		STUDY MODULE D	ESCRIPTION FORM				
	f the module/subject nologies in Intel	rnet		Code 1010342621010321878			
Field of Math	study nematics		Profile of study (general academic, practical) (brak)	Year /Semester			
Elective	path/specialty Modelli	ng in pure sciences	Subject offered in: Polish	Course (compulsory, elective) obligatory			
Cycle of	f study:		Form of study (full-time,part-time)				
Second-cycle studies			full-time				
No. of h				No. of credits			
Lectur	0.0000	1		- 3			
Status o		program (Basic, major, other) (brak)	(university-wide, from another field)	brak)			
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)			
techr	nical sciences	3 100%					
	Technical scie	ences		3 100%			
Resp	onsible for subj	ect / lecturer:					
dr inż. Jarosław Jajczyk email: jarosław.jajczyk@put.poznan.pl tel. (061) 6652659 Faculty of Electrical Engineering ul. Piotrowo 3A 60-965 Poznań							
		s of knowledge, skills an	d social competencies:				
1	Knowledge	Basic knowledge of computer science, construction of static web pages and programming in high level languages.					
2	Skills	Support browsers. The use of co a team (group of laboratory).	ommunication protocols. Algorith	mic thinking. Collaboration in			
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:					
related	to the creation of mod	of construction of dynamic web si dern websites work with relational ase (MS SQL Server).					
	Study outco	mes and reference to the	educational results for	a field of study			
Know	/ledge:						
	ose appropriate nume he website - [K_W10+	rical methods and technologies to +++]	the set of issues contained in the	ne various fields of science,			
Skills	»:						
	n present with a web s matical method - [K_L	site problem solving results in vari J10++]	ous fields of mathematics and p	ractical tasks, using a			
	using computer-aided	d design methods to verify the logi	cal operation of tools - [K_U21+	+]			
			or further education - [K K01+]				
 Is aware of his own limitations of knowledge and the need for further education - [K_K01+] It can work as a team, understands the need to work systematically on all projects that are long-term in nature - [K_K03++] 							
3. Can independently search the literature and electronic sources, including foreign languages - [K_K06+]							
Assessment methods of study outcomes							

Lecture

- assess the knowledge and skills demonstrated by the successful completion of a written test and problematic,

Laboratory classes:

- assess the knowledge and skills related to the implementation of an IT project (project website made ??in ASP.NET technology and works with relational database).

- 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

Characteristics. NET Framework and Visual Studio. Using the built-in controls support centralized management of the logical structure of the site and control access to the site. The use of master pages and AJAX (Asynchronous JavaScript and XML). Building websites with access to relational databases (MS SQL Server, SQL and Transact-SQL). Software created pages in ASP.NET using C#.

Update 2017:

MS Visual Studio development environment, HTML5 and CSS4.

Applied methods of education:

lectures - with multimedia presentations (drawings, photographs, animations) supplemented by examples given on the board, run in an interactive way, with questions to students or specific students, presenting a new topic preceded by a reminder of related content known to students from other subjects;

laboratories - supplemented with multimedia presentations, use of tools to enable students to perform home-based tasks (open source software), demonstrations.

Basic bibliography:

1. Matulewski J., Grabek M., Pakulski M., Borycki D.: ASP.NET Web Forms. Kompletny przewodnik dla programistów interaktywnych aplikacji internetowych w Visual Studio. Helion 2014.

2. Liberty J., Maharry D., Hurwitz D.: ASP.NET 3.5. Programowanie, Helion, Gliwice 2010.

3. Wrzesień M.:Aplikacje internetowe w ASP .NET, Wyższa Szkoła Informatyki i Zarządzania, Rzeszów, 2012

4. Jajczyk J., Kasprzyk L., Matuszak K.: Zastosowanie technologii ASP do wspomagania procesu dydaktycznego, ZKwE, 2003, s. 691-694.

Additional bibliography:

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

2. Duckett J., HTML i CSS: zaprojektuj i zbuduj witrynę WWW, Helion, 2014

3. Balter A., T-SQL dla każdego, Helion, 2016.

Evjen B., Hanselman S., Rader D.: ASP.NET 4 z wykorzystaniem C# i VB. Zaawansowane programowanie. Helion 2016.
 Jajczyk J., Medycki M.: Personalizacja witryn internetowych z wykorzystaniem architektury WebParts, ZKwE, 2009, s. 419-

420.

Result of average student's workload

Activity	Time (working hours)
1. Participation in class lectures	15
2. Participation in laboratory classes	15
3. Participate in the consultations on the lecture	6
4. Participate in the consultations on the lab	10
5. Preparation for lecture classes	6
6. Preparation laboratory	12
7. Development project	15
8. Preparation for the exam	10
9. Participation in the exam	4

Student's workload

Source of workload	hours	ECTS
Total workload	93	3
Contact hours	50	2
Practical activities	42	2

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