h, 1 ECTS.
<p>Rules for verification of acquisition of competencies on Level 8 of the Polish Qualifications Framework as part of classes and outside them,</p>	<p>Achieving projected education outcomes may be confirmed as part of classes offered by the Doctoral School in the Social Sciences included in education modules, as well as on the</p>

including rules for passing modules realized at other universities/universities abroad and for certifying education outcomes realized outside classes).

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 Supervisors taking into account opinion of the members of Doctoral Committee should it be appointed.

At DSSS the following forms of verification of learning outcomes are acceptable:

- validating learning outcomes as part of doctoral seminar,
- validating learning outcomes as part of student's individual work specified by their supervisor,
- validating learning outcomes in compliance with the rules laid down in the course offered as part of DSSS,
- validating learning outcomes in compliance with the rules laid down in the course offered by other doctoral school of the Jagiellonian University,
- validating learning outcomes as part of student's individual work specified by lecturer,
- preparing a formally correct application form in order to raise funds for research, e.g. application for Preludium as part of NCN grants,
- positive evaluation of the project submitted as part of NCN competition together with granting funds,
- obtaining a favourable opinion of ethics committee adequate for the opinionated project,
- preparing a scientific article meeting the requirements of scientific texts validated by acceptance for print for 20-point journals or acceptance of a thesis for review in case of +40-point journals,
- performing an expertise in psychology commissioned by an external body,
- reviewing a scientific article in adequate discipline for a journal listed in JCR in the area of the prepared doctoral thesis,
- participating in works of research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities
- active participating in a scientific conference (preparing a speech, communication or poster),
- participating in the works of scientific committee of an international conference on psychology,
- validating learning outcomes in compliance with the rules laid down in courses for PhD students and teaching staff offered by Ars Docendi, e.g. as part of the Power Ars Docendi project,

- | | |
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| | <ul style="list-style-type: none">- running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), supervision in the form of tutoring with respect to issues adequate for the learning outcomes,- validating learning outcomes in compliance with the rules laid down in other forms, organized outside DS, e.g. summer or winter schools, workshops, educational and popularizing undertakings, by preparing an implementation project and other social activities popularizing scientific research results and other agreed in Individual Research Plan,- passing an examination in a foreign language on a level specified in Doctoral Program carried out by a Jagiellonian Language Centre (JCJ) examiner,- language certificates obtained outside the Jagiellonian University accepted by JCJ,- supervision over a scientific circle, its section or other body associating students,- establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research,- participating in advisory and/or expert bodies competencies of which are related to science on national, local government or corporate levels,- participating in statutory bodies of the university and/or scientific societies,- other forms of verification recommended by supervisor or supervisors and approved by the Head of DP. |
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Listing of activities

Module 1 Specialist training - selected areas of scientific achievements						
<i>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>
Doctoral seminar (consultations with supervisor) (obligatory)	30 h x 4 years	2 x 4 = 8 ECTS	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Psychological mechanisms of social functioning – new research paradigms (optional)	30 h	2 ECTS	I-IV to choose	I-VIII to choose	course	W1, W2, U1, U2, K1, K2
Quality of life and well-being from perspective of psychological sciences (optional)	30 h.	2 ECTS	I-IV to choose	I-VIII to choose	course	W1, W2, U1, U2, K1, K2
New trends in research in individual differences (optional)	30 h	2 ECTS	I-IV to choose	I-VIII to choose	course	W1, W2, U1, U2, K1, K2
New trends in brain research (optional)	30 h	2 ECTS	I-IV to choose	I-VIII to choose	course	W1, W2, U1, U2, K1, K2
Module 2 Methodological training - methodology of social studies						
<i>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>
Methodology of social studies (obligatory)	30 h	2 ECTS	I-IV to choose	I-VIII to choose	course/ workshop	W2, W4, U2, U3, U4, K2, K3
Methods of qualitative data analysis (optional)	30 h	2 ECTS	I-IV to choose	I-VIII to choose	course/ workshop	W2, W4, U2, U3, U4, K2, K3
Advanced methods of statistical analysis (optional)	30 h	3 ECTS	I-IV to choose	I-VIII to choose	course/ workshop	W2, W4, U2, U3, U4, K2, K3
Specialist methods of statistical analysis (optional)	30 h	3 ECTS	I-IV to choose	I-VIII to choose	course/ workshop	W2, W4, U2, U3, U4, K2, K3
Module 3 Academic competencies-conditions for developing scientific career						
<i>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>
Raising funds for research and managing research projects (optional)	20 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U5, K5

