

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Technologies in Internet		Code 1010341651010321878
Field of study Mathematics	Profile of study (general academic, practical) (brak)	Year /Semester 3 / 5
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 15 Classes: - Laboratory: 30 Project/seminars: -		No. of credits 3
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 Technical sciences		ECTS distribution (number and %) 3 100% 3 100%
Responsible for subject / lecturer: Dr inż. Jarosław Jajczyk email: jaroslaw.jajczyk@put.poznan.pl tel. 61 665 2659 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge of computer science, computer networks and programming in high level languages.
2	Skills	Support browsers. The use of communication protocols. Algorithmic thinking. Collaboration in a team (group of laboratory).
3	Social competencies	Recognizes the importance of working tools in electrical engineering, the ability to expand their competences.
Assumptions and objectives of the course: Practical skills related to the creation of modern websites with HTML tags, cascading style sheets, and data collected in the xml file. Sample Implementation of the project web page containing elements known technology and Java Script scripts. Publication of the project.		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. Choose the appropriate Internet technologies to the set of functional features website. - [K_W08+ K_W09+] 2. Propose a method of data collection and define dependencies and constraints associated. - [K_W08+]		
Skills: 1. Design, implement and publish a Web site. - [K_U27++ K_U28+] 2. Identify data and design of the data collection method for technical. - [K_U28+]		
Social competencies: 1. Awareness of the need for tools to improve engineering efficiency and improve the economic importance of the company. - [K_K01++ K_K06+]		
Assessment methods of study outcomes		

<p>Lecture</p> <ul style="list-style-type: none"> - assess the knowledge and skills listed on the completion of a written test and problematic, <p>Laboratory:</p> <ul style="list-style-type: none"> - assess the knowledge and skills related to the implementation of IT projects (including project website). - checking and rewarding knowledge and skills for the implementation issues of problem (homework) <p>Get extra points for the activity in the classroom, and in particular for:</p> <ul style="list-style-type: none"> - activity classes in any attempt solutions to problems, - ability to work as a team. 		
Course description		
<p>Markup Language (HTML), Cascading Style Sheets (CSS), Extensible languages XML, XSL stylesheets. The combination of HTML and CSS. Java Script scripting language. Connecting to Web pages with XML documents. Enrichment opportunities site scripting using Java Script. Publishing a Web site. Fundamentals of ASP.NET. Create a presentation on websites with Flash technology.</p>		
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. Steven M. Schafer, HTML, XHTML i CSS. Biblia. Wydanie V, Helion, 2012. 2. Michael Moncur, JavaScript dla każdego. Wydanie IV, Helion, 2007. 3. Marcin Szeliga, Transact-SQL. Czarna księga, Helion 2003. 4. Randy Connolly, ASP.NET 2.0. Projektowanie aplikacji internetowych, Helion, Gliwice, 2008 		
<p>Additional bibliography:</p> <ol style="list-style-type: none"> 1. Michael J. Young, Krok po kroku XML, Wydawnictwo RM, Warszawa 2000. 2. Danuta Mendrala, Paweł Potasiński, Marcin Szeliga, Damian Widera, Serwer SQL 2008. Administracja i programowanie, Helion 2009. 3. Tomasz Jahołkowski, Jacek Matulewski, Technologie ASP.NET i ADO.NET w Visual Web Developer, Helion, Gliwice, 2007. 		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in class lectures	15	
2. Participation in laboratory classes	30	
3. Participate in the consultations on the lecture	2	
4. Participate in the consultations on the lab	4	
5. Preparation laboratory	14	
6. Implementation of project tasks	20	
Student's workload		
Source of workload	hours	ECTS
Total workload	85	3
Contact hours	51	2
Practical activities	68	2