

COURSE DESCRIPTION CARD			
The name of the course/module REGIONAL PLANNING			Code A_K_2.2_001
Main field of study ARCHITECTURE	Educational profile (general academic, practical) general academic		Year / Semester I/2
Specialization -	Language of course: polish/english		Course (core, elective) core
Hours Lectures: 15 Classes: Laboratory classes: Projects / seminars:			Number of points 1
Level of qualification: II	Form of studies (full-time studies/part-time studies) Full-time studies	Educational area(s) Technical Sciences	ECTS division (number and %) 1 100%
Course status in the studies' program (basic, directional, other) directional		(general academic, from a different major) general academic	
Lecturer responsible for the course/lecturer: dr hab. inż. arch. Robert Ast e-mail: robert.ast@put.poznan.pl Faculty of Architecture ul. Nieszawska 13 c, 61-021 Poznań tel.: 61 665 33 05		Lecturer: Prof. dr hab. nt. Lech Zimowski Faculty of Architecture ul. Nieszawska 13 c, 61-021 Poznań tel.: 061 665 3270	
Prerequisites defined in terms of knowledge, skills, social competences:			
1	Knowledge:	<ul style="list-style-type: none"> • Student has explicit, theoretically based knowledge including the key issues of architecture and urban planning, • Student has knowledge of development trends and the most important achievements in the field of architecture and urban planning as well as related disciplines, • Student has knowledge required for the understanding of social, economic, legal and other determinants outside the engineering field of the engineering activities and take them into account in engineering practice, 	
2	Skills:	<ul style="list-style-type: none"> • Student can acquire information from field specific literature, data bases and other properly selected sources in English or another foreign language considered as a language of international communication in his/her field of study, • Student can integrate the acquired information, interpret and critically assess the said information, as well as draw conclusions and come up with opinions supported with satisfactory reasons, • Student can communicate using different techniques in the professional environment and in other environments, also in English or another foreign language considered as a language of international communication in his/her field of study, • Student can prepare scientific elaboration in Polish and short scientific report in foreign language, which is considered essential for the field of science and scientific disciplines relevant to urban planning, presenting his/her own research results, • Student can prepare and present oral presentation of detailed issues of urban planning, • Student can assess the usefulness and the possibility of using the new achievements (techniques and technologies) in his/her field of study, 	
3	Social Competences:	<ul style="list-style-type: none"> • Student can work and cooperate in the group, assuming a number of different roles therein, • Student can respectively determine priorities for the execution of goals set by himself/herself or by others, • Student is aware of the social role of technical university graduates, especially understands the need for the formulate and communicate to the public, especially by mass media, information and opinions concerning the achievements of technology and other aspects of engineering; shall endeavor to provide information and opinions in commonly understood manner with the justification of different points of view, • Student is able to think and act in a creative and entrepreneurial manner. 	