Intellectual property protection and ethics in conducting scientific research (optional)	15 h	1 ECTS	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings (optional)	15 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4,
Workshops developing scientific cooperation skills Scientific career management and self-development planning (optional)	15 h	2 ECTS	I-IV	I-VIII	workshop	W6, U9, K3
Scientific career management (including communication in science and business, time management) (optional)	30 h	3 ECTS	I-IV	I-VIII	discussion session	W7, U4, U5, U10
Work in research teams and fundamentals of project organization (optional)						W6, W7, U4, U9, U10, K5
Social sciences for economy and business (optional)	15 h	1 ECTS	I-IV	I-VIII	discussion session	W7, U4, K3
Academic writing – editing scientific texts (optional)	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U8, U9
Publishing research papers (optional)						
Impression management and public speaking (optional)	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U5, U8
Modern foreign language course (obligatory)		4 ECTS				
Training in Occupational Safety and Health (obligatory)	4 h					

Module 4

Professional competence and soft skills including preparation for teaching

<i>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>
Fundamentals of academic teaching (obligatory)	30 h	3 ECTS	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching (optional)	30 h	2 ECTS	I-IV	I-VIII	course	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations (obligatory)	10-60 h per year					W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4

Academic tutoring (optional)	15 h	1 ECTS	I-V	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Designing classes (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication (optional)	15 h	1 ECTS			workshop	U7, U10, U11

Annexe no. 10 to Ordinance no. 44 of the Rector of the Jagiellonian University of 27 July 2019

DOCTORAL PROGRAM Interdisciplinary Program "Society of the Future" <i>applicable from academic year 2019/2020</i>	
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 Disciplines: 1) economics and finance; i finance; 2) socio-economic geography and spatial planning; 3) social communication and media; 4) management and quality sciences; 5) psychology; 6) political and public administration sciences; 7) legal sciences; 8) sociology; 9) pedagogy.
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) within the Interdisciplinary Program the following are required: 25) acknowledgement of achieving detailed learning outcomes provided for the Education Program; 26) 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;

	PhD student is required to collect at least 25 ECTS before proceeding to interim evaluation; 27) submitting doctoral thesis.
Terms and conditions for granting ECTS points	1 ECTS = 30 h
Listing of modules (obligatory and optional) with ECTS points assigned	<p>MODULE 1. SPECIALIST TRAINING - selected areas of scientific achievements</p> <p>As part of the module a PhD student is obliged to obtain at least 20 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Individual consultations with supervisor – 60 h, seminar, 8 ECTS; 2) Interdisciplinary seminar – 60 h, seminar, 8 ECTS; 3) Interdisciplinarity in theory and practice – 30 h, lecture/workshop, 2 ECTS; 4) Interdisciplinary visiting lecture – 30 h, lecture, 2 ECTS. <p>Optional:</p> <ol style="list-style-type: none"> 1) Ethics in interdisciplinary research – 15 h, lecture/workshop, 1 ECTS. <hr/> <p>MODULE 2. METHODOLOGICAL TRAINING – Methodology of social studies</p> <p>As part of the module a PhD student is obliged to obtain at least 7 ECTS.</p> <p>Obligatory:</p> <ol style="list-style-type: none"> 1) Methodology of social studies – 30 h, workshop, 2 ECTS. <p>Optional:</p> <p>As part of the module DS may offer PhD student the following courses to choose:</p> <ol style="list-style-type: none"> 1) Scientific research methods – 30 h, workshop, 2 ECTS; 2) Specialist courses in analysis of qualitative data (as part of the subject DS may offer/PhD student may choose courses 10-, 15- or 30-hour long) – 1-2 ECTS depending on the course ; 3) Specialist courses in analysis of quantitative data as part of the subject DS may offer/PhD student may choose courses 10-, 15- or 30-hour long) – 1-2 ECTS depending on the course; 4) Interdisciplinary research project – 30 h, project, 3 ECTS; 5) Interdisciplinary social and educational project – 30 h, project, 3 ECTS.

MODULE 3. ACADEMIC COMPETENCIES – Conditions for developing scientific career

As part of the module a PhD student is obliged to obtain at least 8 ECTS.

