

THE CARD OF DESCRIPTION THE EDUCATION MODULE				
Name of course/module <b>HISTORY OF GENERAL AND POLISH ARCHITECTURE 3</b>			Code <b>AU_K_1.4_001</b>	
Main field of study <b>ARCHITECTURE AND URBAN PLANNING</b>		Education profile (general academic, practical) <b>general academic</b>	Year / Semester <b>II/4</b>	
Specjalization -		Language of course: <b>Polish</b>	Course (core, elective) <b>core</b>	
Hours Lectures: <b>30</b> Classes: -    Laboratory classes: <b>15</b> Projects / seminars: -			Number of points <b>3</b>	
Level of qualification: <b>I</b>	Form of studies (full-time studies/part-time studies) <b>Full-time studies</b>	Education area(s) <b>Technical Sciences</b>	ECTS division (number and %) <b>3      100%</b>	
Course status in the study program (basic, directional, other) <b>basic</b>		(general academic, from other field of study) <b>directional</b>		
<b>Responsible for course:</b> <b>dr inż. arch. Barbara ŚWIT JANKOWSKA</b> e-mail: barbara.swit-jankowska@put.poznan.pl tel: 665-3285 Faculty of Architecture ul. Nieszawska 13C, 60-965 Poznań tel: 665-3260		<b>Lecturer:</b> <b>mgr inż. arch. Agnieszka RUMIEŹ</b> e-mail: agnieszka.rumiez@put.poznan.pl tel: 665-3285 Faculty of Architecture ul. Nieszawska 13C, 60-965 Poznań tel: 665-3260		
<b>Prerequisites of knowledge, skills, social competences:</b>				
1	<b>Knowledge:</b>	<ul style="list-style-type: none"> <li>▪ basic knowledge of general history</li> <li>▪ basic knowledge of history of architecture and urban planning: from prehistoric period till the end of 18th century</li> <li>▪ basic knowledge in the understanding of social, economic, legal and other determinants outside the engineering activity of historical process</li> </ul>		
2	<b>Skills:</b>	<ul style="list-style-type: none"> <li>▪ the use of available sources of information, including electronic sources</li> <li>▪ student has the ability to correctly conclude on the basis of data from different sources</li> <li>▪ student knows the basic of descriptive geometry</li> </ul>		
3	<b>Social competences:</b>	<ul style="list-style-type: none"> <li>▪ understanding of the need to broaden the competences, readiness to work together in a group</li> </ul>		
<b>Objective of the course:</b>				
<ol style="list-style-type: none"> <li>1. The course realizes students the continuity of European architectural tradition in the plane of evolution of the needs, technique and beauty in the crucial period of the late 18<sup>th</sup> century and 19<sup>th</sup> century and the beginnings of 20<sup>th</sup> century (around 1750-1945),</li> <li>2. Defines relations between the technical capabilities, which has arisen as a result of industrial revolution and the new directions of architecture development,</li> <li>3. The course draws attention to the origin of new trends in history of architecture the 19<sup>th</sup> century, which led to the development of modern architecture and acquaints with the most important in the discussed period works of art, creators and theories of European and American architecture,</li> </ol>				

<ol style="list-style-type: none"> <li>4. Teaches about unchangeable rules of creative thinking and enquiry to new functional, technical and formal solutions,</li> <li>5. Allows to learn basic issues related to the urban and architectural composition,</li> <li>6. Realizes work in a small group, develops interpersonal skills and finding the students in the different roles, it's a platform to practice the skills of building analysis from different periods,</li> <li>7. Provides a comparative assessment of the methods of graphical presentation self-work and colleagues,</li> <li>8. Develops the necessary professional vocabulary and increases the ability to formulate and confront the individual views in the forum of group.</li> </ol>		
<b>Learning outcomes</b>		
<b>Knowledge:</b>		
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 including the key issues of the history of general and Polish architecture in period from the beginning of the 19 <sup>th</sup> century till the mid-20 <sup>th</sup> century	AU1_W01
W02	student has a theoretically based and detailed knowledge of selected issues of the history of general and Polish architecture in period from the beginning of the 19 <sup>th</sup> century till the mid-20 <sup>th</sup> century	AU1_W12
W03	student has a basic knowledge on modern trends and most important achievements in the history of general and Polish architecture in period from the beginning of the 19 <sup>th</sup> century till the mid-20 <sup>th</sup> century	AU1_W02
W04	student has the basic knowledge in the understanding of social, economic, legal and other determinants outside the engineering activity of historical process in period from the beginning of the 19 <sup>th</sup> century till the mid-20 <sup>th</sup> century	AU1_W03
<b>Skills:</b>		
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 publications, data bases and other Polish and English sources, can interpret the said information and draw conclusions as well as voice and justify opinions	AU1_U01
U02	student can prepare and present the oral presentation on issues related to the history of architecture in Polish and English	AU1_U03
U03	student can prepare a well-documented problems elaboration on issues related to the history of architecture in Polish and English, which present his/her own the scientific research results	AU1_U03
U04	student has self-education skills	AU1_U02
U05	Student can work independently and can cooperate in a team, also can manage his/her time and undertake commitments and keep deadlines	AU1_U04

