STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Building Processes Management II**		Code **1010102121010112098**
Field of study **Civil Engineering second-cykle studies**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 2**
Elective path/specialty **Costruction Engineering and Management**	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: **1** Classes: **-** Laboratory: **1** Project/seminars: **-**		No. of credits **2**
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**		ECTS distribution (number and %) **2 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	He knows fundamentals of the construction project organization, basic systems and mechanisms connected with the operating of the construction company
2	**Skills**	He can use tools and methods in the planning of the construction projects organization
3	**Social competencies**	He is conscious of the need of broadening his knowledge to the purpose of the possibility of more late solving complex problems

Assumptions and objectives of the course:

- knowing of chosen problems concerning planning and realization of construction projects,
- acquisition of practical skills of making the bid and auction specifications.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. He knows problems of the logistics of construction project , in this - logistics of construction site and logistics of services and supply management - [K_W11, K_W09, K_W10]
2. He knows basic problems connected with human resources management in construction process - [K_W13, K_W11]
3. He knows applications of modern techniques and technologies supporting in construction projects management - [K_W08, K_W09, K_W10]

Skills:

1. He can calculate norms of outlays basing on rules of technical normalizing - [K_U10, K_U12]
2. He can prepare elements of auction specification- SIWZ and the technical documentation - SSTWiO - [K_U12]
3. He can make risk analysis of construction project basing on the Prince 2 methodic - [K_U05]
4. He is able to use for the problem solving decision-making in engineering practice methods of the artificial intelligence - [K_U13]

Social competencies:

1. He identifies correctly problems associated with performed engineer activity - [K_K06, K_K04]
2. He perceives the importance of man as the basic unit of construction company - [K_K11]
3. He is able to think and to act in the creative and enterprising way - [K_K11]

Assessment methods of study outcomes

- lecture: 90 minute's test, in frames which the student is describing 5 detailed issues associated with the scope of the object,

- classes: the student is drawing up 3 studies which along with the verbal test are liable to a fragmentary evaluation. To every of exercises 5 hours of the laboratory are predicted. A final credit is applying to the student in the form of written test, during which the student is solving 3 practical problems. The final evaluation is a weighted average of evaluations from performed studies and the test.

Course description

- Technical standardizing to needs of managing the construction project (lecture+classes)
- Strategy formulation in auction proceedings (lecture)
- Preparing elements of documentation for the purposes of tenders and the selection of suppliers and contractors (lecture+classes)
- Logistics and marketing in the aspect of managing construction projects on various stages of the project (lecture)
- Human resources management to needs of the project realization (lecture)
- Modern methods and technologies supporting the construction project management (lecture+classes)

Basic bibliography:

1. Biruk S., Jaśkowski P., Sobotka A.: Zarządzanie w budownictwie. Wydawnictwo Politechniki Lubelskiej, Lublin, 2003
2. Dyżewski A.: Technologia i organizacja budowy. Arkady, Warszawa, 1990
3. Halpin D., Woodhead R .: Construction Management. Wiley, New York, 2006
4. Juchnowicz M. (red.).: Narzędzia i praktyka zarządzania zasobami ludzkimi. Poltext, Warszawa, 2008
5. Werner W.: Zarządzanie w procesie inwestycyjnym. Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 1998

Additional bibliography:

1. Kapliński O.(red.): Metody i modele badań w inżynierii przedsięwzięć budowlanych. PAN KILiW IPPT, Warszawa, 2007
2. Zieliński J.: Inteligentne systemy w zarządzaniu. PWN, Warszawa , 2000

Result of average student's workload

Activity	Time (working hours)
1. Participation in lectures	15
2. Participation in calsses	15
3. Homework - elaboration of project	20
4. Preparation to test	5

Student's workload

Source of workload	hours	ECTS
Total workload	50	2
Contact hours	30	1
Practical activities	20	1