# Subject description

Faculty of Architecture, WUT 2020, **Architecture** studies

**Architecture for Society of Knowledge** speciality

| CONTEMPORARY THEORY OF ARCHITECTURE | | ASK3-KH-Ta | MSc level | semester 3 |
|---|---|---|---|---|
| Classes:<br>**lecture**<br>**seminar**<br>laboratory<br>project | Hours/semester<br>**30** | Student's workload hours:<br>**18** | Status:<br>**obligatory**<br>Level:<br>**Advanced**<br>**Context: history / theory** | ECTS:<br>**2**<br><br>Exam:<br>**yes** |

**Unit delivering this subject:** Zakład Projektowania i Teorii Architektury
**Subject coordinator**:         prof. dr hab. inż. arch. Ewa Kuryłowicz

## Learning outcomes and subject delivery methods

**Objective of the course:**

The subject is a theoretical basis for intellectual activities related to the design analysis, the development of own methods and the presentation of architectural views. Accomplished competences are used during work on course projects and in the diploma thesis. Also, they constitute a starting point for conscious and active participation in architectural discourse and scientific work.

**General description of the course:**

During the lectures, the most important ideological positions shaping the image of the contemporary architectural theory are presented. Particular attention is being paid to phenomena resulting from the evolution of philosophical and architectural thought that constitute the background for the most recent history. Among them are problems such as issues of the psychology of perception, the relation of architecture to other fields of art in the context of perception; conditions of reception of a work of art and architectural work - subjectivism and objectivity; architecture as a message with shaping possibilities and determinants. Shaping architecture against the background of the knowledge society and modern methods of communication; information architecture; the architecture of the image culture era.

Based on the content provided during lectures and suggested reading, students prepare statements embedded in the theoretical context. Report design and content are subject to rigours methods of reasoning. Presented in the discussion are subject to criticism, require argumentation and justification, as a part of elaboration and evaluation.

**Learning outcomes:**

| No. of the outcome/ area | Description |
|---|---|
| **Knowledge** | |
| W_01 | Student has a structured, theoretically founded general knowledge covering essential issues in the field of the study. |
| W_02 | Student has a theoretically founded detailed knowledge related to selected issues in the field of the study. |
| W_03 | Student knows development trends and the most important achievements relevant to the studied field of study and connected scientific disciplines. |
| **Skills** | |
| U_01 | Student can obtain information from literature and other adequately selected sources, integrate the information obtained, make their interpretation and draw conclusions. |

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|---|---|
| U_02 | Student can communicate using various techniques in a professional, and other environments, also in another foreign language recognised as the language of international communication |
| U_03 | Student can prepare a scientific study and a short scientific report in a foreign language, considered to be essential for the fields of science and scientific research |
| **Social competences** | |
| KS_01 | Student can interact and work in a group, taking on different roles. |
| KS_02 | Student can correctly determine the priorities for the implementation of the task |

**Learning contents:**

The contents transferred within the subject relate to factual issues (resulting from the positions and trends presented during the lectures), methodological (regarding the analysis of existing works, criticism, problems related to the architectural creation process) and finally - technical, related to the presentation of views, their illustrations and argumentation techniques.

**Teaching methods and forms :**

Lectures prepared by lecturers, presentation of architectural works and their projects, possibility of authors' analysis and statements.
Thematic discussions including presentation of individual positions, group studies and prepared illustrations and methodological experiments.
Developing glossaries, Wikis and knowledge bases using tools available in the support platform

**Method of testing the learning outcomes:**

| Outcome number | Way of testing |
|---|---|
| **Knowledge** | |
| W_01 (T1A_W03) | exam |
| W_02 (T1A_W04) | paper, evaluation work, exam |
| W_03 (T1A_W05) | paper, exam |
| **Skills** | |
| U_01 (T1A_U01) | paper, final work, exam |
| U_02 (T1A_U02) | paper, final work |
| U_03 (T1A_U03) | paper, final work |
| **Social competences** | |
| KS_01 (T1A_K03) | paper, discussion participation |
| KS_02 (T1A_K04) | paper, evaluation work, exam |

**Literature:**

- Architectural Theory from the Renaissance to the Present, Taschen, Köln 2003.
- Gibson, James Jerome. "The perception of the visual world" Mifflin, 1950.
- Gibson, James Jerome. „The ecological approach to visual perception" Routledge, 1986.
- Gramazio, Fabio, Mathias Kohler. "Digital Materiality in Artchitecture" Baden, 2008.
- Helvey, T. Charles: "The Age of Information: An Interdisciplinary Survey of Cybernetics" New Jersey, 1971.
- Hersey, George, Richard Freedman. „Possible Palladian Villas (Plus a few Instructively Impossible Ones)" Cambridge, 1992.
- Holland, John H. „Adaptation in Natural and Artificial Systems" Boston: MIT Press, 1992.
- Knuth, Donald E. "The Art Of Computer Programming" Addison-Wesley, 1997.
- Le Corbusier, Towards A New Architecture (wersja francuska i angielska).
- Leach, Neil. "Rethinking Architecture" London, 1997.
- Mitchell, William J. "City of bits: space, place and the Infobahn" MIT Press, 1996.
- Mitchell, William J. "Me++. The Cyborg Self and Networked City" MIT Press, 2004.
- Mitchell, William J. "Placing Words. Symbols Space and the City" MIT Press, 2005.

- Mitchell, William J. "The Reconfigured Eye. Visual truth in the Post-Photographic Era" MIT Press, 1992.
- Norberg-Schulz C., Genius Loci: Towards a Phenomenology of Architecture, Rizzoli, New York 1980.
- Perella, Steven. "Hypersurface Architecture (AD)"London, 1998.
- Popovič Larsen, Olga, Tyas A. "Conceptual structural design: bridging the gap between Architects and engineers" Londyn, 2003.
- Rossi, Aldo, Diane Ghirardo, Peter Eisenman. "The Architecture of the City". Cambridge, 1984.
- Ruskin, John. „Seven Lamps of Architecture" Bibliolife Charlestone, 2009.
- Saggio, Antonino. „The IT Revolution in Architecture. Thoughts on a paradigm shift" New York, 2010.
- Sakamoto, Tomoko (red), i in. "Verb Natures" Actar's boogazine vol.5, Barcelona, 2006.
- Sakamoto, Tomoto (red). „From Control to Design; Parametric/Algorithmic Architecture", Barcelona 2008.
- Schmitt, Gerhard. "Information Architecture" Basel, 1999.
- Scholfield, Peter Hugh. "Theory of Proportion in Architecture" Cambridge, 1958.
- Semper, Gotfried. „The Four Elements of Architecture and Other Writings"; Cambridge, 1989.