STUDY MODULE DESCRIPTION FORM

Name of the module/subject **History of Civil Engineering and Architecture**		Code **1010135221010130003**
Field of study **Enviromental Engineering Extramural Second-**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 2**
Elective path/specialty **Water Suply, Water Soil Protection**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **part-time**	
No. of hours Lecture: **15** Classes: **-** Laboratory: **-** Project/seminars: **-**		No. of credits **2**
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 %) **2 100%** **2 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	No prerequisites
2	**Skills**	Appreciation of external conditions and ability to analyse engineering problems in their socio-economic, geopolitical and historical contexts
3	**Social competencies**	Awareness of the need for life-long learning to update and broaden one?s knowledge and skills; ability to work in teams

Assumptions and objectives of the course:

-Transfer of basic knowledge on history of architecture as a process involving gradual development of technical knowledge and skills in area of building as well as a context for the building engineer?s profession, and a background of typical tasks/problems appearing in built/natural environment engineering

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

Knowledge:

1. Student knows principal periods in history of architecture and building and their characteristics - [K2_W02, K2_W05, K2_W08]
2. Student knows most important achievements in the areas of architecture and building for a given period - [K2_W02, K2_W05, K2_W08]
3. Student knows interrelationships between architecture development stage and the period?s geopolitical background - [K2_W02, K2_W05, K2_W08]

Skills:

1. Student can recognise the principal traits characterising a given period in the history of architecture and building - [K2_U01]
2. Student can describe the role of structural, material, formal and functional solutions in the history of architecture and building - [K2_U01, K2_U10]
3. Student can analyse architecture and building as an expression of needs and abilities of a given development period - [K2_U01, K2_U05, K2_U10]

Social competencies:

1. Student understands the need for team effort in solving practical and theoretical engineering problems - [K2_K01, K2_K03, K2_K04, K2_K07]
2. Student can see the need of continuous broadening and enhancement of their competencies beyond their narrowly defined area of study - [K2_K01, K2_K02, K2_K04]

Assessment methods of study outcomes

-Final test: written (41 questions), multiple choice, 42 minutes

Grading scale:
- more than 78/80 points, excellent (A)
- 72-78, very good (A)
- 64-70, good+ (B)
- 56-62, good (C)
- 48-54, pass+ (D)
- 39-47, pass (E)
- less than 39/80, fail (F)

Continuous monitoring of student cooperation and their pro-active stance in gaining skills and knowledge

Course description

-Basic terminology ? architecture and its components form, structure and function, architectural styles
-Architecture as a response to(broadly defined) environmental challenges
-Objectives and means of architectural design
-Developments in architecture and a role played by technical issues
-Styles in architecture
-Architectural elements and details
-Building materials
-Structural and material solutions through the ages
-Developments in construction technologies
-Builders? organisations and professional issues in building

Basic bibliography:

1. Broniewski T Historia architektury dla wszystkich wyd. II, Ossolineum, Wrocław 1980
2. Dobrowolski, T Sztuka polska Wyd. Literackie, Kraków 1974
3. Koch, W Style w architekturze Świat Książki, W-wa 1996
4. Watkin D Historia architektury zachodniej Arkady, W-wa 2006

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. Estreicher K Historia sztuki w zarysie wyd. VII, PWN, W-wa 1986
5. Karpowicz M Barok w Polsce Arkady, W-wa 1988
6. Latour S i Szymski A Rozwój współczesnej myśli architektonicznej PWN, W-wa 1985
7. Llera RR Historia architektury Buchmann, Hamburg 2008
8. Lorentz S i Rottermund, A Klasycyzm w Polsce Arkady, W-wa 1984
9. Świechowski Z Sztuka romańska w Polsce Arkady, W-wa 1982
10. Wróbel T Zarys historii budowy miast Ossolineum, Wrocław 1971
11. Fletcher, B A history of architecture 20th ed. Architectural Press, Oxford 1996
12. Kostof, S A history of architecture 2nd ed. Oxford University Press 1995

Result of average student's workload

Activity	Time (working hours)
1. Participation in lectures	15
2. Source studies (literature, internet etc.)	15
3. Preparing for the final test	10

Student's workload

Source of workload	hours	ECTS

Total workload	40	2
Contact hours	15	1
Practical activities	0	0