**Zał. nr 3 do ZW 16/2020**

**Attachment no. 2. to the Program of Studies**

**DESCRIPTION OF THE PROGRAM OF STUDIES**

Main field of studies: **Architecture**

Specjalization: **Architecture and Urban Planning** Profile: **general academic**

Level of studies: **2nd level** Form of studies: **full-time**

**1.** **General description**

|  |  |
| --- | --- |
| *1.1 Number of semesters:*  **3** | *1.2 Total number of ECTS points necessary to complete studies at a given level:*  **90** |
| *1.3 Total number of hours:*  **1000** | *1.4 Prerequisites (particularly for second-level studies):*  **architectural engineer diploma, diploma grade, portfolio grade** |
| *1.5 Upon completion of studies graduate obtains*  **professional degree: Master of Science in Architecture** | *1.6 Graduate profile, employment opportunities*  **The graduate should have the following competences**:  **A / knowledge of:**   * **architectural design of buildings with complex functions in a complex spatial context, universal design principles, interdisciplinary nature of architectural design,** * **urban design of various scale and complexity, in particular building complexes, taking into account local conditions and connections,** * **basic methods and techniques of conservation,** * **spatial planning and spatial policy tools, also in the context of sustainable development,** * **advanced theory of architecture and town planning,** * **history of art, architecture and urban planning with particular emphasis on contemporary architecture,** * **philosophy with particular emphasis on aesthetics,** * **protection of the architectural and urban heritage, as well as the cultural landscape,** * **modern construction systems,** * **economic, legal and social conditions, as well as technical infrastructure and the natural environment, necessary to understand the social, economic, ecological, historical, cultural and legal determinants of architects' activities,** * **technical and construction regulations, rules of ethics of the profession of an architect, basic concepts in the field of intellectual property protection,** * **ways of communicating the idea of architectural, urban and planning projects,** * **theoretical foundations for conducting scientific research, as well as the interpretation of scientific studies in the discipline of architecture and urban planning, scientific research methodology, including the preparation of scientific studies.**   **B / skills in the following areas:**   * **creating complex architectural designs, creating and transforming space in such a way as to give it new values taking into account the neighborhood context, technical and non-technical aspects,** * **designing complex urban complexes,** * **preparation of planning studies,** * **implementation of the principles and guidelines of universal design in architecture, urban planning and spatial planning,** * **preparation of a conservation design concept for transforming the architectural and urban complexes with cultural values, taking into account the protection of these values,** * **critical analysis of the conditions, valorization of the condition of buildings and spatial development, formulation of conclusions for architectural and urban design and spatial planning,** * **noticing non-technical effects of the architect's design activity, including its impact on the cultural and natural environment,** * **creative thinking and acting taking into account the complex and multi-faceted conditions of design activity,** * **integrating information obtained from various sources, formulating and justifying opinions based on the available scientific achievements of the discipline and showing their relationship with the design process,** * **communication using various techniques and tools in the professional environment, preparing a presentation devoted to the design implementation,** * **application of ethical standards and rules as well as legal provisions in the field of architectural and urban design and spatial planning,** * **using advanced computer simulations, analyzes and information technologies supporting architectural and urban design,** * **obtaining information from literature, databases and other sources in order to use them in the design process or scientific activity,** * **using the concepts of aesthetics, perceiving a broader, philosophical context of issues related to architectural and urban design.**   **The graduate's profile is also influenced by social competences acquired during the studies, in particular:**   * **the ability to work in a team, act as a coordinator of activities in the design process, take responsibility for common tasks and projects,** * **the ability to publicly speak and discuss professional topics, readiness to formulate and provide information to the public on the achievements of architecture and urban planning,** * **preparation for the proper definition of priorities for the design implementation,** * **awareness of the importance of the cultural heritage of the region, country and Europe and the requirements of the natural environment.**   **Graduates should speak one of the modern foreign languages at the B2 level of proficiency in the European System for the Description of Language Education of the Council of Europe. The study program meets the requirements set out in the "Education standards preparing for the profession of architect" (Journal of Laws of July 22, 2019, item 1359).**  **The graduate is prepared to take up professional activity as a designer in architectural and town planning studios and as an employee in the execution and construction supervision in the field of urban design and design of buildings together with their surroundings, as well as in investment and development offices and public administration units. The graduate is also prepared to study at the Doctoral School and start scientific and research work.** |
| *1.7 Possibility of continuing studies:*  **studies at the Doctoral School** | *1.8 Indicate connection with University’s mission and its development strategy:*  **The 2nd level of study program in the field of Architecture implements the basic goal of Wrocław University of Science and Technology, which is high-level education.**  **The study program implemented at the Faculty of Architecture is related to the University's mission in the following areas:**   * **creativity:** * **interdisciplinary profile - combining sciences in the field of technology, art, humanities, the program is intended for students who have the basics of theoretical knowledge in the discipline of architecture and urban planning, as well as basic design skills,** * **flexibility and modernity of the specialized model of education, the program offers students a wide range of optional courses, which allows them to pursue their individual creative interests;** * **professionalism and hard skills:** * **combining creativity with technical knowledge and practical skills desired on the labor market (e.g. in the field of BIM),** * **access to modern laboratories and computer labs creates opportunities for development and specialization; the university provides students with network access to the necessary software;** * **partnership cooperation with the different organizations:** * **cooperation with partners on research topics, summer schools and design workshops,** * **the educational profile is conducive to the selection of student work topics related to the economic and social needs of Wrocław and the region; particular emphasis is placed on activities in the field of spatial policy of the city and the region, urban planning and architecture, shaping the living environment of the society.**   **The program of studies pays great attention to the development of soft skills and interpersonal competences, e.g. in the field of cooperation in design teams as well as human and project management.** |