Objective of the course:		
Student identifies social, economic and spatial relations in the large scales – continental, national, regional, subregional. Student identifies physiographic, socio-economic and compositional values in regional scale using specific factors of regional development. Student applies the selected guiding factors for creation of functional and spatial program of territory development.		
The ability to cooperate with the local self-governments in creation of development programs in the aspect of physiographic subregions and areas of self-governmental administration and public administration.		
Learning outcomes		
Knowledge:		
W01	Student has explicit, well-grounded theoretical knowledge on national, regional, metropolitan, communal and local spatial planning;	AU2_W08
W02	Student has the right knowledge of energy saving in town planning;	AU2_W13
W03	Student has knowledge in the scope of organisation of an investment process and the integration of plans with town planning in the country and in the EU countries.	AU2_W18
Skills:		
U01	Student can come up with improvements regarding the existing architectural, urban and regional spatial solutions;	AU2_U14
U02	Student can assess the usefulness of methods and tools to be used for the solution of complex architectural designing tasks, complex town planning tasks and complex spatial planning tasks and apply them, with the account for environmental aspects, in this he/she can propose new methods and tools if any limitations of the so far applied methods and tools are observed.	AU2_U16
Social competences:		
K01	at the execution of an engineering task/organisational task, he/she can think reasonably and act in a creative, entrepreneurial and innovative way;	AU2_K02
K02	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.	AU2_K05
The evaluation methods:		
Test. The text elaboration on the assigned planning topic. A4 format. Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0 Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus.		
Course contents		
<ol style="list-style-type: none"> 1. Theories of regions and cities planning. Ecological habitat. Fundamentals of contemporary methodology of urban planning and space arrangement. 2. Designing the settlement systems. Locations, habitats, houses – gardens in the models of transurbation, revitalization, theories of biomes. 3. Ecological urban planning – models. The formula of ecological urban planning (Card of Poznań). 4. Revitalization of small towns. Permanent and selective components of urban structures as well as agricultural and rural structures. 5. Processes of inland transurbation and aquatic transurbation. 6. Theory of biomes – natural, horticultural, habitat – application. 7. Organization of physical planning in Poland and in the world. 8. Contemporary composition of region, district, city. 9. Organization of physical planning in European Union countries. 10. Development of settlement network. The issues of communication, traffic, connectivity in region. 11. Changes in Urban Planning Act. 12. Spatial transformations of cities and peripheries. 13. Examples of planning and design solutions. 		
Basic bibliography:		
<ol style="list-style-type: none"> 1. Adamczewska-Wejchert H.: Małe miasta. Warszawa 1986. 2. Ast R.: kształtowanie przestrzeni regionów i miast. Wyd. PP. Poznań 1997. 3. Cichy Pazder E.: Humanistyczne podstawy kompozycji miast. Wyd. PK. Kraków 1998. 4. Gałecki T.: Metodyka konstruowania planów ogólnych zagospodarowania przestrzennego miast. Poznań 1994. 5. Jaśkiewicz J.: Zasada kompensacji przestrzeni w zamkniętych wnętrzach urbanistycznych. Warszawa 1966. 6. Kopiec – Unger J.: Rola architekta w krajach Unii Europejskiej. Poznań 1999. 7. Wallis A.: Socjologia przestrzeni. Warszawa 1990. 		

8. Zaniewska H.(red) : Ignacy Felicjan Tłoczek, urbanista-profesor-humanista. Wybór pism. Poznań 2002.
9. Zimowski L.: Modelowanie w teorii urbanizacji. Wydział Architektury Politechniki Poznańskiej, Poznań 2000.
10. Zimowski L.: Planowanie przestrzenne miast i regionów. Ośrodek Wydawnictw Naukowych PAN, Poznań 1999.
11. Zimowski L.: Trwałe i selektywne składniki struktur urbanistycznych i rolniczo-wiejskich. I Sympozjum Naukowe IAiPP. Wydawnictwo PP, Poznań 1982.
12. Borowski K., Brochado R., Zimowski L.: Przestrzenie wielorakiej koegzystencji. Uwarunkowania i przyczynki zrównoważonego rozwoju. Komisja Urbanistyki i Planowania Przestrzennego PAN w Poznaniu, Poznań 2002.

Supplementary bibliography:

1. Wallis A.: Miasto i przestrzeń. Warszawa 1977.
2. Wallis A.: Socjologia przestrzeni. Niezależna Oficyna Wydawnicza, Warszawa 1990.
3. Zipser T.: Zarys podstaw teoretyczno – metodologicznych Studium uwarunkowań i kierunków zagospodarowania przestrzennego gminy Wrocław. W: „Techniki i metody badawcze w planowaniu przestrzennym”, red. E. Bagieński, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 1997.
4. Zuziak Z.: Strategie rewitalizacji przestrzeni śródmiejskiej. Monografia Politechniki Krakowskiej, Kraków 1998.
5. Zimowski L.: Formuła urbanistyki ekologicznej (Karta Poznańska) W: Prace IAiPP. III Konferencja Naukowa Wydziału Budownictwa Lądowego Politechniki Poznańskiej, Tom IV, Poznań 1980.
6. Zimowski L.: Geneza i rozwój komunikacji pocztowej na ziemiach polskich. Wydawnictwo Komunikacji i Łączności, Warszawa 1982.

The student workload

Form of activity	Hours	ECTS
Overall expenditure	25	1
Classes requiring an individual contact with teacher	20	1
Practical classes	5	0

Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	15 h
participation in classes/ laboratory classes (projects)	0
preparation for classes/ laboratory classes	0
preparation to colloquium/review	5 h
participation in consultation related to realization of learning process	5 x 1 h = 5 h
preparation to the exam	0
attendance at exam	0

Overall expenditure of student:

25 h

1 ECTS credit

As part of this specified student workload:

- activities that require direct participation of teachers:
15 h + 5 h = **20 h**

1 ECTS credit