



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Spatial Planning

### Course

Field of study

ARCHITECTURE

Area of study (specialization)

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Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

I/2

Profile of study

general academic

Course offered in

Polish/English

Requirements

compulsory

### Number of hours

Lecture

30

Laboratory classes

Tutorials

Projects/seminars

30

Other (e.g. online)

### Number of credit points

4

### Lecturers

Responsible for the course/lecturer:

dr hab. inż. arch. Robert Ast, prof. PP

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Responsible for the course/lecturer:

dr inż. arch. Bartosz Kaźmierczak

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### Prerequisites

-student has explicit, theoretically based knowledge including the key issues of urban planning and physical planning,

-student has basic knowledge of development trends in the scope of physical planning,

-student has knowledge required for the understanding of social, economic, legal and other determinants outside the engineering field of physical planning,

-student can acquire information from field specific literature, data bases and other properly selected sources, can integrate the acquired information, interpret as well as draw conclusions and come up with opinions supported with satisfactory reasons,



- student can carry out critical analysis of the manner of operation and assess the existing spatial solutions in commune scale,
- student can assess the content of written and graphical part of feasibility study of the local area urban planning,
- can work and cooperate in a team, assuming a number of different roles therein,
- correctly identifies and solves dilemmas in the scope of various spatial situations in the architectural and urban scale.

### Course objective

The course is aimed at promoting knowledge of physical planning and its application by local self-governments. The aim is understanding the organizational processes occurring during the accession to implementation of plan and during enacting the Master Plan. Learning and obtaining the ability in the scope of practical application of various planning factors and processes related to development of Master Plan. Implementation of theoretical knowledge takes place during practical classes.

- The course is aimed at promoting knowledge, understanding and obtaining skills in the scope of practical application of various planning factors and processes related to development of Master Plan.
- Classes are designed to encourage students to application of theoretical information from lectures and their reference to concrete spatial situation that requires individual treatment.
- Students observe what spatial effects – positive and negative, bring the specific design decisions and what is their impact on spatial development. They prepare the alternative plans and learn to make choices seeking optimal solutions for city development.
- The overriding assumption of course is presenting students the fundamental assumptions of Master Plan, techniques of directives preparation serving to the spatial development and impact of many factors on city development.

### Course-related learning outcomes

#### Knowledge

A.W3. spatial planning and spatial policy tools;

A.W4. records of local spatial development plans to the extent necessary for architectural design;

A.W8. the interdisciplinary nature of architectural and urban design and the need to integrate knowledge from other fields, as well as its application in the design process in cooperation with specialists in these fields.

#### Skills

A.U2. design a simple and complex urban complex;

A.U3. prepare planning studies concerning spatial development and interpret them to the extent necessary for designing in an urban and architectural scale;



- A.U5. evaluate the usefulness of advanced methods and tools for solving simple and complex engineering tasks, typical for architecture, urban planning and spatial planning, and select and apply appropriate methods and tools in design;
- A.U8. think creatively and act, taking into account the complex and multi-faceted conditions of design activity, as well as expressing own artistic concepts in architectural and urban design;
- A.U9. integrate information obtained from various sources, formulate their interpretation and critical, detailed analysis and draw conclusions from them, as well as formulate and justify opinions and demonstrate their relationship with the design process, based on the available scientific achievements in the discipline;
- A.U10. communicate with the use of various techniques and tools in a professional and interdisciplinary environment in the scope appropriate for architectural and urban design and spatial planning;
- A.U11. work individually and in a team, including with specialists from other industries, and take a leading role in such teams;
- A.U12. estimate the time needed to complete a complex project task;
- A.U13. formulate new ideas and hypotheses, analyze and test novelties related to engineering and research problems in the field of architectural and urban design and spatial planning;
- A.U15. implement the principles and guidelines of universal design in architecture, urban planning and spatial planning.

#### Social competences

- A.S2. speak and presentat publicly;
- A.S3. take the role of a coordinator of activities in the project process, manage work in a team and use interpersonal skills (resolving conflicts, negotiating skills, delegating tasks), comply with the rules of working in a team and take responsibility for joint tasks and projects;
- A.S4. take responsibility for shaping the natural environment and cultural landscape, including the preservation of the heritage of the region, country and Europe.

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:

Colloquium and text elaboration – A4 format.

Classes:

Forming evaluation: 2 or 3 reviews checking the progress of student work and/or defense in the forum of group.



Partial reviews checking the progress of student work – positive assessments from reviews are necessary to credit the course.

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

Final assessment is a sum of grades from reviews, substantive and graphic value of project and activity during classes, final review at the last classes – projects exhibition and presentation of design solutions in the forum of group.

