SPATIAL PLANNING

Course Code/Course ID : Planowanie przestrzenne01PBUD_pNadGenFJLIU

Type of course: compulsory

Teaching language: English

Director of studies: dr hab. inż. Andrzej Greinert, prof. UZ

Name of lecturer: IEE teachers

Form of instruction	Number of teaching hours per semester	Number of teaching hours per week	Semester	Form of receiving a credit for a course	Points ECTS
Full-time studies					2
Lecture	15	1		Grade with notes	
Project	15	1		Grade with notes	

THE AIM OF THE LECTURE

Acquaint students with spatial planning and areas development as the starting point of environmental engineering activities and documentation. Education the ability to use plans and other documents as a tool of environment engineer's work.

ENTRY REQUIREMENTS

Formal: positive results from the units: Fundamentals of Earth Sciences, Fundamentals of Environmental Protection, Technical Drawing with the Geometry, Landscape Engineering, Basics of the Spatial Planning.

Informal: knowledge in geography, physiography, environmental science.

SCOPE OF COURSE TOPICS

The program of lectures: Basic concepts of space development (space, environment, spatial structure, nature and spatial planning units). Sources of planning. Spatial order. Sustainable development. Factors of planning. The division of competence in spatial planning. Spatial planning at the municipal level – Local Development Plan; Study of Conditions and Directions of Spatial Management, the decision of the zoning and land use, location of a public investments. Environmental engineering investments in spatial planning. Spatial planning and environmental tasks. Polish spatial policy against the contemporary development issues.

Program of projects: Development strategies and programs for municipal and urban areas. Environmental impact assessment, Eco-physiographic documentation, Environmental impact report. Study of Conditions and Directions of Spatial Management. Local Development Plan. Areas of infrastructure in selected municipal plans. Presentation of the internal and external relations, particularly in the field of communications, network infrastructure and investment..

TEACHING METHODS

Giving methods: lecture information – problem; analysis of the situation; debate.
Searching methods: problematic: exchange of ideas; situational: analyzing by the student group the actual situation of real site situations; design: Environmental documentation Creation to the Local Development Plan.

LEARNING OUTCOMES

Symbol	Learning outcomes after completion of the course. Student:	The reference to the effects of education in the field of technical sciences
Knowledge		
IS2A_W00	explains the concepts and rules and defines the tasks of planning	T2A_W02
IS2A_W00	presents the factors and describes the system of spatial planning in Poland	T2A_W02
IS2A_W00	shows the planning procedures in investment processes of environmental engineering	T2A_W04; InzA_W03
IS2A_W00	describes the environmental measures for planning	T2A_W04; InzA_W03
Skills		
IS2A_U00	distinguish between situations of spatial order and chaos	T2A_U15
IS2A_U00	recognize the conditions of planning solutions	T2A_U15
IS2A_U00	analyses the solutions planning at the municipal level	T2A_U15
IS2A_U00	identifies the problems to environmental engineering investments planning	T2A_U10; InzA_U03
IS2A_U00	reports and presents the results of research	T2A_U03; T2A_U04; InzA_U03
Social competence		
IS2A_K00	works in the local community for the improvement of areas development	T2A_K02; T2A_K03; InzA_K01
IS2A_K00	suggests entries relating to environmental engineering in municipal planning documents	T2A_K03; InzA_K01

ASSESSMENT CRITERIA

The basis for passing the project classes is the attendance at all classes, systematic preparation for each class; preparation and submission on time and passing the project.
Examination: the condition to take the exam is to obtain a positive grade from the laboratory exercises - the exam is in writing (2 problem questions, 2 accounting tasks).
Grading scale: 0 ÷ 50% - insufficient, 51 ÷ 60% - satisfactory, 61 ÷ 70% - satisfactory plus, 71 ÷ 80% - good, 81 ÷ 90% - good plus, 91 ÷ 100% - very good. The basis for determining the cumulative rating is the weighted average obtained by adding: 0.7 lecture scores, 0.3 grades from laboratory exercises. The weighted average is rounded to two decimal places. The total rating is based on the weighted average according to the rule: below 3.24 - sufficient, from 3.25 to 3.74 - satisfactory plus, from 3.75 to 4.24 - good, from 4.25 to 4.74 - a good plus, from 4.75 - very good.
The total mark for this course is the weighted average obtained by adding: 0.6 lecture grade and 0.4 evaluation from project classes.

SELF STUDENT'S WORK

Independent student work (set up to: classes, exams, reading literature, dissertations, projects, presentations, reports, speeches): 30 h;

Contact hours (classes, tutorials, exams, etc.): 30 h.

RECOMMENDED READING

1. Root J.B.: Fundamentals of landscaping and site planning. The AVI Publishing Company, Inc. Westport, Connecticut 1985
2. Morphet J.: Effective Practice in Spatial planning. The RTPI Library Series. Taylor and Francis, 2011
3. Larsson G.: Spatial Planning Systems in Western Europe. An Overview. IOS Press 2006
4. Williams R.H.: European Union Spatial Policy and Planning. Paul Chapman Publishing Ltd. 1996

5. Karlen M.: Space Planning Basics. Third Edition. John Wiley and Sons, Inc. 2009

OPTIONAL READING

1. National Development Strategy 2020. Ministry of Regional Development, Republic of Poland. http://www.mrr.gov.pl/english/Regional_Development/Development_Policy/NDS_2020/Documents/NDS%202020.pdf
2. National Spatial Development Concept 2030. Ministry of Regional Development, Republic of Poland. http://www.mrr.gov.pl/english/Regional_Development/Spatial_Policy/NSDC_2030/Documents/KPZK_2030_ENG_small.pdf
3. OECD Reports
4. Dühr S.: The Visual Language of Spatial Planning. Exploring cartographic representations for spatial planning in Europe. The RTPI Library Series. Taylor and Francis, 2007

REMARKS

In the following years will be presented the content of new planning legislation, studies of central bodies and revised acts of local development law, the knowledge / interpretation ability will be required.