

COURSE DESCRIPTION CARD				
The name of the course/module <b>HISTORY OF GENERAL AND POLISH ARCHITECTURE 3</b>				Code <b>A_K_1.4_001</b>
Main field of study <b>ARCHITECTURE</b>		Educational profile (general academic, practical) <b>general academic</b>	Year / term <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>	Educational area(s)  <b>Technical Sciences</b>	ECTS distribution (number and %)  <b>3            100%</b>	
Course status in the studies' program (basic, directional, other) <b>directional</b>		(general academic, from a different major) <b>general academic</b>		
<b>Lecturer responsible for course:</b>  <b>dr inż. arch. Barbara Świt-Jankowska</b> e-mail: barbara.swit-jankowska@put.poznan.pl Faculty of Architecture ul. Nieszawska 13A, 61-021 Poznań tel. 61 665 33 05		<b>Lecturer:</b>  <b>mgr inż. arch. Agnieszka Rumieź</b> e-mail: agnieszka.rumiez@put.poznan.pl Faculty of Architecture ul. Nieszawska 13A, 61-021 Poznań tel. 61 665 33 05		
<b>Prerequisites defined in terms 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 18<sup>th</sup> 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 teamwork</li> </ul>		
<b>Objective of the course:</b>				
<ul style="list-style-type: none"> <li>- Presentation of 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>- Defines relations between the technical capabilities, which has arisen as a result of industrial revolution and the new directions of architecture development,</li> <li>- 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 presents the most works of art, creators and theories of European and American architecture important in the discussed period,</li> <li>- Teaches about unchangeable rules of creative thinking and enquiry to new functional, technical and formal solutions,</li> <li>- Allows to learn basic issues related to the urban and architectural composition,</li> <li>- Realizes work in a small group, developing 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>- Provides a comparative assessment of the methods of graphical presentation self-work on the forum of group,</li> <li>- Develops the necessary professional vocabulary and increases the ability to formulate and confront the individual ideas in the forum of group.</li> </ul>				

<b>Learning outcomes</b>		
<b>Knowledge:</b>		
W01	student has explicit, theoretically based knowledge including the key issues and has 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_W01
W02	student has basic knowledge in the understanding of social, historical, natural, economic, organizational, legal and other determinants outside the engineering activity and has basic knowledge of quality management	AU1_W03
<b>Skills:</b>		
U01	student can acquire information from publications, data bases and other Polish and English sources, can integrate and interpret the said information and draw conclusions as well as voice and justify opinions	AU1_U01
U02	student can prepare and present oral presentations as well as a well-documented elaborations on issues related to architecture and town planning in Polish and English	AU1_U03
<b>Social competences:</b>		
K01	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
K02	student can think and act in an entrepreneurial manner	AU1_K07
<b>The evaluation methods:</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.</p> <p>The exam of the History of General and Polish Architecture 3 course is written. The integral part of exam is drawing skills test.</p> <p>The condition for admission to exam of the History of General and Polish Architecture 3 are credited laboratory classes of this course.</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.</p> <p>A series of classes includes authorial presentations of students (concerning the selected parts of the city), each closed by discussion about the most important problems raised by the authors and methods and techniques of self-presentation. Students prepare presentation 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 and for acquiring social skills. On the basis of students activity teacher can assess the current understanding of 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.</p> <p>Presentations are assessed at the end of each classes.</p> <p>Student parallel prepares individual 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.</p> <p>During the semester may be announced test. The final laboratory grade is an average of partial grades: assessment for the merits of presentation, assessment for the way of presentation, assessment for activity during classes and assessment of term work.</p>		
<b>Formative assessment:</b>		
<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 formulating the final conclusions.</li> </ul> <p>Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0</p>		
<b>Summative assessment:</b>		
<ul style="list-style-type: none"> <li>▪ the grade for written exam is an average of partial grades (knowledge and drawing skills)</li> </ul> <p>Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0</p>		
<b>Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus.</b>		

## 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 contents.

### Seminars:

1. Classes introducing in the course topics. Development of Poznań from the earliest times till the end of 20<sup>th</sup> century. Distribution of work in the semester. Selection of presentation topics. Selection of term works topics.
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; Winogrady; *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.

### Supplementary 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*; WAiF; Warszawa 1977
12. Ostrowska-Kęłłowska Z., *Architektura i budownictwo w Poznaniu w latach 1780- 1880*; Warszawa, 1982
13. Overy P., *De Stijl*; WAiF, Warszawa 1979
14. Skuratowicz J., *Architektura Poznania 1890- 1918*; Wydawnictwo Naukowe UAM; Poznań 1991

15. Tołoczek Z., „*Sen architekta*” czyli o historii i historyzmie architektury XIX i XX wieku; Wydawnictwo Politechniki Krakowskiej; Kraków 2002  
 16. Turowski A., *W kręgu konstruktywizmu*; WAiF; 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 student workload**

Form of activity	Hours	ECTS
Overall expenditure	89	3
Classes requiring an individual contact with teacher	49	2
Practical classes	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

**Overall expenditure 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**