Obligatory:

- 1) Course in a modern foreign language on level C1, 4 ECTS;
- 2) Training in Occupational Safety and Health, 4 h, 0 ECTS.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 1) Raising funds for research and managing research projects– 20 h, workshop, 2 ECTS;
- 2) Intellectual property protection and ethics in conducting scientific research – 15 h, discussion session, 1 ECTS;
- 3) Dissemination and popularization of research findings – 15 h, workshop, 2 ECTS;
- 4) Workshops developing scientific cooperation skills Scientific career management and self-development planning – 15 h, workshop, 2 ECTS;
- 5) Scientific career management – 30 h, discussion session, 3 ECTS;
- 6) Work in research teams and fundamentals of project organization – 15 h, workshop, 2 ECTS;
- 7) Social sciences for economy and business – 15 h, discussion session, 1 ECTS;
- 8) Academic writing – 15-30 h, workshop, 1-2 ECTS;
- 9) Publishing research papers – 15 h, workshop, 1 ECTS.

MODULE 4 – PROFESSIONAL COMPETENCIES AND SOFT SKILLS, INCLUDING PREPARATION FOR TEACHING

As part of the module a PhD student is obliged to obtain at least 5 ECTS.

Obligatory:

- 1) Teaching practice specified by Practice Regulations – 10 h per year, 40 h throughout the entire school, 1 ECTS per year = 4 ECTS throughout the entire school.

Optional:

As part of the module DS may offer PhD student the following courses to choose:

- 2) Fundamentals of academic teaching – 30 h, discussion session, 3 ECTS;

	<ul style="list-style-type: none"> 3) Modern information and communication technologies in academic teaching – 15 h, workshop, 1 ECTS; 4) Voice emission with elements of rhetoric – 15 h, workshop, 1 ECTS; 5) Academic tutoring – 15 h, workshop, 1 ECTS; 6) Modern methods and techniques for running classes – 15 h, workshop, 1 ECTS; 7) Interpersonal communication – 15 h, workshop, 1 ECTS; 8) Impression management and public speaking – 30 h, workshop, 2 ECTS; 9) Designing classes – 15 h, workshop, 1 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 outside classes)	PhD student may prove achieving the intended learning outcomes as part of classes offered by the Doctoral School in the Social Sciences included in education modules, as well as a result of own activity carried out outside classes. In the latter case the outcomes are confirmed by the Head of DP on the basis of opinion of the Doctoral Committee.

Listing of the modules

Module 1						
Specialist training - selected areas of scientific achievements						
<i>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>
Individual consultations with supervisor (obligatory)	15 h / year (in total 60 h)	2x4 = 8 ECTS	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Interdisciplinary seminar (obligatory)	15 h / year (in total 60 h)	2x4 = 8 ECTS	I-IV	I-VIII	seminar	W1, W2, W3, U1, U2, K1, K2
Ethics in interdisciplinary research (optional)	15 h	1 ECTS	I-II	I-IV	lecture (10 h) and workshop(5 h)	W3, U2, K2

Interdisciplinarity in theory and practice (obligatory)	30 h	2 ECTS	II-III	III-VI	lecture (15 h) and workshop(15 h)	W1, W2, U1, U2, K1, K2
Interdisciplinary visiting lecture (obligatory)	15 h / year (in total 30 h)	1x2 = 2 ECTS	II-III	III-VI	lecture	W1, W2, W3, U1, U2, K1, K2

Module 2
Methodological training - methodology of social studies

<i>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>
Methodology of social studies (obligatory)	30 h	2 ECTS	I-II	I-IV	course/workshops	W2, W4, U2, U3, U4, K2, K3
Scientific research methods (optional)	30 h	2 ECTS	I-III	I-VI	course/workshops	W2, W3, W4 U2, U3, U4, K2, K3
Specialist courses in analysis of quantitative data (optional)	10-30 h	1-2 ECTS	I-IV	I-VIII	course/workshops	W2, W4, U2, U3, U4, K2, K3
Specialist courses in analysis of qualitative data (optional)	10-30 h	1-2 ECTS	I-IV	I-VIII	course/workshops	W2, W4, U2, U3, U4, K2, K3
Interdisciplinary research project (optional)	30 h	3 ECTS	II-IV	III-VIII	project	W2, W4, U2, U3, U4, K2, K3
Interdisciplinary social and educational project (optional)	30 h	3 ECTS	III-IV	V-VIII	project	W2, W4, U2, U3, U4, K2, K3

