

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Security of buildings and construction works</b>		Code <b>1011104171011164360</b>
Field of study <b>Safety Engineering - Part-time studies - First-</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>4 / 7</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>elective</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time,part-time) <b>part-time</b>	
No. of hours Lecture: <b>12</b> Classes: <b>24</b> Laboratory: <b>-</b> Project/seminars: <b>8</b>		No. of credits <b>6</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>6 150%</b>
<b>Responsible for subject / lecturer:</b>  Mirosława Przybylska Ph.D. email: mirosława.przybylska@put.poznan.pl tel. (61) 665 33 88, (61) 665 33 74 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	- basic knowledge of technology and engineering graphics - selected concepts from ?Construction Law?(known in the second year of study)
2	<b>Skills</b>	- can obtain information from the literature - can communicate using various techniques
3	<b>Social competencies</b>	- understands the need for learning throughout life
<b>Assumptions and objectives of the course:</b> - Theoretical and practical to introduce students to the basic issues related to the safety and the construction and preparation of facilities for work.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. know the details according to the discipline in force - [-K1A_W10] 2. familiar interpretations specific to the discipline - [-K1A_W11] 3. familiar with current trends in the discipline - [-K1A_W13] 4. knows the best practices in the discipline - [-K1A_W14] 5. has a basic knowledge of the life cycle - [-K1A_W16]		
<b>Skills:</b>		
1. knows how to create a documented study of problems in the field of safety engineering - [-K1A_U03] 2. has the ability to self-learning and understands the need for - [-K1A_U05] 3. preparation is necessary to work in the built environment - [-K1A_U11] 4. know the safety rules for the operation of the building - [-K1A_U11]		
<b>Social competencies:</b>		
1. understands the need and knows the possibilities of lifelong learning on track - [-K1A_K01] 2. understands the need to improve professional skills, personal and social - [-K1A_K01] 3. has a sense of responsibility for their own work - [-K1A_K03] 4. feels ready to comply with the rules work in a team and to take responsibility for collaborative tasks - [-K1A_K03]		

<b>Assessment methods of study outcomes</b>		
<ul style="list-style-type: none"> <li>- Lectures - a theory test as a test of the range of topics to be covered,</li> <li>- Exercise - evaluation of test results on the topic of the course (the 14th week of term)                             <ul style="list-style-type: none"> <li>- evaluation report for the construction of individual output,</li> <li>- assessment of their own work carried out on a given topic,</li> </ul> </li> <li>- Projects - evaluation of the project dedicated</li> </ul>		
<b>Course description</b>		
<p>1. Issues to be covered:</p> <p>Technical conditions to be met by buildings and places of work located in buildings. Heating and ventilation work. Lighting of work, escape lighting, security lighting. Danger zone in the work rooms, workrooms dimensions. The freedom of movement in the workplace. Preparation of the premises and workplaces. Development of the site. Development of the site. The safety performance of construction work, repairs and maintenance. BioZ plan. User safe execution of works. Bricklaying, plastering, reinforcement, concreting, carpentry and roofing. Work at height and in the groove. Assembly work and demolition. Safety of operation of machinery and equipment. Installations and electrical equipment. Scaffolding and mobile work platforms.</p> <p>2. Practical knowledge of the construction work on the construction of a large building structure - the output common, individual outputs in groups of two-seater for smaller construction</p> <p>3. Getting to know the latest trends in these issues - participation in the International Fair of Work Protection, Fire and Rescue SAWO</p>		
<b>Basic bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Ustawa z dnia 7 lipca 1994 r. Prawo budowlane</li> <li>2. Rozporządzenie Ministra Infrastruktury z dnia 12 kwietnia 2002r. w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie</li> <li>3. Rozporządzenie Ministra Pracy i Polityki Socjalnej z dnia 26 września 1997r. w sprawie ogólnych przepisów bhp</li> <li>4. Rozporządzenie Ministra Infrastruktury z dnia 6 lutego 2003 r. w sprawie bezpieczeństwa i higieny pracy podczas wykonywania robót budowlanych</li> <li>5. Rozporządzenie Ministra Infrastruktury z dnia 23 czerwca 2003 r. w sprawie informacji dotyczącej bezpieczeństwa i ochrony zdrowia oraz planu bezpieczeństwa i ochrony zdrowia</li> </ol>		
<b>Additional bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Dyrektywa europejska 31992L0057 - Dyrektywa Rady 92/57/EWG z dnia 24 czerwca 1992 r. w sprawie wprowadzenia w życie minimalnych wymagań w zakresie bezpieczeństwa i ochrony zdrowia w miejscach tymczasowych lub ruchomych budow</li> <li>2. Dyrektywa 31989L0391 Dyrektywa Rady z dnia 12 czerwca 1989 r. w sprawie wprowadzenia środków mających na celu ulepszenie warunków BHP pracowników podczas pracy</li> <li>3. Ustawa z dnia 26 czerwca 1974 r. Kodeks pracy, Dział X</li> <li>4. Rozporządzenie Ministra Infrastruktury w sprawie dziennika budowy, montażu i rozbiórki, tablicy informacyjnej oraz ogłoszenia zawierającego dane dotyczące bezpieczeństwa pracy i ochrony zdrowia</li> </ol>		
<b>Result of average student's workload</b>		
Activity	Time (working hours)	
1. Participation in activities	44	
2. Consultation	36	
3. Preparation of self to exercise	20	
4. Implementation of projects	30	
5. Exam Preparation	15	
6. Exam	5	
<b>Student's workload</b>		
Source of workload	hours	ECTS
Total workload	150	6
Contact hours	80	4
Practical activities	32	2