



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Urban Design

Course

Field of study

Civil Engineering

Area of study (specialization)

-

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

10

Laboratory classes

Tutorials

Projects/seminars

Other (e.g. online)

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

dr inż. Monika Siewczyńska

monika.siewczynska@put.poznan.pl

tel. 616652864

Wydział Inżynierii Lądowej i Transportu

ul. Piotrowo 5 Poznań

Responsible for the course/lecturer:

Prerequisites

Students beginning this course should have basic knowledge of engineering and CAD graphics and introduction to building design. The student should have skills in reading architectural and construction drawings.

Course objective

To provide students with basic knowledge of architectural design. Enable students to develop the ability to model buildings in 3D.

Course-related learning outcomes

Knowledge

1. Is well acquainted with the principles of technical drawing concerning the creation and reading of



architectural and construction drawings and their preparation using BIM (Building Information Modeling) technology

2. Is familiar with the elements of technical conditions, as well as the basic concepts and principles of copyright protection
3. Has basic general knowledge of spatial planning, the relationship between architecture and the technical possibilities of construction

Skills

Can obtain information from literature and other appropriately selected sources.

Social competences

1. Is able to identify priorities for the implementation of his/her own and other tasks
2. Understands the need for copyright protection

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The knowledge acquired during the lectures is verified by two 45-minute colloquia carried out during the 7th and 15th lectures. Each of the colloquia consists of 5-10 questions (test or open), differently scored. The credit threshold: 50% of points. The lectures outlines on the basis of which the questions are developed will be sent to students via e-mail using the university's e-mail system.

In the case of e-learning, it is possible to change the method of passing the lectures in quizzes - after each lecture. The points obtained from the individual quizzes are added up and the final grade is determined on their basis.

Maximum number of points for each quiz: 3 points.

Number of quizzes: 7

Scoring - evaluation:

20-21 - 5,0

18-19 - 4,5

16-17 - 4,0

14-15 - 3,5

12-13 - 3,0

0-11 - 2,0

Programme content

History of city development



Urban tissue

Urban planning and city plan

Elements of a comprehensive assessment of the potential of the site

Elements of the urban plan method

Shaping new urban structures

Contemporary trends in the structure and functioning of cities

The city, its structure and composition

Shaping contemporary public space

Green space shaping

Water in shaping public spaces

Selected examples of urban development projects

Spatial development management

Strategic planning

Spatial planning

City revitalization

Teaching methods

Lectures - informative lecture with a multimedia presentation. 3D modelling - demonstration and e-learning with instruction.

Bibliography

Basic

1. Wprowadzenie do projektowania urbanistycznego, red. P. Lorens, J. Martyniuk-Pęczek, Akapit-DTP Gdańsk 2014
2. Planowanie i realizacja przedsięwzięć urbanistycznych, red. P. Lorens, J. Martyniuk-Pęczek, Akapit-DTP Gdańsk 2011
3. Problemy kształtowania przestrzeni publicznych, red. P. Lorens, J. Martyniuk-Pęczek, Wydawnictwo Urbanista Gdańsk 2010
4. Zarządzanie rozwojem przestrzennym miast, red. P. Lorens, J. Martyniuk-Pęczek, Wydawnictwo Urbanista Gdańsk 2010
5. Wybrane teorie współczesnej urbanistyki, red. P. Lorens, I. Mironowicz, Akapit-DTP Gdańsk 2013



6. Miasto europejskie na przestrzeni dziejów. Wybrane przykłady, M. Kostrzevska, Akapit-DTP Gdańsk 20131.

Additional

1. Wybrane zagadnienia rewitalizacji miast, red. P. Lorens, J. Martyniuk-Pęczek, Wydawnictwo Urbanista Gdańsk 2009

2. Wejchert K., Elementy kompozycji urbanistycznej, Arkady, 1984

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	10	0,5
Student's own work (literature studies, preparation for classes, preparation for tests and project preparation) ¹	40	1,5

¹ delete or add other activities as appropriate