STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Fundamentals of Town Planning and Architecture**		Code **1010104131010130070**
Field of study **Civil Engineering First-cycle Studies**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 3**
Elective path/specialty **-**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **part-time**	

No. of hours				No. of credits
Lecture: **10** Classes: **-** Laboratory: **-** Project/seminars: **-**				**1**

Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**

Education areas and fields of science and art **technical sciences** **Technical sciences**	ECTS distribution (number and %**)** **1 100%** **1 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	No prerequisites
2	**Skills**	Ability to see the context and analyse the engineering problem in its socio-economic, geopolitical and historical environments
3	**Social competencies**	Realisation of the need for continuous life-long learing to keep the knowledge and skills up-to-date

Assumptions and objectives of the course:

Transfer of basic knowledge in the area of architecture and urban design as a context for engineer's profession, as well as typical tasks/problems appearing in the engineering of the built and natural environments

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student knows the principal objectives of architecture and urban design together with the means used to achieve them - [K_W06, K_W09, K_W17]

2. Student knows and understands the role of structural solutions, building systems and materials, formal and functional designs in the history of building and architecture - [K_W09, K_W13, K_W14, K_W17]

3. Student knows and understands relationships between architecture and urban design, and their interactions with organisational, technical and economic possibilities - [K_W15, K_W16, K_W17]

Skills:

1. Student can recognise the basic styles characterising buildings in a given historical period - [K_U14, K_U17, K_U20]

2. Student can identify most important achievements in history of architecture and urban design - [K_U17]

3. Student can analyse architecture and urban design as symptoms of needs and investor - [K_U17, K_U20]

Social competencies:

1. Student understands the need of team effort in solving theoretical and practical problems - [K_K01, K_K08, K_K09, K_K10]

2. Students can see the need for continuing to increase the depth and breadth of their knowledge - [K_K03, K_K06, K_K07]

Assessment methods of study outcomes

Final test: pisemny (41 questions), multiple choice, 22 minutes

Skala ocen:	more than 78/84 points, excellent
	72--78, very good (A)
	64--70, good+ (B)
	56--62, good (C)
	48--54, satisfactory+ (D)
	39--47, satisfactory (E)
	less than 39/84, fail (F)

Continuous assessment of progress made by students, their activity in gaining knowledge/skills

Course description

-Basic terminology (urban design, spatial planning, spatial economics, technical infrastructure, ? , architecture and its components: form, structure and function, architectural styles)

-Architecture and urban design as a response to environmental challenges

-Urbanisation and accompanying environmental phenomena

-Objectives and legal basis for spatial planning and economics

-Studies and analyses in spatial planning

-Principles of allocating functions in urban areas (parameters, standards urban standards)

-Technical infrastructure in spatial planning

-Principles of spatial situating of infrastructure

-Objectives and means of architectural design

-History of architecture vs. technological developments

Basic bibliography:

1. Broniewski T Historia architektury dla wszystkich wyd. II, Ossolineum, Wrocław 1980

2. Chmielewski JM Teoria urbanistyki w projektowaniu i planowaniu miast Wyd. Politechniki Warszawskiej, W-wa 2001

3. Czarnecki W Planowanie miast i osiedli t.I-VI, PWN, W-wa 1965

4. Dobrowolski T Sztuka polska Wyd. Literackie, Kraków 1974

5. Koch W Style w architekturze Świat Książki, W-wa 1996

6. Watkin D Historia architektury zachodniej Arkady, W-wa 2006

7. Wróbel T Zarys historii budowy miast Ossolineum, Wrocław 1971

Additional bibliography:

1. Biegański P U źródeł architektury współczesnej PWN, W-wa 1972

2. Charytonow E Zarys historii architektury wyd. VII, WSiP, W-wa 1978

3. D?Alfonso E i Samss D Historia architektury Arkady, W-wa 1997

4. Dobrowolski T Sztuka polska Wyd. Literackie, Kraków 1974

5. Domański T Strategiczne planowanie rozwoju gospodarczego gminy Arkady, W-wa 2000

6. Estreicher K Historia sztuki w zarysie wyd. VII PWN, W-wa 1986

7. Karpowicz M Barok w Polsce Arkady, W-wa 1988

8. Latour S i Szymski A Rozwój współczesnej myśli architektonicznej PWN, W-wa 1985

9. Llera RR Historia architektury Buchmann, Hamburg 2008

10. Lorentz S i Rottermund, A Klasycyzm w Polsce Arkady, W-wa 1984

11. Maik W Podstawy geografii miast Wyd. UMK, Toruń 1992

12. Regulski J Planowanie miast PWE, W-wa 1986

13. Rutkowski S Planowanie przestrzenne obszarów wypoczynkowych w strefie dużych miast PWN, W-wa 1975

14. Styrna-Bartkowiczowa K i Szafer TP Ekologia środowiska mieszkaniowego Ossolineum, K-ów 1977

15. Szczygielski K Zarządzanie przestrzenią Wyd. WSZiA, Opole 2003

16. Świechowski Z Sztuka romańska w Polsce Arkady, W-wa 1982

17. Fletcher, B A history of architecture 20th ed. Architectural Press, Oxford 1996

18. Kostof, S A history of architecture 2nd ed. Oxford University Press 1995

Result of average student's workload

Activity	Time (working hours)
1. Participating in lectures	10
2. Studying the source materials (literature, internet etc.)	10
3. Preparation for the final test	5

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	25	1
Contact hours	10	1
Practical activities	0	0