Module 3
Academic competencies-conditions for developing scientific career

<i>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>
Raising funds for research and managing research projects (optional)	20 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U5, K5
Intellectual property protection and ethics in conducting scientific research (optional)	15 h	1 ECTS	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings (optional)	15 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4
Workshops developing scientific cooperation skills Scientific career management and self-development planning (optional)	15 h	2 ECTS	I-IV	I-VIII	workshop	W6, U9, K3
Scientific career management (including communication in science and business, time management) (optional)	30 h	3 ECTS	I-IV	I-VIII	discussion session	W7, U4, U5, U10
Work in research teams and fundamentals of project organization (optional)	15 h	2 ECTS	I-IV	I-VIII	workshop	W6, W7, U4, U9, U10, K5
Social sciences for economy and business (optional)	15 h	1 ECTS	I-IV	I-VIII	discussion session	W7, U4, K3
Academic writing – editing scientific texts (optional)	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U6, U8, U9
Publishing research papers (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4
Modern foreign language course (obligatory)	60 h	4 ECTS	I-IV	I-VIII	discussion session	
Training in Occupational Safety and Health (obligatory)	4 h					

Module 4

Professional competences and soft skills, including preparation for teaching

<i>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>
Fundamentals of academic teaching (optional)	30 h	3 ECTS	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching (optional)	30 h	2 ECTS	I-IV	I-VIII	course	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations (obligatory)	10 h year (in total 40 h)	4 ECTS	I-IV	I-VIII	practice	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Academic tutoring (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Designing classes (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	U7, U10, U11
Impression management and public speaking (optional)	30 h	2 ECTS	I-IV	I-VIII	workshop	W5, U5, U8
Modern methods and techniques for running classes (optional)	15 h	1 ECTS	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4

INTERNATIONAL DOCTORAL PROGRAM IN COGNITIVE NEUROSCIENCE
in the domain of psychology, philosophy, biological sciences, medical sciences and health sciences
applicable from academic year 2019/2020

Doctoral school	Doctoral School in the Social Sciences (DSSS) at the Jagiellonian University in Krakow
Domain of science and scientific discipline in which DSSS educates	<ol style="list-style-type: none"> 1) Domain of social sciences: psychology; 2) Domain of humanities: philosophy; 3) Domain of exact and natural sciences: biological sciences; 4) Domain of medical sciences and health sciences: medical sciences, health sciences.
Length of instruction at DSSS	4 years, 8 semesters
Specification of the language in which courses are held	English
Terms and conditions for realizing curriculum	<p>In order to complete the program in the chosen discipline the following are required:</p> <ol style="list-style-type: none"> 28) acknowledgement of achieving detailed learning outcomes intended for Individual Study Program; 29) 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; 30) submitting doctoral thesis.
Terms and conditions for granting ECTS points	1 ECTS = 30 hours PhD student's work as part of classes and outside out them

1. There are four following Program Modules as part of which PhD students complete courses:
 - a. Module 1: Specialist training - selected areas of scientific achievements,
 - b. Module 2: Methodological training – methodology of scientific research,
 - c. Module 3: Academic competencies,
 - d. Module 4: Professional competencies and soft skills.
2. Participation in doctoral seminar or individual consultations with supervisor as well as completing teaching practice are obligatory. All other courses in the doctoral program are optional.
3. PhD student may complete courses dedicated to the carried out doctoral program, doctoral school and others organized by the Jagiellonian University and other, in country and foreign, institutions.
4. ECTS points are granted for completing courses and for other forms of verification of achieving learning outcomes (further on LO) on Level 8 of Polish Qualifications Framework.
5. Form of credit, duration and number of ECTS points granted for completing a course at the Jagiellonian University are specified in course syllabus.
6. Number of ECTS points granted for completing a course or training outside the Jagiellonian University is agreed by the Head of the Program on the basis of PhD student's declaration concerning work involved, i.e. Number of contact hours, remote work and own work required for passing the course or training. Thirty didactic hours equal 1 ECTS point.
7. In case of acquiring competence not listed in Table 2, Head of the Program, in consultation with supervisor and Doctoral Committee, decides about the number of ECTS points.
8. A given activity (e.g. writing a scientific paper) may be a proof of acquiring several LO, however for this form of verification ECTS points can be granted only once. In case of completing this form of LO verification more than once (e.g. writing several scientific papers) ECTS points can be granted for each of the forms.

