

<b>THE CARD OF DESCRIPTION THE EDUCATION MODULE</b>			
Name of course/module <b>THEORY AND PRINCIPLES OF DESIGNING HEALTH SERVICE UNITS</b>		Code <b>AU_K_2.1_001</b>	
Main field of study <b>ARCHITECTURE AND URBAN PLANNING</b>		Education profile (general academic, practical) <b>general academic</b>	Year / Semester <b>I/1</b>
Specialization <b>-</b>		Language of course: <b>Polish</b>	Course (core, elective) <b>core</b>
Hours Lectures: <b>15</b> Classes: <b>-</b> Laboratory classes: <b>-</b> Projects / seminars: <b>-</b>			Number of points <b>1</b>
Level of qualification:  <b>II</b>	Form of studies (full-time studies/part-time studies)  <b>Full-time studies and part-time studies</b>	Education area(s)  <b>Technical Sciences</b>	ECTS division (number and %)  <b>1      100%</b>
Course status in the study program (basic, directional, other) <b>Directional</b>		(general academic, from other field of study) <b>-</b>	
<b>Responsible for course:</b> <b>prof. PP dr hab. inż. arch. E. Pruszewicz - Sipińska</b> e-mail: tel. 061 665 33 05 Faculty of Architecture ul. Nieszawska 21 c, 60-965 Poznań tel.: 061 665 33 05		<b>Lecturer:</b> <b>dr inż. arch. Jacek Gałkowski</b> e-mail: jacekgalkowski@wp.pl Faculty of Architecture ul. Nieszawska 21C, 60-965 Poznań tel.: 061 665 33 05	
<b>Prerequisites of knowledge, skills, social competences:</b>			
1	<b>Knowledge:</b>	<ul style="list-style-type: none"> <li>▪ student has basic knowledge of art., architecture and urban planning,</li> <li>▪ student knows the basic methods, techniques, tools and materials used at solving simple engineering tasks of architecture and urban planning,</li> <li>▪ student knows basic principles and trends in designing the service facilities,</li> </ul>	
2	<b>Skills:</b>	<ul style="list-style-type: none"> <li>▪ student can acquire information from field specific literature, data bases and other properly selected sources in Polish and English, can integrate the acquired information, interpret as well as draw conclusions and come up with opinions supported with satisfactory reasons,</li> <li>▪ student has self-education skills,</li> <li>▪ student can use IT techniques, including artistic means, respectively to the performance of tasks typical for designing architectural composition, single family housing,</li> <li>▪ student can identify a design problem and on the basis thereof, can draw up specification of practical tasks in the scope of conceptual project of middle single family house,</li> </ul>	
3	<b>Social competences:</b>	<ul style="list-style-type: none"> <li>▪ student understands the need for lifelong learning; can inspire and organize process of learning other people,</li> <li>▪ student can think and act in an entrepreneurial, creative and innovative manner.</li> </ul>	
<b>Objective of the course – lectures:</b>			
<ul style="list-style-type: none"> <li>▪ familiarize with the latest trends of contemporary architecture,</li> </ul>			

<ul style="list-style-type: none"> <li>▪ knowledge of the latest implementations of Polish and foreign architectural works,</li> <li>▪ knowledge of detailed issues related to designing an architectural composition and future visions related to its designing</li> <li>▪ knowledge of the latest tools and materials useful in presentation his/her own architectural creativeness.</li> </ul>		
<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 designing health service facilities.	AU2_W03
W02	Student has knowledge of development trends and most important new achievements in designing public buildings, especially hospitals and health service facilities.	AU2_W05
W03	student has basic knowledge of useful lives of structural facilities and their technical infrastructure systems.	AU2_W06
<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 communicate using different IT techniques in the professional environment in Polish and English.	AU2_U02
U02	Student can prepare and present oral presentations on issues related to history of architecture in Polish and English.	AU2_U03
U03	Student can carry out critical analysis of the manner of operation and assess – especially in relation to field of study being studied – the existing technical solutions in particular the architectural facilities.	AU2_U14
U04	Student can determine directions of further education and realize the self-education process.	AU2_U05
<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 for lifelong learning; can inspire and organize process of learning other people.	AU2_K01
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.	AU2_K02
K03	Student is aware of social role of architectural studies graduate, especially understands the needs of formulation and communication to the public, especially by mass media, information and opinions on architectural achievements.	AU2_K07