Form of project: A3, A2, B2 boards and the CD with record of project (jpg. Format)

To get positive grade from course, student should meet the following conditions:

- design work has to be implemented according to above mentioned scope of development,
- the amount of absences may not exceed 30 % per semester,
- must be obtained the positive assessments from all 3 reviews,
- design work must be developed graphically in readable, aesthetic and innovative manner,

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

### Programme content

Lecture:

Concepts: physical planning, regional planning, urbanization, urban planning, rural planning.

Internal and external determinants of regions and cities development.

Contemporary urban planning in Poland in the aspect of effectiveness of Master Plan implementation

Study of feasibility and development directions of the commune.

Master Plans.

Organization of physical planning in Poland and in the world.

Contemporary composition of region, district, city.

Organization of physical planning in the European Union countries.

Development of settlement network.

Transformation of spatial management law.

Spatial transformations of cities and peripheries.

Examples of planning-design solutions.

Summary of current theoretical and practical knowledge in the scope of physical planning.



Classes:

### STAGE 1

Reference to guidelines of feasibility study of the local area urban planning. Determination of areas to Master Plan with indication of legal base and designation of boundaries their range according to categorization:

- Areas of obligatory preparation of Master Plan,
- Areas of implementation of public aims,
- Activation areas of service, public and commercial functions,
- Strategic areas with specific importance for city development.

### STAGE 2

Report and analysis of existing resources of area designed to Master Plan. Formulation of conclusions – guidelines and assumptions to concept of Master Plan.

- Report should include brief description (A4) relating to characteristics and specifics of selected place, photographic and drawing documentation (relating to building development, natural values, genius loci, the state of preservation)
- Functional and spatial analysis of area designed to local plan in the 1:1000 scale.

### STAGE 3

Project: Master Plan. Development of graphical part in the 1:1000 scale (possibly 1:2000 or 1:500), Implementation of plan concept, especially taking into account:

- boundaries of area included in local plan project,
- communication connections of area included in project of local plan with surroundings,
- functional connections of area included in project of local plan with surroundings.

Master Plan must include the following elements:

- Map extract from feasibility study of the local area urban planning with notation of boundaries of area included in local plan project;
- Determination of scope of text and drawing of local plan, record – numeral, letter and linear designations;
- Administrative boundaries;



- Boundaries of restricted areas and boundaries of their protected zones;
- Boundaries and designations of facilities and areas protected on the base of separate provisions, including mining areas as well as areas at risk of flooding and at risk of landslides of ground;
- Lines dividing areas with different purpose or various principles of management and their designations;
- Lines of building development and elements of designations of area spatial management.

#### STAGE 4

Analysis of existing building development and spatial concept of building development designed on area designated to Master Plan.

Implementation of statement of forms typical for building development of developed area in graphic and descriptive form with particular emphasis of such parameters as: height, colouring, facade materials, roofing and roof geometry, facades divisions etc. Implementation of spatial model of building development in graphic form.

#### Teaching methods

1. Lecture / problem session / lecture with a multimedia presentation.
2. design classes

#### Bibliography

##### Basic

- Ast R.: Kształtowanie regionów i miast. Wyd.PP. Poznań 2001
- Chmielewski J.M., Teoria urbanistyki w projektowaniu i planowaniu miast, Warszawa 2001
- Bohm A., Planowanie przestrzenne dla architektów krajobrazu, Kraków 2006
- Adams N., Cotella G., Nunes R., Territorial Development, cohesion and spatial planning. Knowledge and policy development in an enlarged EU. London, NY, 2012
- Rozporządzenie Ministra Infrastruktury z dnia 26 sierpnia 2003 r. w sprawie wymaganego zakresu projektu miejscowego planu zagospodarowania przestrzennego
- Ustawa z dnia 27 marca 2003 r. o planowaniu i zagospodarowaniu przestrzennym i nowelizacje.

##### Additional

- Ast R., Architektura w procesie inwestycyjnym, Poznań 1997



- Brzeski W., W kierunku miasta zwarteo [w:] Zwarta przebudowa polskich miast? Zarządzanie rozwojem miasta poprzez strategiczne gospodarowanie terenami, Zeszyty KIN, Kraków 2000
- Cichy- Pazder E., Humanistyczne podstawy kompozycji miast, Kraków 1998
- Gehl J., Gemzøe, New City Spaces, Copenhagen 2003
- Dąbrowska-Milewska G., URBAN PLANNING STANDARDS FOR RESIDENTIAL AREAS – CHOSEN ISSUES, Architecture et Artibus, 2010

### Breakdown of average student's workload

	Hours	ECTS
Total workload	60	2,0
Classes requiring direct contact with the teacher	33	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	27	1,0

<sup>1</sup> delete or add other activities as appropriate