1. **Detailed description**

**2.1 Total number of learning outcomes in the program of study:**

*W (knowledge) = 39,*

*U (skills) = 38,*

*K (competences) = 14,*

*W + U + K = 91*

**2.2 For the main field of study assigned to more than one discipline - the number of learning outcomes assigned to the discipline:**

*Not applicable*

**2.3 For the main field of study assigned to more than one discipline - percentage share of the number of ECTS points for each discipline:**

*Not applicable*

**2.4a. For the general academic profile of the main field of study – the** **number of ECTS points assigned to the classes related to the University's academic activity in the discipline or disciplines to which the main field of study is assigned – DN (must be greater than 50% of the total number of ECTS points from 1.2)**

*50 ECTS ponits*

**2.4b. For the practical profile of the main field of study - the number of ECTS points assigned to the classes shaping practical skills (must be greater than 50% of the total number of ECTS points from 1.2)**

*Nie dotyczy*

**2.5 Concise analysis of compliance of the assumed learning outcomes with the needs of the labor market**

*The study program takes into account the theoretical and practical aspects of the architectural profession in a balanced way, with an emphasis on the creativity and design independence of graduates. The leading courses in educating students for the Architecture and Town Planning specialization are: architectural design, conservation design and urban planning design. Design courses is supplemented with specialization courses related to modern construction and theory (theory of architecture and town planning, heritage protection, philosophy, aesthetics) and computer courses (various types of modeling: BiM, 3D). The learning outcomes provide for the preparation of graduates to: work in architectural and town planning offices, public administration units related to architecture and urban planning. Due to the broad, interdisciplinary profile of education, the graduate may also undertake work related to conducting scientific research, and may also continue education at the Doctoral School.*

*The graduate has advanced knowledge in the field of architectural, urban and conservation design, theory of architecture and town planning, as well as in the field of modern construction systems and integration of design processes. Is able to use the knowledge and experience gained during studies for architectural and urban design in an interdisciplinary context and universal design standard.*

*In addition, the graduate has skills related to IT techniques, necessary both in the work of a designer and a manager planning an investment process. He can work in a team, is aware of the social role of the architect profession and the humanistic aspects of engineering activities.*

*The graduate knows a foreign language at the B2 level, is aware of the need for self-education and professional development.*

**2.6. The total number of ECTS points that a student must obtain in classes requiring direct participation of academic teachers or other persons conducting classes and students** (enter the sum of ECTS points for courses / groups of courses marked with the BU1 code)

*60,80 ECTS points*

**2.7.** **Total number of ECTS points, which student has to obtain from basic sciences classes**

|  |  |
| --- | --- |
| Number of ECTS points for obligatory subjects | *2* |
| Number of ECTS points for optional subjects | *0* |
| Total number of ECTS points | *2* |

**2.8.** **Total number of ECTS points, which student has to obtain from practical classes, including project and laboratory classes** (enter total number of ECTS points for courses/group of courses denoted with code P)

|  |  |
| --- | --- |
| Number of ECTS points for obligatory subjects | *8* |
| Number of ECTS points for optional subjects | *33* |
| Total number of ECTS points | *41* |

**2.9.** **Minimum number of ECTS points, which student has to obtain doing education blocks offered as part of University-wide classes or other main field of study** (enter number of ECTS points for courses/groups of courses denoted with code O)

*3 ECTS points*

**2.10.** **Total number of ECTS points, which student may obtain doing optional blocks (min. 30% of total number of ECTS points)**

*65 ECTS points*

1. **Description of the process leading to learning outcomes acquisition:**

*The student gains knowledge and skills by participating in practical and theoretical classes, the programs of which are largely based on the results of scientific research conducted by the course supervisors. The basis of education are optional design courses, which allow the student not only to choose a design path with their own interests, but also direct contact with specialists in the "master-student" formula. The principle of increasing the complexity of the design tasks set for students was adopted. Designing is supplemented with theoretical, technical and workshop courses, which concern, inter alia, conducting scientific research and present its results in professional publications. The program is complemented by humanities and language courses, as well as design workshops, study trips and summer schools. The three-semester course of education ends with a diploma examination checking the student's theoretical knowledge and defense of the diploma thesis - a master's project*.

