COURSE DESCRIPTION CARD

The name of the course/module		Code
LANDSCAPE ARCHITECTURE		**A_K_1.5_004**
Main field of study **ARCHITECTURE**	Educational profile (general academic, practical) **general academic**	Year / term **III/5**
Specjalization	Language of course: **Polish**	Course (core, elective) **core**
Hours Lectures: **15** Classes: **60** Laboratory classes: **-** Projects / seminars: **-**		Number of points **4**

Level of qualification:	**Form of studies** (full-time studies/part-time studies)	**Educational area(s)**	**ECTS distribution (number and %)**
I	**Full-time studies and part-time studies**	**Technical Sciences**	**1** ECTS (25%) **3** ECTS (75%) **100%**

Course status in the studies' program (basic, directional, other)	(general academic, from a different major)
directional	**general academic**

Lecturer responsible for course:

prof. dr hab. inż. arch. Wojciech Bonenberg
e-mail: wojciech.bonenberg@put.poznan.pl
Faculty of Architecture
ul. Nieszawska 13C, 61-021 Poznań
te tel. 61 665 32 60

Lecturer:

dr inż. arch. Dominika Pazder
e-mail: dominika.pazder@put.poznan.pl
Faculty of Architecture
ul. Nieszawska 13C, 61-021 Poznań
tel. 61 665 32 60

Prerequisites defined in terms of knowledge, skills, social competences:

1	**Knowledge:**	- Student has explicit, theoretically based knowledge including the key issues of the architectural design and urban planning, - Student has basic knowledge on modern trends in architectural designing and urban planning, - Student has basic knowledge of architectural and urban planning composition,
2	**Skills:**	- Student can acquire information from publications, data bases and other Polish and English sources, can interpret and integrate the said information and draw conclusions as well as voice and justify opinions, - Student can carry out critical analysis of the manner of operation and assess the existing solutions, systems and processes,
3	**Social Competences:**	- Student can work and cooperate in a team, assuming a number of different roles therein, - Student correctly identifies and resolves dilemmas in different spatial situations in the architectural and urban scale.

Objective of the course:

- Presentation of landscape architecture as a field includes rational shaping of human surrounding, in manner as to satisfy the needs of not only aesthetic but also environmental (natural), social, psychical, cultural, functional and economic requirements.
- Presentation of integrated approach to environment designing, in which landscape architecture is a synthesis of relations between natural elements (relief, climate, existing vegetation) and anthropogenic factors (local tradition, culture, taste, fashion etc.).

- Presentation of theoretical knowledge concerning the relations between human and landscape, knowledge of the principles and methods of landscape management and understanding of the factors which build quality of the landscape, such as: visual expression, diversity, readability, accessibility, development potential.
- Stimulation of creativity in the architectural design process conditioned of landscape context, by researching relations between architecture and natural, cultural, social environment, especially the ability to create relations between landscape background and newly designed architectural objects.
- Improving the ability to manual drawing as a tool for landscape researches, carrying out analysis and assessment of architectural and urban surrounding.

Learning outcomes

Knowledge:		
W01	Student has basic knowledge in the understanding of social, historical, natural, economic, organizational, legal and other determinants outside the engineering activity and has basic knowledge of quality management	**AU1_W03**
W02	Student knows the issues of landscape designing and sustainable spatial development	**AU1_W17**
Skills:		
U01	Student can, thanks to understanding the relationships between the object the surroundings, identify the existing functional and spatial resources, can evaluate these resources and come up with respective conclusions on possible transformations in architecture and town planning	**AU1_U21**
U02	Student can, when formulating engineering tasks and solving them, notice their natural and well as aspects related to landscape	**AU1_U25**
Social competences:		
K01	Student is aware of the importance of non-technical aspects and effects of engineering activities, in this impact upon the environment and liability for environment affecting decisions	**AU1_K05**
K02	Student is aware of the social and humanistic aspects of the architect's work - a profession of public trust	**AU1_K09**

The evaluation methods:

Formative assessment:

Lecture

- Course credit is conditional active participation in lectures and positive grade for colloquium, which includes contents presented during lectures.

Classes

- Assessment of active participation in classes , discussion in the group and involvement in project work.
- Assessment of timeliness and quality of task implementation during the interim and final review.
- Group assessment rely on selection of three best final works.

Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

Summative assessment:

Lecture

- Colloquium grade (multiple-choice test covering contents presented during lectures).

Classes

- A summative assessment consists of grades set by the teacher during interim and final review, assessment of student activity and involvement and assessment of the group.