<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	student understands the need of continuous self-education, improvement of professional, personal and social competences	AU1_K03
K02	student is aware of the importance of non-technical aspects and effects of design activities, in this impact upon the cultural environment and liability for environment affecting decisions	AU1_K05
K03	student can work over a set task independently and can cooperate in a team, assuming a number of different roles therein; demonstrates responsibility in the work performance	AU1_K01
K04	student observes the principles of professional ethics; is responsible for the reliability of the obtained results of his/her work and their interpretation	AU1_K02
K05	student can think and act in an entrepreneurial manner	AU1_K07
<b>Methods of check the learning outcomes:</b>		
<p><b>A series of lectures</b> of History of General and Polish Architecture 3 ends with the exam. Students get a list of current exam issues and drawing topics. There is proposed zero term and two terms of exam in the session, but the second term is resit examination. The exam of the History of General and Polish Architecture 3 course is written. The integral part of exam is drawing skills test. The condition for admission to exam of the History of General and Polish Architecture 3 are credited laboratory classes of this course with confirmation in the index.</p> <p><b>Laboratories</b> of History of General and Polish Architecture 3 take the issue of changes in historical space of the city, which took place in 19<sup>th</sup> century exemplified by Poznań. A series of classes includes authorial presentations of students (concerning the selected parts of the city), each closed discussion about the most important problems raised by the authors and methods and techniques of self-presentation. Presentations prepared by the students on the basis of individual consultations with the teacher. Both merits value of presentation as well the way its presentation in the forum of group are assessed. Activity of students during discussion is important for classes process and acquire the social skills. This allows the teacher to assess the current understanding the discussed problems by each student. Additionally the active participation in discussion allow to develop the necessary vocabulary and increases the ability to formulate and confront the individual views in the forum of group. Presentations are assessed at the end of each classes. Student parallel prepares individual own term paper, which makes it possible to carry out research work. The need for a graphical presentation of the final results, makes synthesizing decisions and improve technical and graphic student workshop. During the semester may be announced test. The final laboratory grade is average of partial grades: assessment the merits of presentation, assessment the way of presentation, assessment of activity during classes and assessment of semester work.</p>		
<p><b>Forming evaluation:</b></p> <ul style="list-style-type: none"> <li>▪ assessment of knowledge and presentation in the forum of group, joint analysis and discussion</li> <li>▪ assessment of presented report with conclusions to discussion</li> <li>▪ presentation on CD with detailed draft and detailed bibliography</li> <li>▪ participation in discussions and formulate the final conclusions.</li> </ul>		

Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

**Summary score:**

- the grade from written exam is average of partial grades (knowledge and drawing skills)

Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

**Course contents**

**Lectures:**

1. Discussion of conducting lectures methods and rules for passing the course. The Industrial Revolution in England. Causes, effects. The Industrial Revolution in Europe.
2. The iron in architecture. The first bridges. Discussion of basic types of bridge constructions. The most important examples. The early frame building construction. Libraries designed by Labroust.
3. Architecture of iron and glass. Galleries and botanical gardens. Railway stations.
4. The large world exhibitions. London. Paris. The architecture of exhibition pavilions.
5. The urban planning in the USA. Early American building construction – *balloon frame*.
6. The Chicago school. New York.
7. The reinforced concrete in architecture. The first reinforced concrete constructions. Bridges.
8. Architectural activity of Perret. Arts and Craft movement.
9. Arts and Craft movement. Secession. England, Belgium, France, Spain, Germany.
10. Secession in Slav countries. Polish architecture.
11. The functionalism - A. Loos, Deutsche Werkbund, Bauhaus.
12. Ludwig Mies van der Rohe. Discussion of life and architectural and theoretical creativeness.
13. Le Corbusier. Discussion of life and architectural and theoretical creativeness.
14. Expressionism in architecture. De Stijl.
15. The organic architecture. Frank Lloyd Wright. The Futurism.
16. The constructivism. The fascist architecture.
17. Summary of the classes. Complementary of lectures topics.

