

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Information security in Internet		Code 1010335441010337161
Field of study Information Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty Security of Information Technology (IT)	Subject offered in: polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) part-time	
No. of hours Lecture: 16 Classes: - Laboratory: 12 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 technical sciences		ECTS distribution (number and %) 5 100%
Responsible for subject / lecturer: dr inż. Anna Grocholewska-Czuryło email: anna.grocholewska-czurylo@put.poznan.pl tel. 61-665 35 31 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	K_W06: Has knowledge of current trends of computer science applications and key problems associated with it. K_W10: Has deepened knowledge in the area of data security.
2	Skills	K_U04: Is able to develop a detailed experiment, project or research work documentation; is able to prepare a paper with analysis of the achieved results. K_U07: Is able to integrate knowledge from different domains and scientific areas while formulating and solving computer science problems.
3	Social competencies	K_K01: Is able to think and act in a creative and entrepreneurial fashion.
Assumptions and objectives of the course: As part of the course students will be familiarized with both the latest e-business technologies and business approach to e-commerce. Apart from design technologies and application of such systems they will learn the search engine positioning techniques. Also covered are the problems associated with technologies used to create current internet applications and security mechanisms implemented in the most popular browsers.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. K_W08: Has knowledge of advanced programming techniques and methods. - [-] 2. K_W12: Has basic knowledge of selected information systems characterized by their specific characteristics or purpose. - [-]		
Skills:		
1. K_U11: Is able to assess the suitability of IT tools and technologies for realization of a specific IT task. - [-] 2. K_U12: Is able to propose and justify improvements of existing IT solutions. - [-]		
Social competencies:		
1. K_K01: Is able to think and act in a creative and entrepreneurial fashion. - [-]		
Assessment methods of study outcomes		
Written or/and oral test based on lecture and project.		
Course description		

<p>Features of software suites for electronic business, electronic transactions security issues. Presenting the problems associated with correct design of Internet applications, presentation and business layers. Building web applications based on Spring Framework architecture. Web Services technology allowing distributed software component implementation (with SOAP protocol). Internet search engine positioning. On projects students make project and/or implementations of business application including business and security aspects.</p>		
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. 1. Enterprise Service Oriented Architectures: Concepts, Challenges, Recommendations, McGovern J., Springer 2006 2. 3. Pozycjonowanie w wyszukiwarkach internetowych, Shari Thurow, Helion 2008 3. 1. Enterprise Service Oriented Architectures: Concepts, Challenges, Recommendations, McGovern J., Springer 2006 4. 3. Pozycjonowanie w wyszukiwarkach internetowych, Shari Thurow, Helion 2008 		
<p>Additional bibliography:</p>		
<p>Result of average student's workload</p>		
<p>Activity</p>	<p>Time (working hours)</p>	
1. Lecture	16	
2. Current work on lectures	16	
3. Laboratory	12	
4. Preparation to the laboratory	24	
5. Preparation to the tests	12	
6. Preparation of laboratory reports	14	
7. preparation to the examination	10	
8. Consultations and examinations	11	
<p>Student's workload</p>		
<p>Source of workload</p>	<p>hours</p>	<p>ECTS</p>
Total workload	115	5
Contact hours	35	1
Practical activities	40	2