

## **Courses offered by Department of Architecture**

### **Basic science courses**

#### **Structural architecture, dr hab. inż. Romuald Tarczewski**

To familiarize students with the concept and the most important characteristics of structural architecture and with the methods of evaluation of structure as an art form through critical analysis of selected major works of structural architecture. Acquisition by the students ability to analyze structural forms on the conceptual, semantic and symbolic level.

#### **The Progressive Architecture Last Quarter of a Century - Qualities and Beauty, dr inż. arch. Tomasz Głowacki**

Developing skills in architectural analysis, in drawing conclusions and in comprehensive thinking in shaping the theory of architecture.

### **Specialized courses**

#### **e-Architecture: The Game Strategies in Architectural Design, dr inż. arch. Ada Kwiatkowska**

The skills of the expression of architectural ideas by using of different graphic tools and digital technologies. The theoretical theses of doctoral dissertation should relate to the subject of the research project of e-ArchiLab. Knowledge of the problems of theory of: architectural ideas, information, aesthetics of inter-media.

#### **Concept of layering in architecture, dr hab. inż. arch. Marcin Brzezicki**

Development of the candidate's skills for independent analysis of source texts, drawing conclusions, finding connections. Creating a robust tool for critical analysis of the latest trends in contemporary architecture, and for the verification of research hypotheses.

#### **Planning in socio-political perspective, dr hab. inż. arch. Magdalena Belof**

To acquaint the students with the ideas that formed foundations for modern urban planning and the basic directions of modern planning theories. To familiarize students with the directions of contemporary planning in response to the current civilization challenges, and with the role of urban planners in contemporary society.

#### **Substantive analysis of architectural concepts, dr inż. arch. Łukasz Wojciechowski**

The goal of the course is describing and studying methods of analysis, critics and judgment over architectural concepts and projects. Formulating spoken and written opinions about architecture, first steps in critics.

#### **Urban futures, dr hab. inż. arch. Izabela Mironowicz**

Introduction to the current urban planning and development problems and challenges from the perspective of European debates and promoted policies; specific topics can vary across the semesters and they can include according to the discussion with the students for example: transportation policies in the context of sustainable urban development, migration issues in the

cities, health and green infrastructure, new models of urban governance, metropolitan areas, “big urban projects”, multicultural societies; which will be also studied in the local context (selected city as a case).

### **Humanities**

#### **The newest architecture, dr inż. arch. Barbara Widera**

In-depth introduction to the newest tendencies in development of contemporary architecture. Strengthening students' skills and habits of analyzing contemporary architecture and relating theories.

### **Interdisciplinary seminars**

#### **Design by Research, dr inż. arch. Bogusław Wowrzeczka**

To acquire students' knowledge of the methodology and research methods used in the design process, the knowledge that gives rise to innovative projects in the field of architecture and urban planning using research tools. Operational knowledge of a variety of research methods and strategies that will provide the basis for independent research in the development of any innovative project in the field of architecture or urban planning.

#### **Methods of developing research, prof. dr hab. arch. Ewa Łużyniecka**

Teaching basic concepts of scientific literature and writing research papers. Teaching practical use of scientific literature and factographic databases. Basic concepts of organization and funding scientific research.

#### **The methodology of scientific research, dr hab.inż. arch. Jacek Kościuk**

Familiarizing doctoral students with the methodology of research work. Mastering of skills in preparation and oral presentation of seminar via delivering multimedia presentation in English language.

#### **Architectural research of historical monuments, dr inż. arch. Andrzej Legendziewicz**

Teaching students using the research of historical architecture as research tool for the analysis of historical structures and a tool for projecting. Development of the candidate's skills for independent analysis of source texts, drawing conclusions, finding connections. Creating a robust tool for critical the project of renovation the historical monuments, and for the verification of research hypotheses.