**4.** **List of education blocks:**

**4.1. List of obligatory blocks:**

**4.1.1 List of general education blocks**

**4.1.1.1 *Liberal-managerial subjects* block***(min. 15 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | AHA117737W | Sociology and environmental psychology | 1 |  |  |  |  | 1.1. 3)  1.1.13)  B.W4.  1.2. 1)  1.3. 2)  1.3. 3) | 15 | 50 | 2 |  | 1,6 | T | Z |  |  |  | KO |
|  | | Total | 1 | 0 | 0 | 0 | 0 |  | 15 | 50 | 2 | 0 | 1,6 |  |  |  |  | 0 |  |

**4.1.1.2 *Foreign languages* block** *(min. 0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**4.1.1.3 *Sporting classes* block** *(0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**4.1.1.4 *Information technologies* block***(min. 0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**Altogether for general education blocks**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total number of hours | | | | |  | Total number of hours | | Total number of points | Total number of ECTS points for | |
| lec | cl | lab | pr | sem |  | ZZU | CNPS | ECTS | DN classes5 | BU classes1 |
| 1 | 0 | 0 | 0 | 0 |  | 15 | 50 | 2 | 0 | 1,6 |

**4.1.2 List of basic sciences blocks**

**4.1.2.1 *Mathematics* block**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | MAT001755W | An Introduction to Mathematical Modeling | 1 |  |  |  |  |  | 15 | 30 | 1 |  | 0,8 | T | Z |  |  |  | PD |
|  | | Total | 1 | 0 | 0 | 0 | 0 |  | 15 | 30 | 1 | 0 | 0.75 |  |  |  |  | 0 |  |

**4.1.2.2 *Physics* block**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | | Name of course/group of courses (denote group of courses with symbol **GK**) | | Weekly number of hours | | | | | | | | | | Learning effect symbol | | Number of hours | | | | Number of ECTS points | | | | | | Form2 of course/group of courses | | Way3 of crediting | | Course/group of courses | | | | | | | |
| lec | | cl | | lab | | pr | | sem | | ZZU | | CNPS | | Total | | DN5 classes | | BU1 classes | | University-wide4 | | Concerning scientific activities5 | | Practical6 | | Type7 | |
| 1. | AUA117714W | | Physics (acoustics) | | 1 | |  | |  | |  | |  | | B.W5,  B.W6,  B.U8. | | 15 | | 30 | | 1 | |  | | 0,8 | | T | | Z | |  | |  | |  | | PD | |
|  | | | Total | | 1 | | 0 | | 0 | | 0 | | 0 | |  | | 15 | | 30 | | 1 | | 0 | | 0.8 | |  | |  | |  | |  | | 0 | |  | |

**4.1.2.3 *Chemistry* block**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**Altogether for basic sciences blocks:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total number of hours | | | | |  | Total number of hours | | Total number of points | Total number of ECTS points for | |
| lec | cl | lab | pr | sem |  | ZZU | CNPS | ECTS | DN classes5 | BU classes1 |
| 2 | 0 | 0 | 0 | 0 |  | 30 | 60 | 2 | 0 | 1,55 |

**4.1.3 List of the main field of study blocks**

**4.1.3.1 *Obligatory main field of study* blocks**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | AUA117702S | Theory and History of Urban Planning of the 20th and 21st Century |  |  |  |  | 1 | 1.1.3,  1.1.5,  1.1.8,  B.W1,  B.W2,  1.2.1,  B.U1,  B.U2,  B.U3,  1.3.3,  B.S1 | 15 | 25 | 1 | 1 | 0,75 | T | Z |  |  |  | K |
| 2. | AUA117701S | Theory and History of Architecture |  |  |  |  | 1 | 1.1.3,  1.1.5,  1.1.8, B.W1, B.W2, B.W3, B.U1, B.U2, B.U3, B.U4,  B.S1 | 15 | 25 | 1 | 1 | 0,75 | T | Z |  |  |  | K |
| 3. | AUA117727W | Professional Ethics and Law in the Investment Process | 2 |  |  |  |  | B.W4,  B.W6,  B.W9,  B.U3,  B.U7,  B.U8,  B.S1,  B.S2. | 30 | 75 | 3 | 2 | 2,4 | T | E |  |  | 1 | K |
| 4. | AUA117728W | Ergonomics | 1 |  |  |  |  | 1.1.5,  B.W1,  B.W4,  1.2.2,  B.U2,  B.U4,  B.S2 | 15 | 25 | 1 | 1 | 0,8 | T | Z |  |  | 1 | K |
|  | | Total | 3 | 0 | 0 | 0 | 2 |  | 75 | 150 | 6 | 5 | 4,7 |  |  |  |  | 2 |  |

