

EFFECTS OF EDUCATION FOR A MAJOR

DEPARTMENT OF COMPUTER SCIENCE AND MANAGEMENT

Study major: MANAGEMENT

Degree of the studies: 1ST DEGREE STUDIES

Field of Knowledge/Education: FIELD OF SOCIAL SCIENCES

Field of science: DOMAIN OF ECONOMIC SCIENCES

Scientific discipline: MANAGEMENT SCIENCES

Profile: GENERAL ACADEMIC

No.	Symbols for effects of education for the major	EFFECTS OF EDUCATION FOR THE MAJOR First degree studies After graduating from first degree studies majoring in <i>Management, a graduate will characterised by the following knowledge and abilities</i>	Polish Qualifications Framework
KNOWLEDGE			
1.	K1_ZARZ_W01	Can explain the nature and the place of economic science in the system of sciences, as well as their relations with other social and technical sciences. Can explain the origin and evolution of economic science, including management science.	P6U_W P6S_WG P6S_WG1 P6S_WG2 P6S_WG3 P6S_WK
2.	K1_ZARZ_W02	Arranges and systematises fundamental knowledge in various economic sciences. Distinguishes between and characterises basic types of economic systems and their elements.	P6U_W P6S_WG P6S_WG1 P6S_WG2 P6S_WK
3.	K1_ZARZ_W03	Knows and explains the content of basic economic terms, laws and dependencies at the microeconomic and the macroeconomic scale. Characterises major theories in economics. Knows the basic purposes and institutions of a market economy and their functions.	P6U_W P6S_WG P6S_WG1 P6S_WG2 P6S_WK

4.	K1_ZARZ_W04	Understands the basic legal regulations governing the establishment and functioning of an economic organisation. Knows and understands the basic notions and principles of industrial property protection and copyright.	P6U_W P6S_WK
5.	K1_ZARZ_W05	Distinguishes between and characterises basic types and forms of organisation, identifies their objectives and other elements. Can explain key concepts in the theory of organisation with regard to their formation, functioning, transformation and development.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK
6.	K1_ZARZ_W06	Identifies inter-organisational relations and the interactions of an organisation with the environment in the context of national, international and intercultural determinants. Explains and illustrates the influence of environmental impacts on the activities of an organisation.	P6U_W P6S_WG P6S_WG1 P6S_WG2 P6S_WK
7.	K1_ZARZ_W07	Explains the essence of management, knows basic trends (schools) in the theory of organisation and management. Recognises the conceptual basics of management, interprets functions of management. Applies basic classification criteria to management methods and techniques. Describes selected management methods and techniques.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK
8.	K1_ZARZ_W08	Fundamental knowledge regarding organisational structures, structure-making factors and their shaping processes.	P6U_W P6S_WG P6S_WG1 P6S_WK
9.	K1_ZARZ_W09	Identifies functional areas of an enterprise, relations between them, as well as key factors shaping the effectiveness and efficiency of operations implemented in those functional areas.	P6U_W P6S_WG P6S_WG1 P6S_WK
10.	K1_ZARZ_W10	Describes basic notions, identifies problems, characterises methods and tools of marketing and sales. Knows and explains the essence and phases in the marketing management of an organisation. Classifies and characterises consumer behaviour.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK
11.	K1_ZARZ_W11	Knows and characterises elements of the financial system. Basic knowledge of accounting, corporate finance and finance management. Knows the standards of financial reporting and methods for evaluating the economic and financial situation of an organisation, as well as investment efficiency calculus.	P6U_W P6S_WG P6S_WG1 P6S_WK
12.	K1_ZARZ_W12	Basic knowledge of human resources in an organisation and their strategic nature. Knows the objectives, elements and determinants of the staff management process and characterises their mutual relations. Indicates and classifies instruments for selecting, motivating, developing, evaluating, rewarding employees; knows the principles of their effective use.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK

