

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Design of Production Processes</b>		Code <b>1010115141010110269</b>
Field of study <b>Civil Engineering Extramural Second-cycle</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>2 / 4</b>
Elective path/specialty <b>Construction Engineering and Management</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>part-time</b>	
No. of hours Lecture: <b>30</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>15</b>		No. of credits <b>2</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>2 100%</b>
<b>Responsible for subject / lecturer:</b> dr hab. inż. Jerzy Pasławski email: jerzy.paslowski@put.poznan.pl tel. +48616652113 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		<b>Responsible for subject / lecturer:</b> mgr inż. Andrzej Karłowski email: ark_kom@wp.pl tel. +48616652190 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Zna podstawowe metody projektowania procesów budowlanych
2	<b>Skills</b>	Umie przedstawić model sieciowy (technologiczny i organizacyjny)
3	<b>Social competencies</b>	Poszerza swoją wiedzę w dziedzinie zarządzania procesami budowlanymi
<b>Assumptions and objectives of the course:</b> Wskazanie zasad doboru metody projektowania procesów produkcyjnych w zależności od: możliwości organizacji, rodzaju zadania, oddziaływania otoczenia i nastawienia decydenta		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Familiar with the basic operation of manufacturing processes - [-] 2. He knows the principles of risk management at the operational level - [-] 3. He knows the different methods of designing the building process - [-]		
<b>Skills:</b>		
1. Can apply appropriate methods to design the building process - [-] 2. Able to assess risk in a given process / project - [-] 3. Able to manage the risks specified in the construction process - [-]		
<b>Social competencies:</b>		
1. Able to operate in respecting the building an organization of professional ethics - [-] 2. He can manage themselves and others - [-] 3. Can formulate opinions on how to improve production processes - [-]		
<b>Assessment methods of study outcomes</b>		

<p>Student Work includes:</p> <ul style="list-style-type: none"> <li>* Participation in meetings on site</li> <li>* Project - part of the risk management system</li> <li>* Written test</li> </ul> <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>		
<b>Course description</b>		
<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><b>Basic bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Kapliński O. Metody i modele badań w inżynierii przedsięwzięć budowlanych. PAN, KILiW, IPPT, Seria Studia z Zakresu Inżynierii Nr 57. Warszawa 2007. str. 249</li> <li>2. Jaworski K. M.: Podstawy organizacji budowy. Wyd.1, 3 dodruk. Warszawa : Wydaw. Nauk. PWN, 2009.</li> </ol>		
<p><b>Additional bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Schroeder R.G. Operations Management. Decision making in the operations function, McGraw-Hill Book Company</li> </ol>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in lectures / seminars	30	
2. Preparing a presentation at a seminar	15	
3. Preparation for the exam	15	
4. Work at home	30	
5. Visiting enterprices	4	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	95	2
Contact hours	30	0
Practical activities	4	0