TABLE 1. Listing of course modules

<i>Course/block of courses</i>	<i>Number of hours</i>	<i>ECTS points</i>	<i>Year</i>	<i>Semester</i>	<i>Form of classes</i>	<i>Learning outcomes</i>
Module 1 Specialist training - selected areas of scientific achievements						
Doctoral seminar (consultations with supervisor)	40 h (10 h/year)	8 pts (2 pts/year)	I-IV	I-VIII	seminar or individual consultations	W1, W2, W3, U1, U2, K1, K2
Additional consultations related to preparing doctoral thesis	45 h (15 h/year)	1 pts (3 pts/year)	II-IV	III-VIII	individual consultations	W1, W2, W3, U1, U2, K1, K2
Block focused on biological foundations of cognitive processes	15-30 h/course	1-3 pts/course	I-III	I-VI	depending on the lecturer	W1, W2, U1, U3, U5, K1, K2
Block focused on specialist areas of research in cognitive neuroscience	15-30 h/course	1-3 pts/course	I-III	I-VI	depending on the lecturer	W1, W2, U1, U3, U5, K1, K2
Module 2 Methodological training – methodology of scientific research						
Methodology of social studies	30 h	min. 2 pts	I-III	I-V	discussion session/ workshop	W2, W4, U2, U3, U4, K2, K3
Scientific research methods	30 h	min. 2 pts	I-II	I-IV	discussion session/ workshop	W2, W3, W4, U2, U3, U4, K2, K3

Block focused on advanced methodology and data analysis in the area of cognitive neuroscience	15-30 h/course	min. 1 pts/course	I-III	I-VI	depending on the lecturer	W3, U1, U2, U3, U5, K1
Module 3 Academic competencies (scientific communication; conditions for scientific career)						
Raising funds for research and managing research projects	15-30 h	1-3 pts	I-III	I-VI	workshop/ discussion session	W6, W7, U5, K5
Intellectual property protection and ethics in conducting scientific research	15 h	1 pts	I-IV	I-VIII	discussion session	W6, K3
Dissemination and popularization of research findings	15-30 h	1-3 pts	I-IV	I-VIII	workshop	W5, U6, U7, U8, K4,
Scientific cooperation and research projects management	30-45 h	min. 2 pts	I-III	I-VI	depending on the lecturer	W6, U9, K3
Scientific career management and self-development planning	30-45 h	min. 2 pts	I-III	I-VI	depending on the lecturer	W7, U4, U5, U10
Academic writing – editing scientific texts	30-60 h	2-4 pts	I-III	I-VI	workshop/language course	W5, U6, U8, U9
Publishing research papers	10-30 h	1-3 pts	I-III	I-VI	depending on the lecturer	W5, U6, U8, U9
Impression management and public speaking	30 h	2 pts	I-III	I-VI	workshop	W5, U5, U8

Training in Occupational Safety and Health	-	-	-	-	-	-
Module 4 Professional competencies and soft skills (academic teaching; preparation for teaching)						
Academic tutoring	15 h	1 pts	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Voice emission with elements of rhetoric	15 h	1 pts	I-IV	I-VIII	workshop	W5, W7, U7, U10, U11, K2, K4
Interpersonal communication	15 h	1 pts	I-IV	I-VIII	workshop	U7, U10, U11
Fundamentals of academic teaching	30 h	3 pts	I-II	I-IV	discussion session	W5, W7, U7, U10, U11, K2, K4
Modern information and communication technologies in academic teaching	30 h	1-3 pts	I-IV	I-VIII	depending on the lecturer	W5, W7, U7, U10, U11, K2, K4
Teaching practice specified by Practice Regulations	40 h	4 pts	I-IV	I-VIII	professional practice	W5, W7, U7, U10, U11, K2, K4

TABLE 2. Learning outcomes for doctoral program and potential forms of their verification