**4.1.4 List of specialization blocks**

**4.1.4.1 *Specialization subjects* blocks**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | AUA117740W | Structures in Contemporary Architecture 1 | 1 |  |  |  |  | 1.1.1,  1.1.9,  1.1.10,  B.W4,  B.W5,  B.W8,  B.W9,  B.U2,  B.S1,  B.S2. | 15 | 50 | 2 | 2 | 1,6 | T | E |  |  |  | S |
| 2. | AUA117740C | Structures in Contemporary Architecture 1 |  | 2 |  |  |  | 1.2.1,  1.2.2,  1.3.1,  B.U1,  B.U2,  B.U3,  B.U4,  B.S1,  B.S2. | 30 | 50 | 2 | 1 | 1 | T | Z |  |  | 1 | S |
| 3. | AUA117703W | Computer Aided Design BIM 1 | 1 |  |  |  |  | 1.1.10,  1.1.11,  B.W6,  B.U5. | 15 | 25 | 1 | 1 | 0,8 | T | Z |  |  |  | S |
| 4. | AUA117704L | Computer Aided Design BIM 1 |  |  | 2 |  |  | 1.1.10,  1.1.11,  B.U5,  B.U6. | 30 | 50 | 2 |  | 1,5 | T | Z |  |  | 2 | S |
| 5. | AUA117729W | Modern Technologies | 1 |  |  |  |  | 1.1.1,  1.1.4,  1.1.7,  1.1.9,  B.W1,  B.W5,  B.W7,  1.2.1,  B.U1,  B.U2,  B.U4,  1.3.4,  1.3.5,  B.S1. | 15 | 25 | 1 | 1 | 0,8 | T | Z |  |  |  | S |
| 6. | AUA117745W | Structures in Contemporary Architecture 2 | 1 |  |  |  |  | 1.1.1,  1.1.9,  1.1.10,  B.W4,  B.W5,  B.W8,  B.W9,  B.U2,  B.S1,  B.S2. | 15 | 50 | 2 | 2 | 1,6 | T | E |  |  |  | S |
| 7. | AUA117745C | Structures in Contemporary Architecture 2 |  | 2 |  |  |  | 1.2.1,  1.2.2,  1.3.1,  B.U1,  B.U2,  B.U3,  B.U4,  B.S1,  B.S2. | 30 | 50 | 2 | 1 | 1 | T | Z |  |  | 1 | S |
| 8. | AUA117739P | Spatial planning |  |  |  | 3 |  | 1.1.7, A.W3, A.W4, A.W5, 1.2.1,  1.2.2,  1.2.4, A.U3, A.U4, A.U9,  A.U10,  A.U13,  A.U15, 1.3.3,  A.S1,  A.S2 | 45 | 75 | 3 | 1 | 2,25 | T | Z |  |  | 2 | S |
|  | | Total | 4 | 4 | 2 | 3 | 0 |  | 195 | 375 | 15 | 9 | 10,55 |  |  |  |  | 6 |  |

**4.2 List of optional blocks**

**4.2.1 List of general education blocks**

**4.2.1.1 Liberal-managerial subjects blocks***(min. 3 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | BK | Humanities | 2 |  |  |  |  | 1.1.8,  C.W1,  C.W2,  1.2.1,  C.U1,  C.U2,  C.U3,  C.U4,  1.3.2,  1.3.3. | 30 | 75 | 3 | 3 | 2,4 | T | Z |  |  |  | KO |
| 1.1. | AHA117710W | Aesthetics and Philosophy | 2 |  |  |  |  | 30 | 75 | 3 | 3 | 2,4 | T | Z |  |  |  | KO |
| 1.2. | AHA117713W | History of art | 2 |  |  |  |  | 30 | 75 | 3 | 3 | 2,4 | T | Z |  |  |  | KO |
| 1.3. | AHA117712W | History of Garden Art | 2 |  |  |  |  | 30 | 75 | 3 | 3 | 2,4 | T | Z |  |  |  | KO |
| 1.4. | AHA117711W | Cultural interactions between Western Art and non-European civilizations | 2 |  |  |  |  | 30 | 75 | 3 | 3 | 2,4 | T | Z |  |  |  | KO |
|  | | Total | 2 | 0 | 0 | 0 | 0 |  | 30 | 75 | 3 | 3 | 2,4 |  |  |  |  | 0 |  |

**4.2.1.2 *Foreign languages* block** *(min. 3 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | JZL100929BK | Foreign Languages |  | 3 |  |  |  | C.W4,  C.U5. | 45 | 60 | 2 |  |  | T | Z | O |  |  | KO |
| 2. | JZL100930BK | Foreign Languages |  | 1 |  |  |  | C.W4,  C.U5. | 15 | 30 | 1 |  | 0,5 | T | Z | O |  |  | KO |
|  | | Total | 0 | 4 | 0 | 0 | 0 |  | 60 | 90 | 3 | 0 | 1,5 |  |  |  |  | 0 |  |

**4.2.1.3 Sporting classes block** *(0. ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**4.2.1.4 *Information technologies* block***( 0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**Altogether for general education blocks:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total number of hours | | | | |  | Total number of hours | | Total number of points | Total number of ECTS points for | |
| lec | cl | lab | pr | sem |  | ZZU | CNPS | ECTS | DN classes5 | BU classes1 |
| 2 | 4 | 0 | 0 | 0 |  | 90 | 165 | 6 | 3 | 3,9 |

**4.2.2 List of basic sciences blocks**

**4.2.2.1 *Mathematics* block***(0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**4.2.2.2 *Physics* block***(min. 0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

**4.2.2.3 *Chemistry* block***(0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  | 0 |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total number of hours | | | | |  | Total number of hours | | Total number of points | Total number of ECTS points for | |
| lec | cl | lab | pr | sem |  | ZZU | CNPS | ECTS | DN classes5 | BU classes1 |
| 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 |