13.	K1_ZARZ_W13	Knows basic notions and tools for the management of production and services. Basic knowledge of the functioning of production systems and processes. Knows basic methods for production and service management.	P6U_W P6S_WG P6S_WG1 P6S_WK
14.	K1_ZARZ_W14	Basic knowledge of logistic systems and processes; recognises their elements. Knows the objectives and functions of logistics in an organisation and supply chain.	P6U_W P6S_WG P6S_WG1 P6S_WK
15.	K1_ZARZ_W15	Explains the essence and meaning of issues of quality in management, knows the basic notions, objectives, regularities and problems associated with quality management. Identifies areas for improving the quality of resources, structures, processes, procedures and their determinants and, as a result, - the quality of products and services. Understands the ideas of standardisation and certification in an organisation.	P6U_W P6S_WG P6S_WG1 P6S_WK
16.	K1_ZARZ_W16	Basic knowledge of methods and techniques for diagnosing and improving particular areas of the operations of functional organisations, as well as selected methods of examining the environment of an enterprise. Knows basic norms and standards in particular functional areas.	P6U_W P6S_WG P6S_WG1 P6S_WG2 P6S_WK
17.	K1_ZARZ_W17	Basic knowledge of the psychology and sociology of organisation. Interprets the basic concepts of a person and explains motivation theories. Characterises the essence and determinants of leadership.	P6U_W P6S_WG P6S_WG1 P6S_WG3
18.	K1_ZARZ_W18	Basic knowledge of the regularities between organisational behaviour and their determinants. Knows the principles of the building and functioning of teams and factors affecting their efficiency. Describes the notion of organisational culture and its importance in management. Knows basic measures and systems of communication in organisations and the characteristics of efficient communication process.	P6U_W P6S_WG P6S_WG1 P6S_WG3
19.	K1_ZARZ_W19	Explains the essence of managing change in an organisation, indicates the sources of resistance against changes and ways of neutralising them.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK
20.	K1_ZARZ_W20	Explains the essence, objectives and principles of project management. Knows the methodology and instruments of project management.	P6U_W P6S_WG P6S_WG1
21.	K1_ZARZ_W21	Explains the notion of innovation and distinguishes between its types. Recognises the characteristics and determinants of innovativeness of an organisation. Describes innovative processes occurring within an organisation. Characterises the essence and forms of entrepreneurship and identifies the conditions for its formation and development.	P6U_W P6S_WG P6S_WG1 P6S_WG3 P6S_WK

22.	K1_ZARZ_W22	Knows basic rules of physics, explains the impact of the material work environment on the encumbrance of an employee.	P6U_W P6S_WG P6S_WG1 P6S_WK
23.	K1_ZARZ_W23	Knows the calculus of vectors and matrix calculus. Basic knowledge of mathematical analysis: extremes of functions, differential and integral calculus, functions of one and several variables. Basic knowledge of differential equations. Knows mathematical methods used in economics and in management sciences.	P6U_W P6S_WG P6S_WG1
24.	K1_ZARZ_W24	Knowledge with regard to the development and application of mathematical and IT tools in various functional fields of an organisation.	P6U_W P6S_WG P6S_WG1 P6S_WK
25.	K1_ZARZ_W25	Knows basic statistical methods and IT tools for the collection, analysis and presentation of data describing economic and social processes.	P6U_W P6S_WG P6S_WG1
26.	K1_ZARZ_W26	Knows the basic characteristics of IT management systems and the basics for constructing classifications of such systems. Describes the basic elements of methodologies for building and implementing IT management systems.	P6U_W P6S_WG P6S_WG1 P6S_WK
27.	K1_ZARZ_W27	Deepened knowledge within the chosen specialty: - Enterprise Management (ZP)- Appendix no. 1 - Organisational Management (OM) – Appendix no. 2	

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		SKILLS	
1.	K1_ZARZ_U01	Able to initiate business operations, selects organisational and legal forms, formulates organisational objectives and prepares actions designed to attain them efficiently.	P6U_U P6S_UW P6S_UW1 P6S_UW2 P6S_UW3

