

COURSE OFFERED

Name of the course	Polish	Konwersatorium dyscyplinowe (nauki fizyczne)
	English	Statistical data analysis

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

1.1. Section ¹	Section of Exact and Natural Sciences
1.2. Discipline ²	Physical Sciences
1.3. Type of education	Stationary
1.4. Level of education	PhD School/1 year
1.5. Person preparing the course description	Francesco Giacosa
1.6. Contact	fgiacosa@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Type of course ³	Disciplinary seminar
2.2. Language of the course	English

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Type of classes⁴		Lecture
3.2. The number of hours⁵		15
3.3. Location of classes		UJK, WNSiP
3.4. Type of assessment		pass with grade
3.5. Didactic methods		Oral lectures, problem solving
3.6. Literature	basic	Discussion of novel publications, www.arxiv.org
	supplementary	

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDEND LEARNING OUTCOMES

<p>4.1. Course objectives (including the form of classes)</p> <p>Report of the status of scientific research and PhD thesis of each doctoral student.</p> <p>Discussion about the results and the next tasks.</p> <p>Discussion among young and senior researchers; knowledge exchange.</p>
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¹ Section of Humanities:, Social Sciences, Section of Exact and Natural Sciences, Section of Medical and Health Sciences, Section of Arts.

² History, Linguistics, Literary Studies, Medical Sciences, Health Sciences, Political and Administrative Sciences, Legal Sciences, Security Sciences, Pedagogy, Communication and Media Studies, Management and Quality Studies, Biological Sciences, Chemical Sciences, Physical Sciences, Earth and related Environmental Sciences, Visual Arts and Artwork Conservation, Musical Arts.

³ General courses, domain specific subjects in the section, disciplinary subjects in the sections, specialized subjects in the discipline.

⁴ Classes, lecture, seminar.

⁵ Consistent with the education program at the Doctoral School
Jan Kochanowski University in Kielce.

Syllabus content

1. Interpretation of the results.
2. Correct implementation of errors and statistical methods.
3. Goals and objectives of the research tasks.
4. Improvement of presentation skills of PhD students (both scientific aspects and English).

5. SUBJECT LEARNING OUTCOMES

Learning outcomes	A doctoral student who has passed the subject:	Reference to the learning outcomes of Doctoral School (according to the training program at the Doctoral School)
in the area of KNOWLEDGE:		
W01	The doctoral student has advanced knowledge of development trends in disciplines related to the research theme being pursued	SD_W02
W02	The doctoral student has expanded knowledge of research methodologies, including statistical analysis of results.	SD_W03
W03	The doctoral student is able to formulate significant, current, and unresolved issues in the field of science in which they are studying, particularly in the discipline where the doctoral dissertation is being prepared, including in a foreign language.	SD_W07
in the area of SKILLS:		
U01	The doctoral student can define the goal and subject of research activities, as well as formulate research hypotheses in the discipline where the doctoral dissertation is being prepared	SD_U01
U02	The doctoral student can create a research plan, including advanced research procedures and an original research or concept.	SD_U02
U03	The doctoral student is skilled in presenting research findings and outcomes through oral presentations and written works, adhering to methodological, copyright, and ethical principles, as well as initiating scientific debates in international academic environments.	SD_U05

in the area of SOCIAL COMPETENCE :		
K01	The doctoral student can critically analyze their own contribution to the development of the discipline in which the doctoral dissertation is being prepared, as well as evaluate the scientific-related achievements of other researchers, in the same discipline.	SD_K01
K02	The doctoral student is able to justify the significance of knowledge in addressing cognitive and practical problems	SD_K02

6. METHODS OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

SUBJECT LEARNING OUTCOMES	METHOD OF ASSESSMENT (+/-)																				
	Oral/written exam			Test			Project			activity in class			Own work			Group work			Others		
	<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>		
	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S
W01					X																
W02					X																
W03					X																
U01					X																
U02					X																
U03					X																
K01					X																
K02					X																

7. CRITERIA OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

Form of classes	Grade	Criterion of assessment
Exercise (E) ⁶	3,0	51-60% correct exercises with test
	3,5	61-70% correct exercises with test
	4,0	71-80% correct exercises with test
	4,5	81-90% correct exercises with test
	5,0	91-100% correct exercises with test

⁶ Niepotrzebne usunąć.

Accepted for execution

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