COURSE DESCRIPTION CARD

<table>
<tr><td colspan="10">Faculty of Civil Engineering and Environmental Sciences</td></tr>
<tr><td>Field of study</td><td colspan="6"></td><td colspan="2">Degree level and programme type</td><td></td></tr>
<tr><td>Specialization/ diploma path</td><td colspan="6"></td><td colspan="2">Study profile</td><td>Academic profile</td></tr>
<tr><td rowspan="2">Course name</td><td colspan="6" rowspan="2">Design Principles IV (universal design)</td><td colspan="2">Course code</td><td>IS-FCEE-00239W</td></tr>
<tr><td colspan="2">Course type</td><td>Erasmus</td></tr>
<tr><td rowspan="2">Forms and number of hours of tuition</td><td>L</td><td>C</td><td>LC</td><td>P</td><td>SW</td><td>FW</td><td>S</td><td>Semester</td><td>winter</td></tr>
<tr><td>15</td><td></td><td></td><td>15</td><td></td><td></td><td></td><td>No. of ECTS credits</td><td>2</td></tr>
<tr><td>Entry requirements</td><td colspan="9">-</td></tr>
<tr><td>Course objectives</td><td colspan="9">Developing skills to shape the space in accordance with the principles of universal design. Developing understanding of the needs of different groups of users, in particular people with disabilities. The course prepares for conducting scientific activity.</td></tr>
<tr><td>Course content</td><td colspan="9">Lecture: Discussion of the history and principles of the idea of universal design in relation to the design of landscape architecture objects.
Project: The scope of exercises and design task includes a small object of small architecture adjusted to the needs of all its users. The object is to be designed in accordance with the principles of universal design.</td></tr>
<tr><td>Teaching methods</td><td colspan="9">informative lecture
project work, field studies, elaborate, discussion</td></tr>
<tr><td>Assessment method</td><td colspan="9">lecture: written assessment
project: completion and defence of the project</td></tr>
<tr><td>Symbol of learning outcome</td><td colspan="7">Learning outcomes</td><td colspan="2">Reference to the learning outcomes for the field of study</td></tr>
<tr><td>LO1</td><td colspan="7">Student understands the diversity of space users resulting from their age and limitations related to the state of their health (including various disabilities)</td><td colspan="2">K_AK1_W10</td></tr>
<tr><td>LO2</td><td colspan="7">Student knows the principles of designing space furnishings and adapting them to different groups of users</td><td colspan="2">K_AK1_W10
K_AK1_W09</td></tr>
<tr><td>LO3</td><td colspan="7">Student is able to analyze concrete space in terms of its accessibility by people with disabilities</td><td colspan="2">K_AK1_U10</td></tr>
<tr><td>LO4</td><td colspan="7">Student is able to design surfaces and elements of space furnishings in a manner compliant with the principles of universal design</td><td colspan="2">K_AK1_U10</td></tr>
<tr><td>LO5</td><td colspan="7">Student is willing to lead a discussion on the meaning of accessibility of space</td><td colspan="2">K_AK1_K04</td></tr>
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Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
LO1	written assessment, course assignments	L, P
LO2	written assessment, course assignments	L, P
LO3	project work, course assignments	P
LO4	project work	P
LO5	elaborate, discussion	P
Student workload (in hours)		**No. of hours**
Calculation	participation in lectures	15
	preparation for the assessment	10
	participation in the project classes	15
	preparation for the project classes, homework assignments	15
	participation in consultations	5
	TOTAL:	**60**

Quantitative indicators	HOURS	No. of ECTS credits
Student workload – activities that require direct teacher participation	35	1,5
Student workload – practical activities	35	1,5

Basic references	1) Grabowska – Pałecka H., Niepełnosprawni w obszarach i obiektach zabytkowych. Problemy dostępności, Wydawnictwa Politechniki Krakowskiej, Kraków 2004; 2) Kuryłowicz E., Projektowanie uniwersalne. Udostępnienie otoczenia osobom niepełnosprawnym, Centrum Badawczo – Rozwojowe Rehabilitacji Osób Niepełnosprawnych, Warszawa 1996; 3) Neufert E., Podręcznik Projektowania architektoniczno – budowlanego, Arkady, Warszawa 2003;	
Supplementary references	1) Asanowicz A., Percepcja jako czynnik kształtujący formę architektoniczną, Wydawnictwa Politechniki Białostockiej, Białystok 1988; 2) Jasiak A., Swereda D., Ergonomia osób niepełnosprawnych, Politechnika Poznańska, Poznań 2009;	
Organisational unit conducting the course	**Department of Buliding Structures**	**Date of issuing the programme**
Author of the programme	**dr inż. arch. Maciej Kłopotowski** **mgr inż. arch. kraj. Kamil Rawski**	**04.02.2019**

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar