1.	**Field of study**	**E-learning in Cultural Diversity**
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: C2. Modelling ICT and e-learning technology selection in an educational environment

Module code: 12-EZ-S2-MDW.3-MWT

1. Number of the ECTS credits: 5

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
_U_1	has basic research skills allowing her/him to analyse research examples and design and carry out simple pedagogical research relating to ICT use, can formulate conclusions, compile and present results (using ICT) and identify directions for further research in the application of a particular technology, can use basic tools, programs and educational kits to model the selection of a given technology	K_U02 K_U05	4 4
_U_2	can use essential theoretical and practical knowledge about ICT and related disciplines in order to analyse and interpret educational, technical and hardware issues, can independently acquire knowledge and develop her/his professional skills, using various sources (in native and foreign language) and modern technologies (ICT), can process, use sources and information on available scientific portals, computer programs as well as information from educational kits designed for developing ICT knowledge, can obtain and process information acquired in order to optimise the educational process in respect of ICT	K_U02	4
_U_3	can make use of rules related to the operation of didactic programs and kits intended for ICT teaching, can work in a team, performing various roles, has basic organisational abilities allowing her/him to accomplish goals related to the design and implementation of activities aimed at using ICT technologies for group work	K_U02 K_U03	4 4
_W_1	the student knows essential ICT terminology, understands the origins of the terms and their use in related fields.	K_W02	3
_W_2	the student has basic knowledge of pedagogics and related academic disciplines. also psychological and pedagogical knowledge allowing her/him to understand the processes of development, socialisation, education, teaching - learning	K_W04	1

3. Module description

Description	The course is designed to familiarise students with extensive opportunities for using ICT for the purpose in an educational environment. The course addresses current issues, arising from dynamic changes in the information society which have a fundamental impact on education and teaching /learning processes in a given society. Students will have the opportunity to familiarise themselves with a broad spectrum of impacts of ICT on the teaching

	process, starting from classic methods, e.g. sunplugged, EduMATRIX, through e-learning methods (code.org, khanaacademy, runmarco), to complete educational kits. Content of the course is provided based on classical view of computational thinking or based on one's own proprietary solutions Students will be familiarised with contemporary theories and methods allowing for ICT development in an educational environment Course classes are also intended to help students reflect on current educational issues related to excessive digitisation of society.
Prerequisites	Essential knowledge on ICT and computer literacy (operating system, office applications, Internet, installation of application software). Intermediate command of English

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
_w_1	Test	Checking whether the student has knowledge allowing her/him to create, in a theoretical and practical manner, methods allowing for using ICT in an educational environment. Checking whether the student has the following detailed theoretical knowledge: - ICT history - various ICT interaction methods - development of one's own ICT concepts - selection of ICT method in a thoughtful manner, depending on the educational environment - organisation of distance work, using ICT and e-learning	_W_1, _W_2
_w_2	Credit task 1	Developing a lesson scenario using the ICT methods introduced, e-learning, csunplugged. Checking whether the scenario comprises all the necessary forms of its correct execution.	_U_2, _U_3
_w_3	Credit task 2	zrealizowanie w sposób poprawny odnośnie treści i metody dla quizu edukacyjnego	_U_1, _U_2, _U_3

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	Developing theoretical knowledge on: 1. History of computational thinking development. 2. Theoretical presentation of methods and techniques of ICT use. 3. Theoretical presentation of forms of registration on educational portals. 4. Theoretical presentation of the utilisation of ICT mechanisms for developing one's own projects. 5. Theoretical presentation of the structure of an application based on appinventor or other application. Checking whether the student has detailed	15	Consolidating theoretical knowledge on: 1. History of computational thinking development. 2. Use of ICT models in an educational environment. 3. Development of one's own concepts and solutions in order to create various forms and methods, based on ICT. 4. Presentation of the utilisation of ICT mechanisms for developing one's own projects. 5. Presentation of the structure of an application based on appinventor or other application.	50	_w_1

		theoretical knowledge in respect of the above issues.		Preparing a lesson scenario based on the method suggested by the instructor.		
_fs_2	laboratory classes	Development of practical skills in the development of e-training scenarios Checking whether the student can develop and use her/his own solutions relating to ICT use in an educational environment Developing practical skills in creating one's own solutions for using ICT the educational process Checking whether student can design an educational process course based on the ICT methods she/he has learnt about.	15	Consolidating practical skills in the development of scenarios with regard to using ICT in an educational environment; Preparing a lesson scenario based on the method suggested by the instructor Developing one's own concept of the csunplugged method in order to perform tasks in an educational environment Developing one's own ICT solution based on appinvertor or Kahoot.	75	_w_2, _w_3