K04	Student can think and act in an entrepreneurial, creative and innovative manner.	AU2_K06
<b>Methods of check the learning outcomes</b>		
<u>Methods of check the learning outcomes - lectures:</u>		
The credit condition is obtain positive grade from final exam.		
Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0		
<b>Course contents</b>		
<ul style="list-style-type: none"> <li>▪ Introduction. System of health protection and social welfare in Poland. The network structure and programming the health care facilities, satellite facilities of extramural care / daily hospitals, health service centers.</li> <li>▪ Location and principles of land management. Functional and spatial layouts of hospitals. Man as an object of design, patient-friendly hospital.</li> <li>▪ Patients wards, nursing sections, functional schemas. Rooms with beds in hospitals. New trends in interior arrangement.</li> <li>▪ Diagnostic and treatment departments in hospital. Surgical teams, X-ray. Coordination of technological requirements, modular grid of structural and distribution systems of installation vertically and horizontally. Discussion of selected examples of completed hospitals.</li> <li>▪ Management of health resort area – functional zones, tourism of a health resort; sanatoriums with devices to balneotherapy, physiotherapeutic facilities. Complexes of cabins for medicinal baths – functional layouts. Discussion of completed sanatoriums conceptions among others in Ciechocinek.</li> <li>▪ Indoor and outdoor baths, sports and recreational swimming pools, technical parameters. Cabin complexes for changing in baths – functional layouts. Discussion of completed conceptions in Jonkoping / S / baths.</li> <li>▪ Architectural and urban planning determinants of living quality of older people. The integration problem of older and disabled people in society. Facilities in land management and designing facilities.</li> </ul>		
<b>Basic bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Fikus M., Przestrzeń w autorskich zapisach graficznych, Wyd.PP. IAIPP, Poznań 1991</li> <li>2. Wejchert K., Elementy kompozycji urbanistycznej, Arkady, Warszawa</li> <li>3. Żórawski J., O budowie formy architektonicznej, Arkady, Warszawa 1962.</li> <li>4. Madeyski A. Podstawy inżynierii uzdrowiskowej Arkady 1979.</li> </ol>		
<b>Complementary bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Adamczewska-Wejchert H., Kształtowanie zespołów mieszkaniowych, Arkady, Warszawa 1985 + nowe wyd.</li> <li>2. Ghel J., Życie między budynkami. Użytkowanie przestrzeni publicznych, Wydawnictwo RAM, Kraków 2009</li> <li>3. Neufert E., Podręcznik projektowania architektoniczno-budowlanego, Arkady, Warszawa 1980 + nowe wydania</li> <li>4. Rasmunssen S.E., Odczuwanie architektury, Wyd. Murator, Warszawa 1999</li> <li>5. Periodyki: Czasopisma architektoniczne, urbanistyczne, itp.</li> </ol>		
<b>The workload of student</b>		
<b>Form of activity</b>	<b>Hours</b>	<b>ECTS</b>
Total workload	15	1
Activities that require individual contact with the teacher	17	-

Activities of practical	-	-
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**Balance the workload of the average student**

Form of activity	Number of hours
participation in lectures	15 h
participation in classes/ laboratory classes (projects)	-
preparation for classes/ laboratory classes	-
preparation to colloquium/final review	-
participation in consultation related to realization of learning process	-
preparation to the exam	10 h
attendance at exam	2 h

**Total workload of student:**

**1 ECTS credit**

**27 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

**15 h + 2 h = 17 h**

**0.68 ≈ 1 ECTS credit**