

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Construction process Design		Code 1010112121010115661
Field of study Civil Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 1 / 2
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 30 Classes: 15 Laboratory: - Project/seminars: -		No. of credits 3
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 3 100% 3 100%
Responsible for subject / lecturer: dr hab. inż. Jerzy Paślowski email: jerzy.paslowski@put.poznan.pl tel. +48616652113 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		Responsible for subject / lecturer: Mgr inż. Aneta Kończak email: aneta.konczak@put.poznan.pl tel. +48616652474 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student knows the basic design methods of construction processes
2	Skills	Student can present a network model (technological and organizational)
3	Social competencies	Expanding its expertise in the field of management of construction processes
Assumptions and objectives of the course: Indication of the rules of selection methods for designing production processes depending on: the possibility of organization, type of job, impact the environment and attitude of the decision maker		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Familiar with the basic operation of manufacturing processes - [K2_W10] 2. He knows the principles of risk management at the operational level - [K2_W10] 3. He knows the different methods of designing the building process - [K2_W08]		
Skills:		
1. Can apply appropriate methods to design the building process - [K2_U10] 2. Able to assess risk in a given process / project - [K2_U12] 3. Able to manage the risks specified in the construction process - [K2_U17]		
Social competencies:		
1. Able to operate in respecting the building an organization of professional ethics - [K2_K11] 2. He can manage themselves and others - [K2_K01] 3. Can formulate opinions on how to improve production processes - [K2_K10]		
Assessment methods of study outcomes		

<p>Student Work includes:</p> <ul style="list-style-type: none"> * Participation in meetings on site * Project - part of the risk management system * Written test <p>Rating scale (test):</p> <p>more than 100 targeted</p> <p>91-100 very good (A)</p> <p>81 - 90 good plus (B)</p> <p>71 - 80 Good (C)</p> <p>61 - 70 is sufficient plus (D)</p> <p>51 - 60 satisfactory (E)</p> <p>insufficient under 50 (F)</p>		
Course description		
<p>Definition of the construction process (investment), building stages of the investment process, the problems / faults construction investment process (examples), the evolution of management methods, systemic and situational approach, the organization as an entity implementing production processes in construction (model organization, its environment, the assessment of the effectiveness of the organization, stages of development of the organization), task (the specific criteria for classification), organizational design principles, principles of risk management in the construction industry at the operational level, the principles of project management / construction processes, methods, design processes in construction, depending on the capabilities of the organization, the impact of the environment and the type of tasks</p>		
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. Paolo R. Production and Manufacturing System Management - Coordination Approaches and Multi-Site Planning. IGI Global, 2013 2. A Guide to the Project Management Body of Knowledge (PMBOK? Guide), Project Management Institute. Fifth Edition, 2013 		
<p>Additional bibliography:</p>		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in lectures / seminars	30	
2. Preparing a presentation at a seminar	15	
3. Preparation for the test	15	
4. Work at home	30	
5. Visiting enterprices	4	
Student's workload		
Source of workload	hours	ECTS
Total workload	75	3
Contact hours	45	2
Practical activities	30	1