

## THE CARD OF DESCRIPTION THE EDUCATION MODULE

Name of course/module <b>REGIONAL PLANNING</b>		Code <b>AU_K_2.2_001</b>
Main field of study <b>ARCHITECTURE AND URBAN PLANNING</b>		Education profile (general academic, practical) <b>general academic</b>
Year / Semester <b>I/2</b>		Course (core, elective) <b>core</b>
Specialization <b>-</b>		Language of course: <b>Polish</b>
Hours Lectures: <b>15</b> Classes:      Laboratory classes: Projects / seminars:		Number of points <b>1</b>
Level of qualification:  <b>II</b>	Form of studies (full-time studies/part-time studies)  <b>Full-time studies and part-time studies</b>	Education area(s)  <b>Technical Sciences</b>
		ECTS division (number and %) <b>1</b> <b>100%</b>
Course status in the study program (basic, directional, other)  <b>directional</b>		(general academic, from other field of study)  <b>general academic</b>
<b>Responsible for course/lecturer:</b>  <b>dr hab.inż.arch. Robert Ast</b> e-mail: arch.rast@gmail.com tel. 061 665-3270 Faculty of Architecture ul. Nieszawska 13 c, 60-965 Poznań tel.: 061-665-3255		<b>Responsible for course/lecturer:</b>  <b>Prof. dr hab. nt. Lech Zimowski</b> tel. 061 665-3270 Faculty of Architecture ul. Nieszawska 13 c, 60-965 Poznań tel.: 061-665-3255
<b>Prerequisites of knowledge, skills, social competences:</b>		
1	<b>Knowledge:</b>	<ul style="list-style-type: none"> <li>• Student has explicit, theoretically based knowledge including the key issues of architecture and urban planning,</li> <li>• Student has knowledge of development trends and the most important achievements in the field of architecture and urban planning and 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,</li> </ul>
2	<b>Skills:</b>	<ul style="list-style-type: none"> <li>• 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 the field of study being studied,</li> <li>• 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,</li> <li>• 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 the field of study,</li> <li>• 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 and design decisions</li> <li>• Student can prepare and present oral presentation of detailed issues of urban planning in Polish and foreign language.</li> </ul>

		<ul style="list-style-type: none"> <li>• Student can assess the usefulness and the possibility of using of new achievements (techniques and technologies) in the field of study being studied,</li> </ul>
3	<b>Social Competences:</b>	<ul style="list-style-type: none"> <li>• Student can work and cooperate in the group, assuming a number of different roles therein,</li> <li>• Student can respectively determine priorities for the execution of goals set by himself/herself or by others,</li> <li>• 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 manner commonly understood with the justification of different points of view.</li> <li>• Student is able to think and act in a creative and entrepreneurial manner.</li> </ul>

**Objective of the course:**

Student identifies social, economic, spatial relations in the large scale – continental, national, regional, subregional. Identification of physiographic, socio-economic, compositional values in regional scale using specific factors of regional development. Application by student 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:**

number (symbol)	Having completed the course, student can:	Reference to the outcomes of the learning process in the area of technical sciences
W01	Student has explicit, theoretically based knowledge of physical planning required to participation in the development of regional plans in the continental, national and local range	<b>AU2_W06</b>
W02	Student has knowledge of development of the settlement network in Poland, Europe and in the world	<b>AU2_W02</b>
W03	Student has knowledge required for the understanding of social, economic, legal and environmental determinants of development of local self-government and public administration	<b>AU2_W03</b>
W04	Student knows the basic methods, techniques, and tools used at process of preparation of regional plans; knows the rules of conduct and participation in public debate	<b>AU2_W10</b>

**Skills:**

number (symbol)	Having completed the course, student can:	Reference to the outcomes of the learning process in the area of technical sciences
U01	Student can acquire information from field specific literature, data bases and other properly selected sources in Polish and English, can integrate the	<b>AU2_U01</b>

	acquired information, interpret and critically assess the said information, as well as draw conclusions and come up with opinions supported with satisfactory reasons	
U02	Student can carry out analytical study of spatial resources of region, can make valorization of these resources and come up with respective conclusions on possible transformations	<b>AU2_U04</b> <b>AU2_U10</b>
U03	Student can, when formulating engineering tasks and solving them, put together the knowledge from other fields, related areas and apply the system approach, accounting for demographic, social, ecological and spatial determinants	<b>AU2_U05</b>
U04	Student can come up with improvements regarding the existing architectural, urban and regional spatial solutions in accordance with the principles of sustainable development, can provide convincing argument for the assumed solutions in a public debate	<b>AU2_U09</b>
U05	can prepare scientific elaboration in Polish and English, presenting his/her own research results	<b>AU2_U02</b>
<b>Social competences:</b>		
number (symbol)	Having completed the course, student can:	Reference to the outcomes of the learning process in the area of technical sciences
K01	can work on a task, comprising many different problems, in a responsible manner, individually and in a team, is aware of the responsibility for the tasks and the need for implementation within specified period	<b>AU2_K01</b>
K02	Student can think and act in an entrepreneurial and creative manner	<b>AU2_K02</b>
K03	observes the principles of professional ethics; is responsible for the reliability of the obtained results of his/her work and their interpretation	<b>AU2_K03</b>
K04	understands the need of continuous updating and supplementing his/her knowledge as well as the need of the improvement of professional and social competences	<b>AU2_K04</b>
K05	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	<b>AU2_K05</b>
<b>Methods of check the learning outcomes</b>		
colloquium		
The text elaboration on the assigned planning topic. A4 format.		
<b>Course contents</b>		
<ol style="list-style-type: none"> <li>1. Theories of regions and cities planning. Ecological habitat. Fundamentals of contemporary methodology of urban planning and space arrangement.</li> <li>2. Designing the settlement systems. Locations, habitats, houses – gardens in the models of transurbation, revitalization, theories of biomes.</li> <li>3. Ecological urban planning – models. The formula of ecological urban planning (Card of Poznań).</li> <li>4. Revitalization of small towns. Permanent and selective components of urban structures and agricultural and rural structures.</li> <li>5. Processes of inland transurbation and aquatic transurbation.</li> <li>6. Theories of biomes – natural, horticultural, habitat – summaries.</li> <li>7. Organization of physical planning in Poland and in the world.</li> <li>8. Contemporary composition of region, district, city.</li> <li>9. Organization of physical planning in European Union countries.</li> </ol>		

10. Development of settlement network. The issues of communication, traffic, connectivity in region.
11. Changes of Urban Planning Act.
12. Spatial transformations of cities and peripheries.
13. Examples of planning and design solutions.

**Basic bibliography:**

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.

**Complementary 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 workload of student**

<b>Form of activity</b>	<b>Hours</b>	<b>ECTS</b>
Total workload	25	1
Activities that require individual contact with the teacher	20	1
Activities of practical	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/final 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

Total workload 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**