

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject (-)		Code 1010101131010910493
Field of study Civil Engineering First-cycle Studies	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) elective
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 0 Classes: 60 Laboratory: - Project/seminars: -		No. of credits 5
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		ECTS distribution (number and %)
Responsible for subject / lecturer: Małgorzata Bączyńska email: malgorzata.baczynska@put.poznan.pl tel. 061 665 24 91 Inter-Faculty Units ul. Piotrowo 3a		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The already acquired language competence compatible with level B1 (CEFR)
2	Skills	The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills
3	Social competencies	The ability to work individually and in a group; the ability to use various sources of information and reference works.
Assumptions and objectives of the course: 1. Advancing students? language competence towards at least level B2 (CEFR). 2. Development of the ability to use academic and field specific language effectively in both receptive and productive language skills. 3. Improving the ability to understand field specific texts (familiarizing students with basic translation techniques). 4. Improving the ability to function effectively on an international market and on a daily basis.		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. the student ought to acquire field specific vocabulary related to building constructions ? hard rock tunneling - [T1A_W01 T1A_W02 T1A_W05] 2. the student ought to acquire field specific vocabulary related to building constructions ? soft ground tunneling - [T1A_W01 T1A_W02 T1A_W05] 3. the student ought to acquire field specific vocabulary related to building structures ? fixed bridges - [T1A_W01 T1A_W02 T1A_W05] 4. the student ought to acquire field specific vocabulary related to building structures ? movable bridges - [T1A_W01 T1A_W02 T1A_W05] 5. the student ought to acquire field specific vocabulary related to metals and alloys - [T1A_W01 T1A_W02 T1A_W05] 6. the student ought to acquire field specific vocabulary related to building structures - modern bridges and their evolution - [T1A_W01 T1A_W02 T1A_W05]		
Skills:		

<p>1. give a talk on field specific or popular science topic (in English), and discuss general and field specific issues using an appropriate linguistic and grammatical repertoire - [T1A_U02 T1A_U03 T1A_U04 T1A_U06]</p> <p>2. express basic mathematical formulas and to interpret data presented on graphs/diagrams - [T1A_U02 T1A_U03 T1A_U04 T1A_U06]</p> <p>3. conduct business correspondence in English - [T1A_U02 T1A_U03 T1A_U04 T1A_U06]</p>
<p>Social competencies:</p> <p>1. As a result of the course, the student is able to communicate effectively in a field specific/professional area, and to give a successful presentation in English. - [T1A_K03 T1A_K04 T1A_K06]</p> <p>2. The student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment. - [T1A_K03 T1A_K04 T1A_K06]</p>

Assessment methods of study outcomes		
?	Formative assessment: continuous assessment during classes-presentations, tests, MT test.	
?	Summative assessment: final exam (written and oral)	
Course description		
<ul style="list-style-type: none"> - Tunnels and their types - Hard-rock tunneling and soft-ground tunneling - Bridges, their types and constructions methods - Metals and alloys - Guided writing - Presentations 		
Basic bibliography:		
<p>1. Eliza Romaniuk, 2005. Reader Friendly Civil Engineering</p> <p>2. Richard Harwood and Ian Lodge, 2014. Chemistry</p>		
Additional bibliography:		
<p>1. C.M. and D. Johnson, 1992. General Engineering</p> <p>2. Virginia Evans, 2015. Career Paths, Constructoion II. Roads and Highways</p> <p>3. Eliza Romaniuk, Joanna Wrana 2007. Modern Wonders for Civil Engineering</p>		
Result of average student's workload		
Activity		Time (working hours)
Student's workload		
Source of workload	hours	ECTS
Total workload	120	5
Contact hours	60	0
Practical activities	60	0