Final grading scale: 3,0; 3,5; 4,0; 4,5; 5,0

Course contents

Lectures:

1. Typology and classification of landscape forms.
2. Genesis of landscapes. Expression of the social and psychical needs of human in the landscape.
3. Visual quality of landscape.
4. Designing architectural facilities in landscape.
5. Sustainable development of landscape.
6. Social conditions of landscape development.
7. Natural and anthropogenic conditions of landscape development.

Classes:

Design tasks – entering of the newly designed architectural form in the existing part of the cultural landscape.

A. Output:

1. A designated location in the existing context of the cultural landscape.

2.The cubature of the object, which should be put in the existing landscape context.
B. General description of the classes
The exercise consists in entering the newly designed architectural form in the existing part of the cultural landscape. Student can freely shape all parameters newly designed solid: its proportions, shape, color, texture, material, internal division, transparency, etc. Student can also break down a designated cubature to smaller solids with different visual properties. It's only important that the cubature has been located in in the indicated place (in the case of fragmentation of solid, the cubature of all components cannot be changed)
Student should to recognize the basic visual relations binding on newly designed object with existing cultural landscape. For that purpose, student should:

- Analyze the visual parameters of landscape background broken down into partial components
- Configuration and land cover, the dominant form of buildings, background plans, the layout of the objects in the plans, background dominants, color, texture, material, articulation, background structure.
- Analyze the visual parameters of the newly designed object, broken down into partial elements: scale, proportions, shape, fragmentation of composition, color, texture, material, articulation, object structure, etc.
- Research (in graphical form) the visual relations between partial parameters of landscape background and newly designed object.
- Visual parameters of newly designed object in the subsequent design version should be modified in order to obtain of set landscape relations: strong visual contrast, strong visual subordination ("merging into"), indirect relation resulting from appropriate selection of partial visual parameters.

- Obtained variants are the basic for selection of design solution in creative manner connecting newly designed solid with existing landscape context.

Basic bibliography:

Alexander C. Nature of order. Center for Environmental Structure. Berkeley. 2002-2004.
Alexander C., Ishikawa S., Silverstein M. A Pattern Language. Oxford University Press. 1977.
Alexander, C., Notes on the Synthesis of Form. Harvard University Press. 1964.
Arnhem R. Sztuka i percepcja wzrokowa. Warszawa. 1978.
Bogdanowski J., Łuczyska-Bruzda M., Novak Z. Architektura Krajobrazu. Warszawa, Kraków. 1981.
Böhm A. Architektura krajobrazu, jej początki i rozwój. Skrypt dla studentów wyższych szkół technicznych. Kraków. 1994.
Böhm A. Planowanie przestrzenne dla architektów krajobrazu. O czynniku kompozycji. Kraków. 2006.
Bonenberg W. Przemysł w mieście. Ekologiczna metoda modernizacji zakładów przemysłowych zlokalizowanych na
obszarach intensywnie zurbanizowanych. Gliwice. 1985.
Braun J. Elementy ekologii miasta przemysłowego. Wrocław. 1964.
Brentano F. Psychologia z empirycznego punktu widzenia. PWN. Warszawa. 1999.

Supplementary bibliography:

Gołaszewska M. Zarys estetyki. Warszawa 1986.
Heidegger M. Bycie i czas. Tłum. B. Baran. Warszawa. 1994.
Husserl E. Badania logiczne. PWN. Warszawa. 2006.
Kierkegaard S. Okruchy filozoficzne. PWN. Warszawa. 1988.
Woźniak C. Martina Heideggera myślenie sztuki. Kraków. 1997.
Strzałecki A. Wybrane zagadnienia psychologii twórczości. Warszawa, 1969
Szczepański J. Socjologia. Rozwój problematyki i metod. Warszawa. 1961.
Tatarkiewicz W. Historia estetyki Arkady. Warszawa. 1985-1991.
Tatarkiewicz W. Droga przez estetykę. Arkady. Warszawa.1972

The student workload

Form of activity	Hours	ECTS
Overall expenditure	113	4
Classes requiring an individual contact with teacher	80	3
Practical classes	88	3

Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	15 h

participation in classes/ laboratory classes (projects)	60 h
preparation for classes/ laboratory classes	12 x 1 h = 12 h
preparation to colloquium/final review	13 h
participation in consultation related to realization of learning process	3 x 1 h = 3h
preparation to the exam	8 h
attendance at exam	2 h

Overall expenditure of student: **4 ECTS credits** **113 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

  15 h + 60 h + 3 h + 2 h = **80 h** **3 ECTS credits**