



COURSE DESCRIPTION CARD - SYLLABUS

Course name

HISTORY AND THEORY OF ARCHITECTURE IN CONTEMPORARY SCIENTIFIC RESEARCH. SELECTED ASPECTS OF THE ISSUE

Course

Proposed by Discipline

Architecture and Urban Planning

Type of studies

Doctoral School

Form of study

full-time

Year/Semester

II/3, III/5

Course offered in

English

Requirements

elective

Number of hours

Lecture

4

Tutorials

Projects/seminars

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

dr hab. inż. arch. Adam Nadolny, prof. PUT

email: adam.nadolny@put.poznan.pl

phone: +48 61 665 3322

Faculty of Architecture

Poznan University of Technology

ul. J. Rychlewskiego 2, 60-965 Poznan, Poland

Responsible for the course/lecturer:

Prerequisites

Knowledge: basic knowledge of general history. Basic knowledge in the understanding of social, economic, legal and other determinants outside the engineering activity of historical process in Europa and worldwide.

Skills: the use of available sources of information, including electronic sources. Student has the ability to correctly conclude on the basis of data from different sources.

Social competencies: understanding of the need to broaden the competences, readiness to work together in a group.



Course objective

1. Presentation of knowledge state of the most important directions and trends in contemporary architecture.
2. Knowledge of the most important theoretical tendencies for architectural creativeness in the second half of 20th century and at the beginning of twenty-first century.
3. Presentation and critical analysis of selected example and the most important architectural theories of 20th century and at the beginning of twenty-first century.

Course-related learning outcomes

Knowledge

A PhD student who graduated from doctoral school knows and understands:

- 1) global achievements, covering theoretical foundations as well as general and selected specific issues that are relevant to scientific disciplines studied at the doctoral school, to the extent that enables revision of existing paradigms, [P8S_WG/SzD_W01]
- 2) key developmental trends of science disciplines in which education takes place at the doctoral school, [P8S_WG/SzD_W02]
- 3) scientific research methodology in disciplines represented at the doctoral school, [P8S_WG/SzD_W03]
- 4) principles of promoting scientific activity results, also in an open access mode, [P8S_WG/SzD_W04]
- 5) fundamental dilemmas of the contemporary civilization, [P8S_WK/SzD_W05]
- 6) economic, legal, ethical and other vital conditions related to scientific activity, [P8S_WK/SzD_W06]
- 7) basic conditions of knowledge transfer to the economic and social sphere as well as commercialization of the results of scientific activities and know-how related to these results. [P8S_WK/SzD_W07]

Skills

A PhD student who graduated from doctoral school can:

- 1) use the knowledge from different branches of science to creatively identify, formulate and to innovatively solve complex problems or to execute research tasks in particular:
 - define the aim and subject of scientific research, form a research hypothesis,
 - develop research methods, techniques and tools and use them creatively,
 - draw conclusions on the basis of research results, [P8S_UW/SzD_U01]
- 2) critically analyze and assess scientific research results, work of experts and other creative activities together with their contribution into knowledge development, [P8S_UW/SzD_U02]
- 3) transfer the results of scientific activity to the economic and social sphere, [P8S_UW/SzD_U03]
- 4) communicate on specialist issues on the level that allows active participation in the international scientific community, [P8S_UK/SzD_U04]
- 5) share results of scientific activity also in a popular form, [P8S_UK/SzD_U05]
- 6) initiate debates, [P8S_UK/SzD_U06]
- 7) take part in scientific discourse, [P8S_UK/SzD_U07]
- 8) use the English language on at least B2 level, according to the Common European Framework of Reference for Languages (CEFR), to a degree which allows active participation in the international scientific and professional community, [P8S_UK/SzD_U08]



- 9) plan and implement individual and team research projects, also in the international community, [P8S_UO/SzD_U09]
- 10) independently plan and act for their self-development as well as inspire and organize development of others, [P8S_UU/SzD_U010]
- 11) plan classes and groups of classes and conduct them with the use of up-to-date methods and tools. [P8S_UU/SzD_U011]

