		STUDY MODULE D	ESCRIPTION FORM		
	f the module/subject bases and techn	ologies in Internet	Code 1010321361010324392		
Field of			Profile of study (general academic, practical)	Year /Semester	
	trical Engineerin	9	(brak)	3/6	
Elective path/specialty Electrical and Computer Systems in			Subject offered in: Polish	Course (compulsory, elective) obligatory	
Cycle of	f study:		Form of study (full-time,part-time)		
First-cycle studies			full-time		
No. of h	ours		L	No. of credits	
Lectur	re: 15 Classes	s: - Laboratory: 30	Project/seminars:	. 3	
Status of the course in the study program (Basic, major, other) (university-wide, from another field)					
		(brak)	()	orak)	
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
techr	nical sciences			3 100%	
	Technical scie	ences		3 100%	
ema tel. Eleł ul. F	nž. Jarosław Jajczyk ail: jaroslaw.jajczyk@p 616652659 «tryczny Piotrowo 3A, 60-965 P	oznań			
Prere	equisites in term	s of knowledge, skills an	d social competencies:		
1	Knowledge	Basic knowledge of computer science, the relational database model 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 w competences.	orking tools in electrical enginee	ring, the ability to expand their	
Assu	mptions and obj	ectives of the course:			
project databa	web page containing se in MS SQL Server	creation of modern websites and HTML tags, cascading style shee using Transact-SQL contains view mic websites running on the serve	ts, scripts, Java Script and XML vs, stored procedures and function	files. The project relational	
		mes and reference to the		a field of study	
Knov	vledge:			-	
	0	ernet technologies to the set of fu	nctional features website - IK W	10+, K W11++l	
		collection and define dependencie	•	· - •	
Skills			- L	-	
		blish a Web site - [K_U04+, K_U0)5+]		
2. to de		MS SQL Server database applica	•	se objects, use the SQL	
	al competencies:				
1. awa	•	tools to improve the efficiency of	electrical engineering and impro	ve the economic importance of	
		Assessment metho	ds of study outcomes		

Lecture:

- assess the knowledge and skills listed on the completion of a written test and problematic.

Laboratory:

- assess the knowledge and skills related to the implementation of IT projects (two projects including: website and relational database in MS SQL Server),

- checking and rewarding knowledge and skills for the implementation issues of problem (homework).

Get extra points for the activity in the classroom, and in particular for:

- Activity classes in any attempt solutions to problems,

- ability to work as a team.

Course description

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 and Java Script. Publishing a Web site. Characteristics of MS SQL Server, SQL and Transact-SQL - create database objects (tables, views, stored procedures and functions, triggers) and queries. Fundamentals of ASP.NET. Environment Web Developer Express Edition, web development using ASP.NET. Web collaboration with relational databases.

Basic bibliography:

1. Schafer S. M.: HTML, XHTML i CSS. Biblia, Wydawnictwo Helion, Gliwice 2012.

2. Moncur M.: JavaScript dla każdego, Wydawnictwo Helion, Gliwice 2007.

3. Szeliga M.: Transact-SQL. Czarna księga, Wydawnictwo Helion, Gliwice 2003.

4. Connolly R.: ASP.NET 2.0. Projektowanie aplikacji internetowych, Wydawnictwo Helion, Gliwice 2008.

Additional bibliography:

1. Young M. J.: Krok po kroku XML, Wydawnictwo RM, Warszawa 2000.

2. Mendrala D., Potasiński P., Szeliga M., Widera D.: Serwer SQL 2008. Administracja i programowanie, Wydawnictwo Helion, Gliwice 2009.

3. Jahołkowski T., Matulewski J.: Technologie ASP.NET i ADO.NET w Visual Web Developer, Wydawnictwo Helion, Gliwice 2007.

Result of average stue	dent'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	3	
4. Participate in the consultations on the lab	3	
5. Preparation laboratory	14	
6. Implementation of project tasks	20	
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	85	3
Contact hours	51	2
Practical activities	67	2