	Learning outcomes description	Forms of verification of learning outcomes
W1 U1 K1 K2	<p>W1: knows and understands – to a degree which enables revision of existing paradigms – world accomplishment embracing theoretical foundations and general issues as well as selected issues from disciplines in which the doctoral thesis is being prepared.</p> <p>U1: is able to utilize knowledge from different domains of science, including above all from the domain encompassing disciplines in which the doctoral thesis is being prepared, to creatively identify, formulate and innovatively solve complex issues or to carry out tasks of research character.</p> <p>K1: is ready to critically evaluate achievements in disciplines in which the doctoral thesis is being prepared and own contribution to their development.</p> <p>K2: is ready to recognize importance of the knowledge in solving theoretical and practical problems.</p>	<ul style="list-style-type: none"> – Designing own research in the area of doctoral thesis, confirmed by e.g. receiving research funds from external sources (e.g. NCN (National Science Centre), NCBiR (National Centre for Research and Development)). – Carrying out own research in the area of doctoral thesis confirmed by publication in a journal listed in JCR¹. – Writing a scientific paper in the area of doctoral thesis confirmed by publication in a journal listed in JCR. – Participation in the works of interdisciplinary research team validated by a certificate issued by the project manager specifying PhD student's scope of responsibilities. – Receiving funds for financing own research or application project from external sources (e.g. NCN, NCBiR). – Submitting a formally correct request for financing a research or application project from external sources (e.g. NCN, NCBiR). – Running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), in the area adequate for the learning outcomes – Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.

¹Journal Citation Reports, listing of journals with indicators of their importance, among others *Impact Factor*.

<p>W2 U3 K1</p>	<p>W2: knows and understands major development trends of the disciplines in which the doctoral thesis is being prepared.</p> <p>U3: is able to, applying owned knowledge, carry out critical analysis and evaluation of research findings, expert activities and other works of creative nature and their contribution to development of knowledge in disciplines in which the doctoral thesis is being prepared.</p> <p>K1: is ready to critically evaluate achievements in disciplines in which the doctoral thesis is being prepared and own contribution to their development.</p>	<ul style="list-style-type: none"> - Writing a scientific paper in the area of the doctoral thesis validated by publication in a JCR-listed journal. - Preparing an expertise commissioned by an external in the area of the doctoral thesis. - Presenting results of own research in the area of the doctoral thesis at an international scientific conference. - Reviewing a scientific article for a journal listed in JCR in the area of the prepared doctoral thesis - Participating in the works of scientific committee of an international conference in the area of the doctoral thesis. - Running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), with respect to issues adequate for the learning outcomes. - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
<p>W3 U2</p>	<p>W3: knows and understands methodology of disciplines adequate for the prepared doctoral thesis.</p> <p>U2: is able to use methodological knowledge in research work, especially to define objective and subject of research, formulate research hypothesis, develop research methods, techniques and tools and use the creatively, and to draw conclusions based on research findings.</p>	<ul style="list-style-type: none"> - Designing own research in the area of doctoral thesis, confirmed by e.g. receiving research funds from external sources (e.g. NCN, NCBiR). - Carrying out own research in the area of doctoral thesis confirmed by publication in a journal listed in JCR. - Carrying out independent analysis of data obtained in experiment in the area of doctoral thesis validated by e.g. publication in a journal listed in JCR. - Presenting results of research in cognitive neuroscience at an international conference. - Writing a scientific paper in the area of cognitive neuroscience [which the prepared doctoral thesis concerns] validated by publication in a JCR-listed journal.

		<ul style="list-style-type: none"> - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
W4 U5 U6 U7 U8	<p>W4: knows and understands the principles of disseminating results of scientific activity, also in the open access mode.</p> <p>U5: can communicate on specialist subjects to a degree enabling active participation in international scientific community.</p> <p>U6: can disseminate research findings, also in popular forms.</p> <p>U7: can initiate a debate and participate in a scientific discourse.</p> <p>U8: can use a foreign language to a degree enabling participation in international scientific and professional community.</p>	<ul style="list-style-type: none"> - Writing a scientific paper in the area of cognitive neuroscience [which the prepared doctoral thesis concerns] validated by publication in a JCR-listed journal - Presenting results of own research in cognitive neuroscience at an international conference. - Pre-registration of own research. - Making own research data/findings available for international scientific community. - Reviewing an article in a journal listed in JCR in disciplines of the prepared doctoral thesis - Undertaking activities popularizing science, among others in the form of: <ul style="list-style-type: none"> o publishing a popular science article, o giving a lecture or running workshops at popular science events (e.g. Brain Awareness Week, Copernicus Festival), o participating in a radio or TV program aimed at popularizing science, o participating in organization of popular science events (e.g. Brain Awareness Week, Copernicus Festival). - Providing an international body with various forms of instruction, also outside the Jagiellonian University (e.g. summer/winter school, training, workshop) dealing with issues from the disciplines in which the doctoral thesis is prepared. - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) concerning use of English in scientific work.