**Seminars:**

1. Classes introducing in the course topics. Development of Poznań from the earliest times till the end of 20<sup>th</sup> century. Division of work in the semester. Selection of presentation topics. Selection of topics of semester works.
2. Presentations on: *St. Martin Street; Karol Marcinkowski Avenues – from St. Martin Street to the National Museum; Karol Marcinkowski Avenues – from Solna Street to Paderewski Street; the Liberty Square*. Discussion. Presentation assessment. Assessment of students activity during discussion.
3. Presentations on: *Gwarna Street – from St. Martin Street to Rotunda; Cyryl Ratajski Square; December 27<sup>th</sup> Street – theatre, from F. Ratajczak Street to Rotunda; Paderewski St. - from Karol Marcinkowski Avenues to Old Market*. Discussion. Presentation assessment. Assessment of students activity during discussion.
4. Presentations on: *Wielkopolski Market; from Maształerska to Solna Street – old Wolnica square; Kolegiacki square; the Spring of Nations square (Świętokrzyski square)*. Discussion. Presentation assessment. Assessment of students activity during discussion.
5. Presentations on: *Podgórna Street; „Gate of Berlin” – St. Martin Street; Wildecki Market (Górna Wilda, Przemysłowa Street); Jeżycki Market*. Discussion. Presentation assessment. Assessment of students activity during discussion.
6. Presentations on: *Bridges of Poznań; Kościelna Street (from H. Dąbrowski Street to railroad tracks); Dąbrowski Street (from Roosevelt Street to Jeżycki Market); Fredro Street (from Theatre Bridge to Rotunda)*. Discussion. Presentation assessment. Assessment of students activity during discussion.
7. Presentations: Lipowe housing estate (Kolejarzy); Dębiec - Wilda; Winogrody; *individual topic accepted by the teacher*. Discussion. Presentation assessment. Assessment of students activity during discussion.
8. Giving back semester works. Presentation of semester works and assessment. The summary of classes

**Basic bibliography:**

1. Banham Reyner; *Rewolucja w architekturze*; Wydawnictwa Artystyczne i filmowe; Warszawa, 1979;

2. Biegański Piotr; *U źródeł architektury współczesnej*; PWN; Warszawa, 1977;
3. Frampton K., *Modern Architecture: a critical history*, 1992 /2000;
4. Jaroszewski Tadeusz S.; *Od klasycyzmu do nowoczesności*; PWN; 1996;
5. Pevsner Nikolaus; *Historia architektury europejskiej*; Arkady; Warszawa 1980; Tom II ;
6. Watkin David; *Historia architektury zachodniej*; Arkady; Warszawa, 2001.

**Complementary bibliography:**

1. Banham R., *Rewolucja w architekturze*; Wydawnictwa Artystyczne i filmowe; Warszawa, 1979
2. Benevolo L., *Die Geschichte der Stadt*, Campus, Frankfurt-New York, 2000
3. Benevolo L., *Histoire de l'architecture moderne*; 1. La revolution industrielle; Espace & Architecture, Dunod; Paris, 1978
4. Broniewski T., *Historia architektury dla wszystkich*; Ossolineum; Wrocław 1990
5. Crawford A., *Charles Rennie Mackintosh*; Thames&Hudson; London 1995
6. d'Alfonso E., Samss D.; *Historia Architektury*; Arkady; 1997
7. Fletcher B., *Key Monuments of Architecture*; Phaidon; New York 1998
8. Giedion S., *Czas, przestrzeń, architektura – narodziny nowej tradycji*; Arkady, Warszawa 1968
9. Ikonnikow A.W., *Od architektury nowoczesnej do postmodernizmu*; Arkady; W-wa 1988
10. Miłobędzki A., *Zarys dziejów architektury w Polsce*; Arkady; 1968
11. Naylor G., *Bauhaus*; WAI F; Warszawa 1977
12. Ostrowska-Kęłbłowska Z., *Architektura i budownictwo w Poznaniu w latach 1780- 1880*; Warszawa, 1982
13. Overy P., *De Stijl*; WAI F, Warszawa 1979
14. Skuratowicz J., *Architektura Poznania 1890- 1918*; Wydawnictwo Naukowe UAM; Poznań 1991
15. Tołoczko Z., „*Sen architekta*” czyli o historii i historyzmie architektury XIX i XX wieku; Wydawnictwo Politechniki Krakowskiej; Kraków 2002
16. Turowski A., *W kręgu konstruktywizmu*; WAI F; W-wa 1979
17. Whitford F., *Bauhaus*; Thames&Hudson; London 2003
18. Wisłocka I., *Awangardowa architektura polska 1918-1939*; Arkady; 1968
19. Wujek J., *Mity i utopie XX wieku*; Arkady; Warszawa 1986

**The workload of student**

Form of activity	Hours	ECTS
Total workload	89	3
Activities that require individual contact with the teacher	49	2
Activities of practical	38	1

**Balance the workload of the average student**

Form of activity	Number of hours
participation in lectures	30 h
participation in classes/ laboratory classes (projects)	15 h
preparation for classes/ laboratory classes	6 x 2 h = 12 h
preparation to colloquium/final review	8 h
participation in consultation related to realization of learning process	3 x 1 h = 3 h
preparation to the exam	20 h
attendance at exam	1 h

**Total workload of student:                      3 ECTS credits                      89 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

30 h + 15 h + 3 h + 3 h = **49 h**

**1,7 ≈ 2 ECTS credits**