

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>(-)</b>		Code <b>1010112111010115657</b>
Field of study <b>Civil Engineering</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>1 / 1</b>
Elective path/specialty <b>-</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>full-time</b>	
No. of hours Lecture: <b>65</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>30</b>		No. of credits <b>5</b>
Status of the course in the study program (Basic, major, other) <b>major</b>		(university-wide, from another field) <b>from field</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>5 100%</b>
<b>Responsible for subject / lecturer:</b> dr hab. inż. Jerzy Pasławski email: jerzy.paslowski@put.poznan.pl tel. 616652113 Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		<b>Responsible for subject / lecturer:</b> Piotr Nowotarski Roman Milwicz email: piotr.nowotarski@put.poznan.pl roman.milwicz@put.poznan.pl tel. 616652830 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>	Basic computer skills, Basic knowledge of construction technology
2	<b>Skills</b>	Ability to communicate in different languages??, ability to work with a computer, the ability to locate in unusual situations.
3	<b>Social competencies</b>	Awareness of lifelong learning, the ability to work in a group and adopt different social roles
<b>Assumptions and objectives of the course:</b> To familiarize students with the business profiles of companies cooperating with the PUT the trips to these companies.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. He knows the procedures for quality management of construction projects. Knowledgeable about the effectiveness, cost and lead time construction projects under risk and uncertainty - [K_W10]		
2. s knowledgeable about doing business in the construction industry. Understand the principles of financial management companies. - [K_W11]		
3. Knowledgeable about the impact of the investment and the existing buildings on the environment - [K_W13]		
4. He/she knows the rules of production materials and construction products - [K_W05]		
<b>Skills:</b>		
1. He knows how to draw up a schedule of construction and cost estimate, contract or construction project business plan, manage, manage the building process, set out the obligations and responsibilities of project supervision and construction - [K_U10]		
2. Able to carry out risk analysis in the implementation of projects and operation of buildings and implement appropriate measures and safety. Able to develop standards and norms of work and quality management procedures - [K_U12]		
3. Place in accordance with scientific principles, using scientific workshop to formulate and carry out preliminary work on a research to resolve the structural problems, technological and organizational emerging in construction - [K_U17]		
<b>Social competencies:</b>		

1. is able- implementing certain zadania- work independently, to work in a team and manage a team. - [K\_K01]  
 2. Independently complements and extends knowledge of modern processes and technologies in construction - [K\_K03]  
 3. Observes the principles of economic / financial activity of enterprises, comply with the rules of ethics. - [K\_K11]

<b>Assessment methods of study outcomes</b>		
Final test, presentation		
<b>Course description</b>		
Business profiles of companies cooperating with PUT 1 Introduction + Entrepreneurship (1) 2 Entrepreneurship (2) 3 Fundamentals of business 4 Planning Business and Finance 5 Human Resource Management 6. Management 7 Marketing 8 Risk Management 9 Establishment of a new company		
<b>Basic bibliography:</b>		
1. Cempel Cz. Inżynieria kreatywności w projektowaniu innowacji. ITE-PIB Radom- Poznań 2013 2. UrbaneK Grzegorz ;kompetencje a wartość przedsiębiorstwa; Oficyna a Wolters Kluwer business, Warszawa 2011		
<b>Additional bibliography:</b>		
<b>Result of average student's workload</b>		
<b>Activity</b>		<b>Time (working hours)</b>
1. work with teacher		95
2. individual work		30
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	125	5
Contact hours	95	2
Practical activities	60	2