**4.2.3 List of blocks**

**4.2.3.1 Blok *Kierunkowy wybieralny*** *(min. 20 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | BK | Diploma thesis (GK) | 1 |  |  | 5,7 | |  | D.W1.  D.W2.  D.W3.  D.W4.  D.W5.  D.U1.  D.U2.  D.U3.  D.U4.  D.U5.  D.U6.  D.S1.  D.S2.  D.S3.  D.S4.  D.S5. | 100 | 500 | 20 | 12 | 10 | T | | Z (D) |  |  | P (10) | K |
| 1.1. | AUA117750wpD | Diploma thesis,  Design workshops: Detail in Historic Architecture;  Lecture: Architecture and Urban Planning – Repertory (GK) | 1 |  |  | 5,7 | |  | 100 | 500 | 20 | 12 | 10 | T | | Z (D) |  |  | P (10) | K |
| 1.2. | AUA117751wpD | Diploma thesis,  Design workshops:  Design of architectural Detail; Lecture: Architecture and Urban Planning – Repertory (GK) | 1 |  |  | 5,7 | |  | 100 | 500 | 20 | 12 | 10 | T | | Z (D) |  |  | P (10) | K |
|  | | Total | 1 | 0 | 0 | 5,7 | | 0 |  | 100 | 500 | 20 | 12 | 10 | |  |  |  |  | 10 |  |

