STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Construction process Design		**1010112121010115661**
Field of study: **Civil Engineering**	Profile of study (general academic, practical): **general academic**	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): **other**	(university-wide, from another field): **university-wide**	
Education areas and fields of science and art		ECTS distribution (number and %)

Responsible for subject / lecturer:

dr hab. inż. Jerzy Pasławski
email: jerzy.paslawski@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

Student Work includes:
* Participation in meetings on site
* Project - part of the risk management system
* Written test

Rating scale (test):
more than 100 targeted
91-100 very good (A)
81 - 90 good plus (B)
71 - 80 Good (C)
61 - 70 is sufficient plus (D)
51 - 60 satisfactory (E)
insufficient under 50 (F)

Course description

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

Basic bibliography:

Additional bibliography:

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