

**EDUCATIONAL EFFECTS FOR THE MAJOR:
ARCHITECTURE AND URBAN PLANNING
FACULTY: ARCHITECTURE**

The name of the major: **Architecture**

Educational Level: **2nd cycle studies**

Educational Profile: **general academic**

symbol	major educational effects	reference to educational effects for the area of technical sciences Journal of Laws No 253
	KNOWLEDGE The student has acquired knowledge included in the following points:	
K2A-W01	Knowledge of theory and advanced principles of architectural and urban design.	T2A_W01 T2A_W03 T2A_W04 T2A_W05 T2A_W07
K2A-W02	Knowledge of the life cycle of buildings and structures.	T2A_W06
K2A-W03	Knowledge of construction law as well as technical and construction regulations.	T2A_W02 T2A_W03 T2A_W09 T2A_W10 T2A_W11
K2A-W04	Knowledge of history and theory of architecture, urban planning theory, fine arts, technical sciences and arts.	T2A_W02 T2A_W03 T2A_W04 T2A_W08
K2A-W05	Knowledge of issues concerning conservation and protection of historic buildings, urban complexes and cultural landscape.	T2A_W03 T2A_W04 T2A_W07
K2A-W06	Knowledge of issues concerning development and regional planning in Poland and countries in the European Union, including elements and methods of a development planning process.	T2A_W03 T2A_W04
K2A-W07	Understanding of interdisciplinary determinants of development planning.	T2A_W08
K2A-W08	Knowledge necessary to understand social, legal and other extra-technical factors of an engineering activity and to consider them in an engineering practice.	T2A_W08
K2A-W09	Understanding of the character and specificity of the profession of an architect. Basic knowledge of managing an economic activity in the field of design.	T2A_W09 T2A_W11
K2A-W10	Basic knowledge of management, including quality management.	T2A_W09
K2A-W11	Knowledge of design economics and organization of procedures connected with an investment process.	T2A_W08
K2A-W12	Knowledge of methodology of research works.	T2A_W01 T2A_W05 T2A_W07

SKILLS		
The student has acquired skills included in the following points:		
K2A-U01	Ability to prepare and develop a conception of a facility with a complex function together with the surroundings, meeting both aesthetic and technical requirements, including principles of sustainable development and facilities for the disabled.	T2A_U02 T2A_U10 T2A_U12 T2A_U17 T2A_U18 T2A_U19
K2A-U02	Ability to consider location and climate conditions while developing a conception of a design.	T2A_U10 T2A_U12 T2A_U15 T2A_U17 T2A_U18 T2A_U19
K2A-U03	Ability to consider construction, building and engineering factors in a design.	T2A_U10 T2A_U12 T2A_U16 T2A_U17 T2A_U18 T2A_U19
K2A-U04	Ability to apply research methods in architecture.	T2A_U01 T2A_U03 T2A_U10 T2A_U11 T2A_U15 T2A_U16 T2A_U18
K2A-U05	Ability to do an analysis and evaluation of the current solutions in the field of architecture and urban planning.	T2A_U01 T2A_U03 T2A_U11 T2A_U12 T2A_U15 T2A_U18
K2A-U06	Ability to prepare a functional and development programme of a designed facility on the basis of a study of user's needs.	T2A_U01 T2A_U02 T2A_U10 T2A_U16 T2A_U17 T2A_U19
K2A-U07	Ability to mould a building's solid and select modern technological solutions paying attention to improvement of a building's internal environment, an increase in its energy-efficiency and a decrease in the negative influence on the natural environment.	T2A_U10 T2A_U12 T2A_U15 T2A_U16 T2A_U17 T2A_U18 T2A_U19
K2A-U08	Ability to interpret and explain social phenomena and mutual relations between people, buildings and the environment.	T2A_U01 T2A_U02 T2A_U03 T1A_U04 T2A_U08 T2A_U10 T2A_U11 T2A_U15 T2A_U17