**4.2.4** **List of specialization blocks**

**4.2.4.1 *Specialization subjects* blocks***(min. 39 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/  group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | | Form2 of course/group of courses | | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | Total | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1. | BK | Architectutal Design 1 |  |  |  | 7 |  | 1.1.2,  1.1.6,  1.1.7,  1.1.10,  1.1.12,  1.1.13,  A.W1,  A.W2,  A.W4,  A.W5,  A.W6,  A.W8,  1.2.2,  1.2.3,  1.2.5,  A.U1,  A.U2,  A.U5,  A.U8,  A.U9,  A.U10,  A.U11,  A.U12,  A.U13,  A.U14,  A.U15,  1.3.3,  A.S1,  A.S2,  A.S3,  A.S4. | 105 | 225 | 9 | 4 | 6,75 | T | | Z |  |  | 5 | S |
| 1.1. | AUA117693P | Architectutal Design - Hybrid Architecture – Megastructure / Urban Vertical Farms |  |  |  | 7 |  | 105 | 225 | 9 | 4 | 6,75 | T | | Z |  |  | 5 | S |
| 1.2. | AUA117694P | Architectural Design - Public Buildings |  |  |  | 7 |  | 105 | 225 | 9 | 4 | 6,75 | T | | Z |  |  | 5 | S |
| 1.3. | AUA117744P | Architecture Design - Environmentally Friendly Dwelling Architecture |  |  |  | 7 |  | 105 | 225 | 9 | 4 | 6,75 | T | | Z |  |  | 5 | S |
| 2. | BK | Urban Design |  |  |  | 4 |  | 1.1.2,  A.W2,  A.W3,  A.W4,  A.W5,  A.W8,  1.2.2,  1.2.3,  1.2.4,  1.2.5,  A.U2,  A.U3,  A.U4,  A.U5,  A.U8,  A.U9,  A.U10,  A.U13,  A.U15,  A.S1,  A.S2,  A.S3,  A.S4. | 60 | 125 | 5 | 3 | 3,75 | T | | Z |  |  | 3 | S |
| 2.1. | AUA117696P | Urban Design - Urban Planning of the Future |  |  |  | 4 |  | 60 | 125 | 5 | 3 | 3,75 | T | | Z |  |  | 3 | S |
| 2.2. | AUA117695P | Urban design - Revitalization of Urban Structures |  |  |  | 4 |  | 60 | 125 | 5 | 3 | 3,75 | T | | Z |  |  | 3 | S |
| 3. | BK | Conservation Design and Special Design as a Result of Local Conditions |  |  |  | 4 |  | 1.1.1,  1.1.2,  1.1.3,  1.1.5,  1.1.6,  1.1.8,  1.1.9,  1.1.10,  1.1.11,  1.1.12,  1.1.13,  A.W1,  A.W2,  A.W3,  A.W4,  A.W5,  A.W6,  A.W7,  A.W8,  1.2.1,  1.2.2,  1.2.3,  1.2.4,  1.2.5,  A.U1,  A.U2,  A.U3,  A.U4,  A.U5,  A.U6,  A.U7,  A.U8,  A.U9,  A.U10,  A.U11,  A.U12,  A.U13,  A.U14,  A.U15,  1.3.1,  1.3.2,  1.3.3,  1.3.4,  1.3.5,  A.S1,  A.S2,  A.S3,  A.S4, | 60 | 100 | 4 | 3 | 3 | T | | Z |  |  | 2 | S |
| 3.1. | AUA117698P | Conservation Design - Urban Interiors, Contemporary Public Space in Historical Context |  |  |  | 4 |  | 60 | 100 | 4 | 3 | 3 | T | | Z |  |  | 2 | S |
| 3.2. | AUA117697P | Conservation Design |  |  |  | 4 |  | 60 | 100 | 4 |  | 3 | T | | Z |  |  | 2 | S |
| 4. | BK | Protection of Cultural Heritage | 2 |  |  |  |  | 1.1.3,  1.1.5,  1.1.7,  1.1.8,  B.W2,  B.W4,  1.2.4,  B.U1,  B.U2,  B.U3,  1.3.2,  1.3.3 | 30 | 50 | 2 | 2 | 1,6 | T | | Z |  |  |  | S |
| 4.1. | AUA117700W | Protection of Heritage, Conservation Theory, Archaeology and Cultural Studies | 2 |  |  |  |  | 30 | 50 | 2 | 2 | 1,6 | T | | Z |  |  |  | K |
| 4.2. | AUA117699W | Protection of Cultural Heritage, Archeology and Conservation Theory | 2 |  |  |  |  | 30 | 50 | 2 | 2 | 1,6 | T | | Z |  |  |  | S |
| 5. | BK | Architectural Design 2 |  |  |  | 7 |  | 1.1.1,  1.1.2,  1.1.3,  1.1.4,  1.1.5,  1.1.6,  1.1.7,  1.1.9,  1.1.10,  1.1.11,  1.1.12,  1.1.13,  A.W1,  A.W4,  A.W5,  A.W6,  A.W8,  1.2.1,  1.2.2,  1.2.3,  1.2.4,  1.2.5,  A.U1,  A.U4,  A.U5,  A.U7,  A.U8,  A.U9,  A.U10,  A.U11,  A.U12,  A.U13,  A.U14,  A.U15,  1.3.2,  1.3.3,  A.S1,  A.S2,  A.S3,  A.S4. | 105 | 225 | 9 | 4 | 6,75 | | T | Z |  |  | 5 | S |
| 5.1. | AUA117706P | Architectural Design - Social and Service Architecture |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 5.2. | AUA117707P | Architectural design - experimental architecture |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 5.3. | AUA117705P | Architectural Design - Adaptive Architecture |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 5.4. | AUA117708P | Architectural Design -Service and Housing Development in the  City |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 5.5. | AUA117709P | Architectural design - hospitals and other health care facilities |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 5.6. | AUA117747P | Architectural Design - Multifunctional Complexes - Housing, Education, Culture |  |  |  | 7 |  | 105 | 225 | 9 |  | 6,75 | | T | Z |  |  | 5 | S |
