

Faculty of Architecture						
Study programme:	Architecture		Degree level:	full-	Bachelor's degree/Master's degree	
Specialization			Diploma path:			
Module name:	ARCHITECTURAL DESIGN - SUSTAINABLE ARCHITECTURAL DESIGN IN A NON-URBANIZED ENVIRONMENT					
Module type:	elective	Semester:	W	ECTS	8	Module ID: IS-FA-00045W
No. of hrs in semester:	L - C -		LC-	P- x	SW-	S-
Prerequisites:	<i>Complete with prerequisites or "-"</i>		Basic knowledge of the theory of architecture, elements of design, civil engineering. Freehand drawing skills.			
Aims and objectives:	<i>Description of the assumed knowledge, skills and social competence the student should have acquired after the completion of the module:</i>		<p>Course objectives: The course objective is to teach the principles of ergonomics and the art of architecture, the practical application of the building crafts and methodology of architectural design, whilst deriving aesthetic value of architectural forms from their spatial and cultural contexts.</p> <p>Skills to be acquired: Advanced study and design skills related to the recognition, assessment, understanding and describing architectural space in its spatial and cultural (semantical) context, including the respect for multi-cultural and multi-ethnic phenomena that create the identity of a place and its inhabitants/users. Abilities and skills for producing final architectural drawings which show the essence of aesthetical idea.</p>			
Forms of teaching activities:	<i>project</i>		<i>Assessment:</i>		<i>Evaluation must be relevant to the intended learning outcomes</i>	
			<ol style="list-style-type: none"> 1. Workshops during study tour to the location place. 2. Multimedia presentation on the existing realizations with reference to the course project. 3. Two task designs. 4. Project – project completion, presentation and discussion 			
Module content:	<p>The course task is to design a public utility building with a simple function for a small group of occupants, located in a non-urbanized environment of high nature values, in its form referred to the tradition of the architecture of local cultures.</p> <p>The architectural design of a public utility, commercial or commercial and housing building located by a river, a pond or a lake, in the meeting point of a natural and structured environment of high land- scape and cultural values, in a non-highly urbanized place. Depending on its location and intensity of contextual space it is meant to be a tourist, recreation, commercial and gastronomic or cultural (acting and musical workshops, pilgrim's house, etc.) building;</p>					
Teaching methods:	<ol style="list-style-type: none"> 1. Study tour to the location of the project. 2. Lecture and presentation on issues related to the course project. 3. Critical group discussion of the realizations with reference to creative inspirations. 4. Individual discussion on issues related to the course project. 5. Final presentation of the course project with a group debate. 					
Learning outcome	<i>Specify min. 4, max. 8 learning outcomes in the following order: knowledge – skills – competence. Each learning outcome must be verifiable</i>				<i>Reference to the programme learning outcomes</i>	
LO1	Understanding of local heritage and tradition in architecture, landscape, and urban design as well as the climatic, technological, socioeconomic, and other cultural factors that have shaped and sustained them				FA-00045	
LO2	Understanding of the fundamentals of visual perception and the principles and systems of order that inform two- and three-dimensional design, architectural composition, and urban design				FA-00045	

LO3	Understanding of the diverse needs, values, behavioral norms, physical ability, and social and spatial patterns that characterize different cultures and individuals and the implication of this diversity for the societal roles and responsibilities of architects	FA-00045	
LO4	Understanding of the basic principles and appropriate application and performance of building envelope materials and assemblies	FA-00045 FA-00044	
LO5	Ability to use basic architectural principles in the design of buildings, interior spaces, and sites	FA-00045 FA-00048	
LO6	Ability to gather, assess, record, and apply relevant information in architectural coursework	FA-00045	
LO7	Ability to produce final architectural drawings which show the essence of aesthetical idea.	FA-00051 FA-00052 FA-00053	
LO8	Ability to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements at each stage of the design process	FA-00051 FA-00052 FA-00053 FA-00054 FA-00055	
No. of learning outcome	Methods of assessing the learning outcome	Type of teaching activities (if more than one) during which the outcome is assessed	
LO1	Evaluation of design solutions presented in task designs and final project	Project	Task design
LO2	Evaluation of design solutions presented in task designs and final project	Project	Task design
LO3	Evaluation of design solutions presented in task designs and final project	Project	Task design
LO4	Evaluation of design solutions presented in task designs and final project	Project	Task design
LO5	Evaluation of design solutions presented in task designs and final project	Project	Task design
LO6	Evaluation of multimedia presentation.	Presentation	
LO7	Evaluation of design solutions presented in task designs and final project	Project	
LO8	Evaluation of multimedia presentation as well as design solutions presented in task designs and final project	Project Presentation	Task design
Student workload (in hours)	lecture attendance		0
	participation in classes, laboratory classes, etc.		60
	preparation for classes, laboratory classes, projects, seminars, etc.		40
	working on projects, reports, etc.		60
	participation in student-teacher sessions related to the classes/seminar/project		20
	implementation of project tasks		50
	preparation for and participation in exams/tests		0
		TOTAL:	230
Quantitative indicators	Student workload – activities that require direct teacher participation:	80	ECTS 8
	Student workload – practical activities:	150	

Basic references:	<p>[1] <i>Architecture and Nature. The Work of Alfred Caldwell</i>, Birkhauser Verlag, Basel 1984; [2] <i>Frampton K.: The evolution of 20th century architecture : a synoptic account</i>. Springer, Wien 2007; [3] <i>Gehl J.: Life between buildings: using public space</i>, Copenhagen Architektens Ferlag, 1996; [4] <i>Hallmann H. and Callwey Georg D.W.: Bauen mit Holz in Park und Garten</i>, München 1984; [5] <i>Jodidio P.: 100 contemporary architects</i>. Taschen, Hong Kong 2008;</p>	
Supplementary references:	<p>[1] <i>Alexander Ch., The Pattern Language</i>, Oxford University Press, New York 1977 [2] <i>Ching F.D.K., Architecture - Form, Space, and Order</i>, John Wiley & Sons, 2007,</p>	
Unit:	Department/Division/etc.	Unit for Architecture of Local Cultures
Date of issuing the programme:	29.03.2023	Author of the programme: Janusz Grycel, PhD Eng Arch

L - lecture C - classes

SW - specialization workshop

LC - laboratory classes

S - seminar

P-project