W5 K2	<p>W5: knows and understands fundamentals dilemmas of modern civilisation.</p> <p>K2: is ready to recognize the importance of knowledge in solving theoretical and practical problems.</p>	<ul style="list-style-type: none"> - Submitting a patent application for a solution based on the knowledge acquired in the course of own research. - Establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research. - Receiving funds for financing own application project from external sources (e.g. NCBiR). - Participating in advisory and/or expert bodies on national, local government or corporate levels. - Undertaking activities popularizing science, among others in the form of: <ul style="list-style-type: none"> o publishing a popular science article, o giving a lecture or running workshops at popular science events (e.g. Brain Awareness Week, Copernicus Festival), o participating in a radio or TV program aimed at popularizing science, o participating in organization of popular science events (e.g. Brain Awareness Week, Copernicus Festival). - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) concerning fundamental dilemmas of contemporary civilisation.
W6 U9 K4 K5	<p>W6: knows and understands economic, legal, ethical and other critical conditions for scientific activity.</p> <p>U9: can plan and realize individual and team research undertaking, also in an international environment.</p> <p>K4: is ready to think and act in an entrepreneurial manner.</p> <p>K5: is ready to maintain and develop ethos of research environments, including carrying out research independently, respecting the principle of public ownership of research findings taking into account intellectual property protection principles.</p>	<ul style="list-style-type: none"> - Receiving funds for financing own application project from external sources (e.g. NCBiR). - Submitting a formally correct request for financing a research or application project from external sources (e.g. NCN, NCBiR) - Obtaining a favourable opinion of ethics committee adequate for the opinionated project. - Establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research. - Submitting a patent application for a solution based on the knowledge acquired in the course of own research.

		<ul style="list-style-type: none"> - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
W7 U4 K2 K3	<p>W7: knows and understands fundamental principles of knowledge transfer to economic and social spheres and of commercialization of results of scientific activity and know-how resulting from these results.</p> <p>U4: can analyse possibilities of transferring research findings to economic and social spheres.</p> <p>K2: is ready to recognize the importance of knowledge in solving theoretical and practical problems.</p> <p>K3: is ready to meet researchers' obligations and to initiate activities to the benefit of public interest.</p>	<ul style="list-style-type: none"> - Receiving funds for financing own application project from external sources (e.g. National Centre for Research and Development, NCBiR). - Submitting a formally correct request for financing a research or application project from external sources (e.g. NCBiR). - Participating in realization of application project. - Establishing a start-up as a spin-off of the home institution based on knowledge acquired by own research. - Submitting a patent application for a solution based on the knowledge acquired in the course of own research. - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
U10	Can independently act to the benefit of self development as well as inspire and organize development of other people.	<ul style="list-style-type: none"> - Receiving funds for financing own application project from external sources (e.g. National Science Centre, NCN, or National Centre for Research and Development, NCBiR). - Submitting a formally correct request for financing a research or application project from external sources (e.g. NCN, NCBiR). - Scientific supervision in the form of tutoring. - Supervision over a scientific circle, its section or other body associating students. - Running courses and other forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school), with respect to issues adequate for the learning outcomes.

		<ul style="list-style-type: none"> - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
U11	Can plan classes or groups of classes and realize them with the use of modern methods and tools.	<ul style="list-style-type: none"> - Completing teaching practice in the form of: <ul style="list-style-type: none"> o teaching or co-teaching classes, o preparing materials for classes, o participating in classes held by an experienced academic staff, o independently supervise a student through teaching the practice of research, data analysis, etc. - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.
K5	is ready to maintain and develop ethos of research environments, including carrying out research independently, respecting the principle of public ownership of research findings taking into account intellectual property protection principles.	<ul style="list-style-type: none"> - Participating in statutory bodies of the university and/or scientific societies. - Completing courses or participating in various forms of instruction, also outside of the Jagiellonian University (e.g. trainings, workshops, summer school) in the areas adequate for the learning outcomes.