2.	K1_ZARZ_U02	Able to analyse and evaluate objectives, characteristics, elements, processes, functional areas in an organisation and internal and inter-organisational relations using basic notions and theoretical perspectives related to economic sciences.	P6U_U P6S_UW P6S_UW1 P6S_UW2
3.	K1_ZARZ_U03	Ability to analyse the causes and dynamics of phenomena in an organisation and its environment. Able to identify and analyse typical management and practical problems in an organisation and in its functional areas.	P6U_U P6S_UW P6S_UW1 P6S_UW2
4.	K1_ZARZ_U04	Able to select sources of information and use them in solving typical management and practical problems in an organisation and its functional areas.	P6U_U P6S_UW P6S_UW1 P6S_UW2
5.	K1_ZARZ_U05	Able to use selected methods and tools (including mathematical, statistical, IT) to identify, analyse and solve typical management and practical problems in an organisation and its functional areas.	P6U_U P6S_UW P6S_UW1 P6S_UW2
6.	K1_ZARZ_U06	Able to use normative systems and apply relevant norms and standards (legal, professional, moral) to specific activities in an organisation.	P6U_U P6S_UW P6S_UW3
7.	K1_ZARZ_U07	Able to formulate alternative solutions to typical management and practical problems in an organisation and in its particular functional areas. Able to justify, select and verify solutions according to set priorities.	P6U_U P6S_UW P6S_UW1 P6S_UW2 P6S_UW3
8.	K1_ZARZ_U08	Able to apply the principles and instruments of efficient planning and resource management in order to perform individual and team tasks.	P6U_U P6S_UW P6S_UW2
9.	K1_ZARZ_U09	Able to prepare management plans for changes in an organisation and select methods of managing typical plans of changes in an organisation.	P6U_U P6S_UW P6S_UW1 P6S_UW2
10.	K1_ZARZ_U10	Able to identify, interpret and evaluate behaviour of the members of an organisation and use typical techniques of influence on those behaviours.	P6U_U P6S_UW P6S_UW2
11.	K1_ZARZ_U11	Able to use selected methods and techniques, as well as measures for evaluating and forecasting the results of operations in an organisation.	P6U_U P6S_UW P6S_UW1 P6S_UW2

12.	K1_ZARZ_U12	Able to select and develop simple IT instruments for finding solutions to typical management and practical problems in an organisation and its particular functional areas	P6U_U P6S_UW P6S_UW1 P6S_UW2
13.	K1_ZARZ_U13	Applies theoretical knowledge from the field of physics in order to optimise working conditions, taking account of the material environment.	P6U_U P6S_UW P6S_UW1 P6S_UW2
14.	K1_ZARZ_U14	Possesses elementary research skills making it possible to analyse examples of research, as well as conducting simple research in the field of management sciences; able to formulate conclusions, prepare and present results and indicate directions for further research.	P6U_U P6S_UW P6S_UW1 P6S_UW2
15.	K1_ZARZ_U15	Able to use various Polish and foreign language sources of information on their own, particularly in professional literature. Able to integrate the information acquired and use it in order to deepen their specialist knowledge associated with the field of social sciences and the discipline of management sciences.	P6U_U P6S_UW P6S_UW1 P6S_UW2 P6S_UW3 P6S_UK P6S_UO P6S_UU
16.	K1_ZARZ_U16	Understands oral and written descriptions of general and scientific topics associated with the field of social sciences and the discipline of management sciences. Able to present statements (oral and written), participate in discussions and present their opinions in an international professional environment - in a foreign language.	P6U_U P6S_UW P6S_UW1 P6S_UW2 P6S_UW3 P6S_UK P6S_UO P6S_UU
17.	K1_ZARZ_U17	Possesses expanded skills within the chosen specialty: - Enterprise Management (ZP)- Appendix no. 1 - Organisational Management (OM) – Appendix no. 2	

No.	Symbols for effects of education for the major	<p style="text-align: center;">EFFECTS OF EDUCATION First degree studies After graduating from first degree studies majoring in <i>Management</i>, a graduate will characterised by the following knowledge and abilities:</p>	<p style="text-align: center;">Polish Qualifications Framework</p>
SOCIAL COMPETENCES			

1.	K1_ZARZ_K01	Aware of the need for unassisted development of their knowledge and professional skills within organisation and management sciences. Able to develop this knowledge and improve skills on their own.	P6U_K P6S_KK P6S_KR
2.	K1_ZARZ_K02	Able to cooperate and work in group and team forms of work organisation (assuming different roles in them). Able to organise the work of small teams and to manage them.	P6U_K P6S_KO P6S_KR
3.	K1_ZARZ_K03	Prepared to assume responsibility for entrusted tasks. Able to appropriately define priorities in their own work and in cooperation with others in connection with performing various organisational roles.	P6U_K P6S_KK P6S_KO P6S_KR
4.	K1_ZARZ_K04	Prepared to identify and analyse social problems in the workplace. Able to flexibly seek methods of solving them.	P6U_K P6S_KO P6S_KR
5.	K1_ZARZ_K05	Prepared to initiate changes at the workplace and participate in their planning and implementation. Able to think and act in an enterprising manner.	P6U_K P6S_KK P6S_KO
6.	K1_ZARZ_K06	Prepared to communicate, persuade and defend their views in order to achieve common goals. Prepared to behave in a professional and ethical manner.	P6U_K P6S_KK P6S_KO P6S_KR
7.	K1_ZARZ_K07	Is conscious of the need of individual and group activity which goes beyond the activities required in their studies	P6U_K P6S_KK P6S_KR