

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Information Technology</b>		Code <b>1011101111011162855</b>
Field of study <b>Safety Engineering - Full-time studies - First-</b>	Profile of study (general academic, practical) <b>(brak)</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>First-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: <b>15</b> Classes: <b>-</b> Laboratory: <b>15</b> Project/seminars: <b>-</b>		No. of credits <b>2</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> <b>Technical sciences</b>		ECTS distribution (number and %) <b>2 100%</b> <b>2 100%</b>
<b>Responsible for subject / lecturer:</b>  dr inż. Krzysztof Hankiewicz email: krzysztof.hankiewicz@put.poznan.pl tel. 616653408 Wydział Inżynierii Zarządzania ul. Strzelecka 11 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	The student has basic computer science knowledge of the high school curriculum
2	<b>Skills</b>	Student can operate basic computer programmes
3	<b>Social competencies</b>	Student is active and willing to participate in the discussion on a given topic
<b>Assumptions and objectives of the course:</b> The aim of the course is to give basic information in the field of computer science and to prepare the student to use a computer at the level of the European Computer Driving Licence (ECDL).		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Student knows the current trends and best practices in information technology - [K1A_W16]		
2. Student knows the basic techniques and tools used to solve simple engineering tasks using information technology - [K1A_W25]		
<b>Skills:</b>		
1. Students can acquire, integrate, interpret information from literature, databases and other selected sources - [K1A_U01]		
2. Student know how to use the theoretical knowledge to describe and analyse of the causes and processes and phenomena of social (cultural, political, legal, economic) and is able to formulate their own opinions, and choose the critical data and methods of analysis - [K1A_U02]		
3. Student is able to use information and communication technology for the tasks of typical engineering activities - [K1A_U07]		
<b>Social competencies:</b>		
1. Student understands the need and knows the possibilities of lifelong learning - [K1A_K01]		
2. Student can work in team - [K1A_K02]		
3. Student understands the need to provide information and opinions on the achievements of technology and other aspects of engineering - [K1A_K07]		
<b>Assessment methods of study outcomes</b>		

Formative assessment: a) within the laboratory classes on the basis of using computer applications tests b) within the lectures: on the basis of written assignments relating to the material covered during lectures. Collective assessment: a) within the laboratory classes: the average of marks given b) within the lectures: the average of formative marks		
<b>Course description</b>		
The main presented issues include: history of computer science, the basics of information technology, operating systems, the Windows operating system, network components and structure, computer network services, history of Internet , Web services, essential tools of MS Office, computer graphics, word processing , spreadsheets, collecting and processing of data.		
<b>Basic bibliography:</b> 1. Silberschatz A., Galvin P.B., Gagne G., Podstawy systemów operacyjnych, Wydawnictwa Naukowo-Techniczne WNT, 2006 2. Krysiak K., Sieci komputerowe. Kompendium, Helion, 2005 3. Murray K., Microsoft Word 2010 PL. Praktyczne podejście, Helion, 2011 4. Masłowski K., Excel 2010 PL, Helion, 2010		
<b>Additional bibliography:</b> 1. Poradnik Webmastera <a href="http://webmaster.helion.pl">http://webmaster.helion.pl</a> , Paweł Wimmer , Helion		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in lectures	15	
2. Participation in laboratory classes	15	
3. Preparation for lectures tests	10	
4. Preparation for laboratory classes	18	
5. Discussion of exercises problems	2	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	60	2
Contact hours	32	2
Practical activities	15	1