Attachment no. 5 to ZW 16/2020

Attachment no. **10** to studies program

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| **FACULTY OF ARCHITECTURE****COURSE SYLLABUS**Course title in Polish: **Teoria i historia architektury**Course title in English: **Theory and History of Architecture**Specialization (if applicable): **Architecture**Profile (if applicable): **Architecture and Urban Planning**Level and form of studies: **2nd level, full-time**Semester: **1**Course type: **obligatory**Course code: **AUA117701S**Group of courses: **NO** |

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|  | **Lecture** | **Tutorial** | **Laboratory** | **Project** | **Seminar** |
| Number of hours of organized classes in University (ZZU) |  |  |  |  | **15** |
| Number of hours of total student workload (CNPS) |  |  |  |  | **25** |
| Form of crediting |  |  |  |  | **Crediting with grade** |
| For group of courses mark (X) final course |  |  |  |  |  |
| Number of ECTS points |  |  |  |  | **1** |
| including number of ECTS points for practical (P) classes  |  |  |  |  |  |
| including number of ECTS points for direct teacher-student contact classes or other people conducting classes (BU) |  |  |  |  | **0,75** |

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| **PREREQUISITES RELATED TO KNOWLEDGE, COMPETENCES AND SOCIAL SKILLS** |
| **No prerequisites.** |

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| **COURSE OBJECTIVES** |
| **C1** acquainting with the history of architectural movements and ideas since the early 20th century.**C2** acquainting with the latest development prospects of contemporary architecture.**C3** to equip students with the ability to analyze a contemporary work of architecture, the adopted solutions, its origin and functioning.**C4** to equip students with skills and the habit of analyzing contemporary architecture and theories related to it. |

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| **COURSE LEARNING OUTCOMES** |
| **Relating to knowledge:**1.1.3) The graduate knows and understands advanced issues related to architecture and urban planning which are useful in designing structures and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities, integrating the knowledge acquired during university studies.1.1.5) The graduate knows and understands relations between man and architecture and between architecture and the surrounding environment, and the necessity to adapt architecture to human needs and scale.1.1.8) The graduate knows and understands history and theory of architecture, art, technology and humanities to the extent that is necessary to create proper architectural designs.B.W1. The graduate knows and understands advanced theory of architecture and urban planning that is useful in formulating and solving complex tasks in the field of architectural and urban design and spatial planning, as well as development trends and current directions in architectural and urban design.B.W2. The graduate knows and understands the history of architecture and urban planning, contemporary architecture, heritage protection to the extent that is necessary in architecture, urban planning and spatial planning.B.W3. The graduate knows and understands the role and importance of the natural environment in architectural and urban design and in spatial planning, as well as the need to create spatial order, sustainable development, and issues associated with threats to the environment and the cultural landscape.**Relating to competences:**B.U1. The graduate is able to integrate advanced knowledge in various fields of science, including history, history of architecture, history of art and protection of cultural goods, and spatial management when solving complex engineering tasks.B.U2. The graduate is able to recognize the importance of non-technical aspects and effects of an architect’s design work, including its impact on the cultural and natural environment, and take responsibility for his or her technical decisions in the environment and for transmitting the cultural and natural heritage to the next generations.B.U3. The graduate is able to recognize systemic and non-technical aspects, including environmental, cultural, artistic, economic and legal aspects, in the process of architectural and urban design and urban planning that has a high level of complexity.B.U4. The graduate is able to formulate opinions in the form of a critical analysis related to architecture and present and synthetically describe the ideological basis for the design.**Relating to social skills:**B.S1. The graduate is ready to formulate information and opinions and inform the society about the achievements of architecture and urban design, their complex determinants, and other aspects of an architect’s professional work. |

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| **PROGRAMME CONTENT** |
| **Form of classes - seminar** | **Number of hours** |
| Sem 1 | Organic architecture | 2 |
| Sem 2 | Purism, white modernism, abstraction in architecture. | 2 |
| Sem 3 | Historicism and contextualism in contemporary architecture | 2 |
| Sem 4 | Eco-Tech, environmental technologies and biomimetics in architecture. | 2 |
| Sem 5 | Bioclimatic architecture. | 2 |
| Sem 6 | Parametric and virtual architecture. | 2 |
| Sem 7,8 | The latest trends in architecture, the newest projects, contemporary architecture of Wrocław. | 3 |
|  | **Total hours** | **15** |

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| **TEACHING TOOLS** |
| **N1** – Multimedia presentation.**N2** – Didactic discussion during seminar.  |

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| **ASSESSMENT OF ACHIEVEMENT OF LEARNING OUTCOMES** |
| **Evaluation** (F – forming (during semester), C – concluding (at semester end) | Number of learning outcome | Method of assessing the achievement of learning outcome |
| F1 | 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. | assessment - the substantive value of contribution in a didactic discussion, the ability to formulate opinions in the form of a critical analysis related to architecture and involvement in the discussion |
| **C = 100% F1** |

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| **BASIC AND ADDITIONAL LITERATURE** |
| **basic LITERATURE:**1. Baranowska, A., Projektowanie zrównoważone w architekturze, Gdańsk 1998.
2. Ghirado, D., Architektura po modernizmie, Toruń 1999; wyd. ang. London 1996.
3. Sławińska, J., Ekspresja sił w nowoczesnej architekturze, Warszawa 1997.
4. Widera, B., Proces kształtowania relacji z naturą w architekturze współczesnej, Wrocław 2018.

**additional LITERATURE:**1. Bar-Cohen, Y., Biomimetics: Biologically Inspired Technologies, London 2005.
2. Cerver, F. A., The World of Contemporary Architecture, Köningswinter 2005.
3. Cattermole, P., Buildings For Tomorrow: Architecture That Changed Our World, London 2006.
4. Chan, Y., Sustainable Environments, Gloucester 2007.
5. Frampton, K., Modern Architecture. A Critical History, London 1985.
6. Jencks, Ch., The Architecture of the Jumping Universe. A Polemic: How Complexity Science is Changing Architecture and Culture, Chichester 1997.
7. Yeang, K., EcoMasterplanning, Chichester 2009.
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| **COURSE SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)** |
| **prof. dr hab. inż. arch. Rafał Czerner**rafal.czerner@pwr.edu.pl**dr hab. inż. arch. Barbara Widera, profesor uczelni**barbara.widera@pwr.edu.pl |