

COURSE DESCRIPTION CARD

Białystok University of Technology										
Field of study	Civil Engineering							Degree level and programme type	Bachelor's degree	
Specialization/ diploma path								Study profile	academic profile	
Course name	Organization of Building Works							Course code	19284118H	
								Course type	obligatory	
Forms and number of hours of tuition	L	C	LC	P	SW	FW	S	Semester	6	
	32			32				No. of ECTS credits	5	
Entry requirements	General building engineering, Technology of construction works									
Course objectives	Familiarizing students with the organization of works on the construction site. Introducing and teaching students methods of organization of construction works, execution and reading of construction schedules, network graphs. After completing the course, the student is able to organize the work on his own construction.									
Course content	Lecture: Definition of the organization of construction works, planning and organization of the construction process. Methods organization of construction works. Schedules and network charts. Development of the construction site. Health and Safety Protection Plan. Project: Students prepare the project of a technological construction process, learn how to create a network using the CPM method. The project covers the development of the construction site.									
Teaching methods	Information lecture, problem lecture, project method, discussions in working teams.									
Assessment method	Lecture - written exam, Project: prepare and defence the project.									
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study		
L01	Student knows the basic concepts and principles of identifying technological processes in construction and has the necessary knowledge of the type of operating parameters of machines used in construction.							K_B1_W08 K_B1_W11 K_B1_W12		
L02	Student analyzes the technological process of construction works, divide a simple process into operations and assign machines to their execution.							K_B1_W11 K_B1_W08 K_B1_U11		
L03	Student can design sets of machines to perform construction processes, using the method of complex mechanization with computer aid. Students knows the rules of							K_B1_W02 K_B1_W08 K_B1_U07 K_B1_U10		

	safety and health protection in the implementation of construction works	
L04	Student is able to prepare a design of technology for construction works: earthworks, monolithic and assembly works. He/she can calculate the efficiency and working time of machines used to perform individual processes, can work in a team	K_B1_U02 K_B1_U07 K_B1_U10 K_B1_U14
L05	Student can use internet and other databases (e.g. product catalogs, consultation with experts, etc.)	K_B1_K02
Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
L01	Written exam	L
L02	Written exam, defence of the project	L,P
L03	Written exam, defence of the project	L,P
L04	Defence of the project	P
L05	Defence of the project	P
Student workload (in hours)		No. of hours
Calculation	Lecture attendance	32
	Project attendance	32
	Preparation for project classes and project execution	30
	Preparation for defence of the project	15
	Preparation for exam	20
	Attendance in consultation	3
	TOTAL:	132
Quantitative indicators		HOURS No. of ECTS credits
Student workload – activities that require direct teacher participation		67 2,5
Student workload – practical activities		77 3
Basic references	1. Chandler I. Building Technology. Site Organization and Method. Mitchell, London, 1992. 2. Nicholson A.S., Ridd J.E., Health Safety and Ergonomics, 1998. 3. Khushabi Nobar S, Tafarjkhah M, Beygzadeh Y. Effect of information technology on organizational structure of public libraries (Case study: Public libraries in the city of Tabriz). Int J Curr Life Sci 2014;4:2405–11.	
Supplementary references	1. Azizi A, Morad Veisi F, Amirian F, Dargahi A, Mohammadi S, Poursadeghiyan M, et al. Epidemiology of lower limb fractures in patient of Taleghani hospital in Kermanshah in 2014. Res J Med Sci 2016;10:325–9 2. Abbasi M, Zakerian A, Mehri A, Poursadeghiyan M, Dinarvand N, Akbarzadeh A, et al. Investigation into effects of work-related quality of life and some related factors on cognitive failures among nurses. Int J Occup Saf Ergon 2017;23:386-92	
Organisational unit conducting the course	Department of Construction and Road Engineering	Date of issuing the programme

Author of the programme		
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L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work,

S – seminar