

<b>1. Field of study</b>	<b>E-learning in Cultural Diversity</b>	
2. Faculty	Faculty of Fine Arts and Educational Science	
3. Academic year of entry	2019/2020 (winter term), 2020/2021 (winter term)	
4. Level of qualifications/degree	second-cycle studies	
5. Degree profile	general academic	
6. Mode of study	full-time	

**Module:** Statistical methods in social studies

**Module code:** 12-EZ-S2-MSBS

**1. Number of the ECTS credits:** 5

<b>2. Learning outcomes of the module</b>			
code	description	learning outcomes of the programme	level of competence (scale 1-5)
_K_1	has deep awareness of the level of skills and abilities, understands the need of constant professional and self-development	K_K01	4
_U_1	understanding the basics of mathematics and gaining intuition in employing practical methods of classic statistics	K_U05	4
_U_2	the ability to perform basic analysis of statistical phenomenon	K_U05	4
_U_3	the ability to perform statistical inference with regard to e-learning efficiency	K_U05	4
_W_1	knows the basic concept of statistics, the basic estimation theory, the methods of statistical hypothesis testing, the scope and methods of descriptive statistics, the concept of correlation and basic analysis techniques	K_W06	4

### 3. Module description

<b>Description</b>	The aim of the module is to make students understand the basics and help them to gain the intuition in using basic methods of the classical statistics, both its descriptive methods and statistical inference for one or many random variables.
<b>Prerequisites</b>	Mathematics, secondary school, basic level.

### 4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
_w_1	Written test	A student, independently, solves a problem which is later on accessed by the lecturer.	_U_1, _U_2, _U_3, _W_1
_w_2	Written exam	The lecturer grades student's knowledge and skills.	_W_1
_w_3	Project	A student, in group work, prepares a computer application to assess psychological analysis of	_K_1, _U_1, _U_2, _U_3

	a chosen phenomenon.	
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5. Forms of teaching						
code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
_fs_1	lecture	Student rozwiązuje problemy z pomocą wykładowcy.	15	Student solves problems with the lecturer assistance.	35	_w_1, _w_2
_fs_2	laboratory classes	The instructor presents practical problems together with solutions to the individual cases. The instructor formulates and presents problems for the student to solve.	15	The student solves problems with her/his instructor's assistance. The student presents the results of her/his own work.	35	_w_3