| 6. | BK | Architectural design 3 |  |  |  | 4 |  |  | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.1. | AUA117723P | Architectural design - Meta-Habitat in Different Cultures |  |  |  | 4 |  | A.W1.  A.W8.  A.U1.  A.U8.  A.U9.  A.S1.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.2. | AUA117722P | Architectural Design: Inventive Methods |  |  |  | 4 |  | A.W1.  A.W6.  A.W8.  A.U1.  A.U5.  A.U8.  A.U13.  A.S1.  A.S2. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.3. | AUA117748P | Architectural Design - Architecture of Absence |  |  |  | 4 |  | A.W1.  A.W8.  A.U1.  A.U8.  A.U13  A.S1.  A.S2.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.4. | AUA117749P | Architectural design - ProtoLAB |  |  |  | 4 |  | 1.1.10)  1.1.11)  1.1.12)  A.W6.  A.W8.  1.2.1)  1.2.3)  1.2.4)  1.2.5)  A.U1.  A.U5.  A.U8.  A.U9.  A.U10.  A.U11.  A.U12.  A.U13.  A.U14.  1.3.1)  1.3.2)  1.3.4)  1.3.5)  A.S1.  A.S2.  A.S3. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.5. | AUA117724P | Architectural Design - Recycling of Postindustrial Architecture |  |  |  | 4 |  | 1.1.7)  1.1.10)  A.W7.  1.2.2)  1.2.3)  A.U1.  A.U6.  A.U7.  A.U10.  A.U15.  1.3.3)  A.S1.  A.S2.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.6. | AUA117719P | Architectural Design - Civic Buildings - their meaning, context and impact |  |  |  | 4 |  | 1.1.2)  1.1.3)  1.1.5)  1.1.6)  1.1.10)  1.1.11)  1.1.12)  1.1.13)  A.W1.  A.W4.  A.W5.  A.W8.  1.2.2)  A.U1.  A.U4.  A.U5.  A.U7.  A.U8.  A.U9.  A.U10.  A.U11.  A.U12.  A.U13.  A.U14.  A.U15.  1.3.1)  1.3.2)  A.S1.  A.S2.  A.S3.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.7. | AUA117721P | Architectural design - hotels, offices, banks and stock exchange buildings |  |  |  | 4 |  | A.W1.  A.W5.  A.W8.  A.U1.  A.U8.  A.U9.  A.U11.  A.U12.  A.U13.  A.U14.  A.U15.  A.S1.  A.S2.  A.S3. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.8. | AUA117718P | Architectural Design - Assembly Halls and Spaces for Performance Designing |  |  |  | 4 |  | 1.1.1)  1.1.2)  1.1.4)  1.1.5)  1.1.6)  1.1.7)  1.1.9)  A.W4.  A.W5.  A.W8.  1.2.1)  1.2.2)  1.2.3)  1.2.5)  A.U1.  A.U7.  A.U8.  A.U9.  A.U11.  A.U13.  A.U14.  1.3.1)  1.3.2)  1.3.3)  A.S1.  A.S2.  A.S3.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.9. | AUA117720P | Design of Architecture in public space |  |  |  | 4 |  | A.W1.  A.W2.  A.W5.  A.W6.  A.W8.  A.U1.  A.U2.  A.U4.  A.U5.  A.U7.  A.U8.  A.U9.  A.U10.  A.U11.  A.U12.  A.U13.  A.U14.  A.U15.  A.S1.  A.S2.  A.S3. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 6.10 | AUA117717P | Architectural Design – Adaptive reuse of historic buildings |  |  |  | 4 |  | 1.1.1)  1.1.2)  1.1.3)  1.1.4)  1.1.5)  1.1.6)  A.W1.  A.W2.  A.W3.  A.W4.  A.W5.  A.U1.  A.U2.  A.U3.  A.U4.  A.U5.  A.U6.  A.U7.  A.U8.  A.U9.  A.U10.  A.U11.  A.S1.  A.S2.  A.S3.  A.S4. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 2.11 | AUA117726P | Architectural Design - Community Planning Process in Practice |  |  |  | 4 |  | A.W2.  A.W3.  A.W5.  A.W8.  A.U1.  A.U3.  A.U4.  A.U5.  A.U8.  A.U9.  A.U13.  A.S1.  A.S2.  A.S3. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 2.12 | AUA117725P | Architectural design - Waterfront - Urban Waterside Zones |  |  |  | 4 |  | A.W2.  A.W5.  A.U1.  A.U2.  A.U4.  A.U8.  A.S1.  A.S2.  A.S3. | 60 | 125 | 5 | 3 | 3,75 | | T | Z |  |  | 3 | S |
| 7. | BK | Methodology of Scientific Work |  |  |  |  | 1 | 1.1.3, 1.1.11, B.W1, B.W2, B.W7, B.U1, B.U4,  1.3.4,  B.S1,  B.S2 | 15 | 25 | 1 | 1 | 0,75 | | T | Z |  |  | 1 | S |
| 7.1. | AUA117731S | Research methodology |  |  |  |  | 1 | 15 | 25 | 1 | 1 | 0,75 | | T | Z |  |  | 1 | S |
| 7.2. | AUA117730S | Methodology of Scientific Work |  |  |  |  | 1 | 15 | 25 | 1 | 1 | 0,75 | | T | Z |  |  | 1 | S |
| 8. | BK | Design Workshop – Integration of Design Processes (GK) | 1 |  | 2 |  |  | 1.1.10,  1.1.11,  B.W6,  B.U5,  B.U6,  B.S1,  B.S2. | 45 | 75 | 3 |  | 2,3 | | T | Z |  |  | 3 | S |
| 8.1. | AUA117735wL | GIS Spatial Analysis in Architecture (GK) | 1 |  | 2 |  |  | 45 | 75 | 3 |  | 2,3 | | T | Z (L) |  |  | 3 | S |
| 8.2. | AUA117734wL | Designing by modeling – from photogrammetry to 3d printing (GK) | 1 |  | 2 |  |  | 45 | 75 | 3 |  | 2,3 | | T | Z (L) |  |  | 3 | S |
| 8.3 | AUA117732wL | Computer Aided Design BIM II (GK) | 1 |  | 2 |  |  | 45 | 75 | 3 |  | 2,3 | | T | Z (L) |  |  | 3 | S |
| 9. | BK | Ecology | 1 |  |  |  |  |  | 15 | 25 | 1 | 1 | 0,8 | | T | Z |  |  | 1 | S |
| 9.1. | AUA117715W | Architecture of the Urban Landscapes | 1 |  |  |  |  | C.W1.  C.W3.  C.U1.  C.U2.  C.U3.  1.3/3 | 15 | 25 | 1 |  | 0,8 | | T | Z |  |  | 1 | S |
| 9.2. | AUA117738W | Ecology and Landscape Architecture | 1 |  |  |  |  | 1.1.5)  1.1.7)  B.W3.  B.U2.  B.U3.  B.S1. | 15 | 25 | 1 |  | 0,8 | | T | Z |  |  | 1 | S |
| 9.3. | AUA117716W | Thinking the Landscape, interdisciplinary approach | 1 |  |  |  |  | 1.1.7)  1.2.1)  1.3.3) | 15 | 25 | 1 |  | 0,8 | | T | Z |  |  | 1 | S |
|  | | Total | 4 | 0 | 2 | 26 | 1 |  | 495 | 975 | 39 | 21 | 29,45 | |  |  |  |  | 23 |  |