Social competences

A PhD student who graduated from doctoral school is ready to:

- 1) critically assess the achievements within a given scientific discipline, [P8S_KK/SzD_K01]
- 2) critically evaluate their own contribution to the development of a given scientific discipline, [P8S_KK/SzD_K02]
- 3) acknowledge the importance of knowledge in solving cognitive and practical problems, [P8S_KK/SzD_K03]
- 4) fulfilling the social obligations of researchers and creators, [P8S_KO/SzD_K04]
- 5) initiate actions in the public interests, [P8S_KO/SzD_K05]
- 6) think and act in an entrepreneurial manner, [P8S_KO/SzD_K06]
- 7) maintain and develop the ethos of research and creative communities, including:
 - conducting independent scientific activity,
 - respecting the principle of public ownership of the results of scientific activities, including the principles of intellectual property protection. [P8S_KR/SzD_K07]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

| PQF code | Methods for verification of learning outcomes | Assessment criteria |
|---|--|---|
| W01, W02, W03, W04, W05, W06, W07 | On-line test with reference to learning outcomes and study materials | With reference to the specific criteria |
| U01, U02, U03, U04, U05, U06, U07, U08, U09, U010, U011 | On-line test with reference to learning outcomes and study materials | With reference to the specific criteria |
| K01, K02, K03, K04, K05, K06, K07 | On-line test with reference to learning outcomes and study materials | With reference to the specific criteria |



Programme content

1. The theoretical ideas of the city in contemporary scientific research (Presentation of the most important theories of city base on the theory of Christopher Alexander, Presentation of the most important theories of city base on the theory of Kevin Lynch, Presentation of the most important theories of city base on the theory of Aldo Rossi).
2. Architecture, history, utopia, the theoretical discourse (Presentation of the idea of Architecture and Utopia base on the theory of Manfredo Tafuri, Presentation of the idea of Architecture and Theories base on the theory of Manfredo Tafuri).
3. Architecture and the Senses in contemporary scientific research (Presentation of the idea of Architecture base on the theory of Juhani Pallasmaa, Presentation of the idea of Architecture base on the theory of Robert Venturi).
4. Words and Buildings: A Vocabulary of Modern Architecture (Presentation of the complex relationship between architecture and language as intricate social practices).

Teaching methods

Lecture: multimedia presentation including illustrations and examples.

Bibliography

Basic

1. Alexander Ch., "A Pattern Language: Towns, Buildings, Construction", Center for Environmental Studies, Berkley,(1977).
2. Banham R. "Theory and Design in the First Machine Age" (1960).
3. Frampton F, "Modern Architecture: A Critical History" Thames &Hudson (1980).
4. Forty A., "Words and Buildings: A Vocabulary of Modern Architecture" Thames &Hudson (2004).
5. Jarzombek M." The Psychologizing of Modernity: Art, Architecture and History" Cambridge (2000).
6. Lynch K. The Image of the City Harvard-MIT Joint Centre for Urban Studies Series, (1964).
7. Pallasmaa J., "The Eyes of the Skin: Architecture and the Senses" Wiley (2005).
8. Rossi A., "The Architecture of the City Oppositions Book "(1966).
9. Tafuri M., "Theories and History of Architecture" Harper & Row, (1980).

Additional

1. Curtis W. J R, "Modern Architecture Since 1900", Phaidon, (1994).
2. Giedion S, "Space, Time and Architecture: The Growth of a New Tradition" Harvard University Press (1967).
3. Jencks Ch., "Modern Movements in Architecture" Penguin Art & Architecture (1973).



Breakdown of average student's workload

| | Hours | ECTS |
|---|-------|------|
| Total workload | 18 | 1.0 |
| Classes requiring direct contact with the teacher | 8 | 0.5 |
| Student's own work (literature studies, project preparation) ¹ | 10 | 0.5 |

¹ delete or add other activities as appropriate