K2A-U09	Ability to assess critically the range of one's individual knowledge and to understand the necessity of self-education.	T2A_U01 T2A_U05 T2A_U15
K2A-U10	Ability to use skills in the field of fine arts, artistic techniques and computer assistance of design works to create and present projects.	T2A_U02 T1A_U04 T2A_U07 T2A_U08 T2A_U09 T2A_U10 T2A_U18 T2A_U19
K2A-U11	Ability to develop a design of an intricate urban complex and urban programme (e.g. revitalisation programme).	T2A_U01 T2A_U16 T2A_U17 T2A_U18 T2A_U19
K2A-U12	Ability to prepare layouts for basic planning documents, develop a study and prepare a land development plan.	T2A_U01 T2A_U10 T2A_U16 T2A_U17 T2A_U18
K2A-U13	Ability to restore a constructed space and design its restoration.	T2A_U08 T2A_U09 T2A_U15 T2A_U16 T2A_U17 T2A_U18
K2A-U14	Ability to conduct basic historical analyses, formulate conclusions and prepare conservation guidelines on the architectural and urban scales.	T2A_U01 T2A_U03 T1A_U04 T2A_U08 T2A_U09 T2A_U10 T2A_U11 T2A_U15 T2A_U16 T2A_U17
K2A-U15	Ability to design contemporary architectural structures in relation to and respecting the historical context, including the surroundings of historic buildings.	T2A_U10 T2A_U16 T2A_U17 T2A_U19
K2A-U16	Ability to develop an adaptation project of a historic architectural facility/complex of buildings for the needs of the new function.	T2A_U10 T2A_U15 T2A_U16 T2A_U17 T2A_U18 T2A_U19
K2A-U17	Preparation necessary to take on professional duties and knowledge of work safety and hygiene rules connected with the profession.	T2A_U13 T2A_U19
K2A-U18	Ability to do an initial economic analysis of undertaken engineering activities.	T2A_U09 T2A_U10 T2A_U14
K2A-U19	Broadened knowledge of both general technical vocabulary as well as the specialist one for the studied course. Knowledge of grammar structures and sentence constructions used in professional texts.	T2A_U01 T2A_U02 T2A_U03 T1A_U04

K2A-U20	Knowledge of a selected modern language on the B2+ competence level according to the CEFR for Languages by the European Council. Ability to search for information in a foreign language in different types of sources.	T2A_U01 T2A_U02 T2A_U03 T2A_U06
K2A-U21	Basic knowledge of another selected modern language.	T2A_U02 T2A_U03
	COMPETENCES The student has acquired competences included in the following points:	
K2A-K01	Ability to define priorities, identify and solve dilemmas connected with carrying out a given task.	T2A_K02 T2A_K03 T2A_K04 T2A_K05
K2A-K02	Awareness of the role of an architect in society, understanding of extra-technical aspects and effects of the activity of an architect/urban planner and connected with it responsibility for taken decisions and their influence on the environment quality.	T2A_K02 T2A_K05
K2A-K03	Awareness of the social role of a technical university graduate, understanding of the necessity to formulate and convey to the society information and opinion concerning technical achievements and other aspects of engineer's activity; readiness to convey information in a comprehensive way, justifying various points of view.	T2A_K01 T2A_K07
K2A-K04	Understanding of the necessity to behave in accordance with the rules of professional ethics.	T2A_K02 T2A_K03 T2A_K05
K2A-K05	Understanding of the need to respect cultural heritage.	T2A_K02 T2A_K04
K2A-K06	Understanding of the need to use energy-saving solutions and solutions economically adjusted to the taken actions.	T2A_K02 T2A_K04
K2A-K07	Preparation to take on professional duties in the field of architectural and urban design.	T2A_K03 T2A_K04
K2A-K08	Ability to cooperate in a team taking on different roles.	T2A_K01 T2A_K03 T2A_K04
K2A-K09	Preparation to design and manage construction works in the architectural specialization.	T2A_K03 T2A_K04 T2A_K06
K2A-K10	Preparation to manage architectural and urban design studios as well as to coordinate works in multi-branch design teams.	T2A_K03 T2A_K04
K2A-K11	Preparation to achieve professional qualifications required by the law.	T2A_K01
K2A-K12	Ability to think and act in a creative and resourceful way.	T2A_K04 T2A_K06
K2A-K13	Preparation to manage an economic activity individually.	T2A_K02 T2A_K03 T2A_K04 T2A_K06
K2A-K14	Understanding of the necessity for life-long learning. Ability to determine the direction of further education and to realize the process of self-education. Preparation to take up 3 rd cycle studies (PhD studies).	T2A_K01