**Altogether for specialization blocks:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total number of hours | | | | |  | Total number of hours | | Total number of points | Total number of ECTS points for | |
| lec | cl | lab | pr | sem |  | ZZU | CNPS | ECTS | DN classes5 | BU classes1 |
| 4 | 0 | 2 | 26 | 0 |  | 495 | 975 | 39 | 21 | 29,45 |

**4.3** „**Diploma dissertation” block**

|  |  |  |
| --- | --- | --- |
| **Type of diploma dissertation** | *~~Licencjat / inżynier / magister~~ / magister inżynier\** | |
| **Number of diploma dissertation semesters** | **Number of ECTS points** | **Code** |
| *1* | *20* | *AUA117750D* |
| **Character of diploma dissertation** | | |
| *Architectural / urban design, written work* | | |
| **Number of BU1 ECTS points** | *10* | |
| **Number of DN5 ECTS points** | *12* | |

**5. Ways of verifying assumed learning outcomes**

|  |  |
| --- | --- |
| **Type of classes** | **Ways of verifying assumed learning outcomes** |
| **lecture** | *exam, test, essay / elaboration* |
| **class** | *test, colloquium, presentation* |
| **laboratory** | *evaluation of the laboratory report, evaluation of performed tasks* |
| **project** | *reviews of individual stages of design work, presentation and defense of the final project* |
| **seminar** | *participation in the discussion, presentation of a chosen topic, essay, test* |
| **diploma dissertation** | *in the theoretical part: oral exam;*  *in the practical part: presentation and defense of the master's project* |

**6.** **Range of diploma examination**

The diploma examination consists of two parts: theoretical and practical. The theoretical part of the diploma examination serves to check the knowledge of a graduate of the second level of studies and covers the issues related to:

- architectural, urban and conservation design in the social, cultural, natural, historical, economic and legal context;

- spatial planning;

- modern construction systems,

- theory of architecture and town planning, philosophy and aesthetics, protection of heritage, ergonomics, ethics of the architect profession and law in the investment process;

- acoustics.

The practical part of the diploma examination - the master's project serves to test the graduate's skills in the field of: designing complex buildings and multi-functional urban complexes, creating and transforming space in such a way as to give it new values, taking into account non-technical aspects. The master's project should synthesize the interdisciplinary knowledge acquired by the graduate during his studies, showing his creativity and the ability to prepare an advanced graphic, written and oral presentation. The work must contain theoretical background and justification of the presented solutions in the form of a scientific study.

**7.** **Requirements concerning deadlines for crediting courses/groups of courses for all courses in particular blocks**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *No.* | | *Course / group of courses code* | | *Name of course / group of courses* | | *Crediting by deadline of... (number of semester)* | |
| *1.* | | *AUA117702S* | | *Theory and History of Urban Planning of the 20th and 21st Century* | | *1* | |
| *2.* | | *AUA117701S* | | *Theory and History of Architecture* | | *1* | |
| *3.* | | *AUA117740W* | | *Structures in Contemporary Architecture 1* | | *1* | |
| *4.* | | *AUA117740C* | | *Structures in Contemporary Architecture 1* | | *1* | |
| *5.* | | *AUA117703W* | | *Computer Aided Design BIM 1* | | *1* | |
| *6.* | | *AUA117704L* | | *Computer Aided Design BIM 1* | | *1* | |
| *7.* | | *MAT001755W* | | *An Introduction to Mathematical Modeling* | | *1* | |
| *8.* | | *BK* | | *Architectutal Design 1* | | *1* | |
| *9.* | | *BK* | | *Urban Design* | | *1* | |
| *10.* | | *BK* | | *Conservation Design and Special Design as a Result of Local Conditions* | | *1* | |
| *11.* | | *BK* | | *Protection of Cultural Heritage* | | *1* | |
| *12.* | | *JZL100929BK* | | *Języki obce* | | *3* | |
| *13.* | | *AUA117727W* | | *Professional Ethics and Law in the Investment Process* | | *2* | |
| *14.* | | *AUA117728W* | | *Ergonomics* | | *2* | |
| *15.* | | *AUA117729W* | | *Modern Technologies* | | *2* | |
| *16.* | | *AUA117745W* | | *Structures in Contemporary Architecture 2* | | *2* | |
| *17.* | | *AUA117745C* | | *Structures in Contemporary Architecture 2* | | *2* | |
| *18.* | | *AHA117737W* | | *Sociology and environmental psychology* | | *2* | |
| *19.* | | *AUA117714W* | | *Physics (acoustics)* | | *2* | |
| *20.* | | *BK* | | *Architectural Design 2* | | *2* | |
| *21.* | | *BK* | | *Architectural design 3* | | *2* | |
| *22.* | | *BK* | | *Methodology of Scientific Work* | | *2* | |
| *23.* | | *BK* | | *Design Workshop – Integration of Design Processes (GK)* | | *2* | |
| *24.* | | *JZL100930BK* | | *Języki obce* | | *3* | |
| *25.* | | *BK* | | *Humanities* | | *2* | |
| *26.* | | *BK* | | *Ecology* | | *2* | |
| *27.* | | *AUA117739P* | | *Spatial planning* | | *3* | |
| *28.* | | *BK* | | Diploma thesis *(GK)* | | *3* | |

**8.** **Plan of studies (attachment no. ……)**

Approved by faculty student government legislative body:

................... ................................................................................

Date name and surname, signature of student representative

................... ................................................................................

Date Dean’s signature

\*delete as appropriate