		STUDY MODULE D	ESCRIPTION FORM	-				
	f the module/subject tional databases		Code 1010342611010347332					
Field of study			Profile of study (general academic, practical)	Year /Semester				
Mathematics			(brak)	1/1				
Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective) obligatory				
Cycle of	study:		Form of study (full-time,part-time)					
	Second-cy	/cle studies	full-time					
No. of h	ours			No. of credits				
Lecture: 30 Classes: - Laboratory: 30			Project/seminars:	- 5				
Status o	f the course in the study	program (Basic, major, other)	(university-wide, from another f	field)				
		(brak)		(brak)				
Education areas and fields of science and art				ECTS distribution (number and %)				
the so	ciences			5 100%				
	Mathematical	sciences		5 100%				
Resp	onsible for subje	ect / lecturer:						
Mari	an Dondajewski Ph.D							
	il: marian.dondajewsk							
	+4861 665 2805							
	ulty of Electrical Engin A, 60-965 Poznan Pic	Ū						
	,	s of knowledge, skills an	d social competencies:					
1	Knowledge	Basic knowledge of mathematics in the fields of mathematical logic and abstract algebra. Basic knowledge of operating systems.						
2	Skills	Familiar with basics of computers. Can uses of MS Office (Word and Excel). Knows how to formulate the problem and sees a variety of methods to address it.						
3	Social competencies	Understands the need to gather information and computer processing. Is aware of the role of teamwork and continuous self-education.						
Assu	mptions and obj	ectives of the course:						
-Introdu	uce the concept of dat	abase and database managemen	t system.					
-Familia	ar with the principles o	of database design. Formal require	ements for effective database -	the database normal forms.				
	•	n databases: projection, selection	and join.					
	a database in MS Ac							
	•	objects: tables, forms, reports, qu	eries, macros.					
Knowle	edge of SQL language	mes and reference to the	educational results for	a field of study				
Know	/ledge:							
	-	d interpret relational database ask	amon IK WOG K WOZ	1				
		d interpret relational database sch nip schemas - [K_W011 + + K_W0		т т <u>ј</u>				
	erstand basic SQL - [K	· ·						
Skills								
1. can design a simple database system using on the relational model - [K_U16 + + K_U19 + + K_U04 +]								
2. know how to implement this system with MS Access - [K_U21 + +]								
Social competencies:								
1. He can discuss with a potential customer database system and clarity expectations - [K_K02 + + +]								
2. Is able to work in a team - [K_K03 + + +]								
3. Can use a technical documentation and search for required information in the literature (including foreign language) - [K_K06 + + +]								
[K_K06) + + +]							

Assessment methods of study out	comes			
-Lectures:				
- Assess the knowledge and skills listed on writing exam (student can use any prir	nted materials),			
- Control of perception during lectures.				
_aboratory:				
- Test and rewarding knowledge necessary to perform of the laboratory tasks				
- Continuous evaluation class - rewarding gain skills				
- Assess the knowledge and skills associated with the implementation of the tasks				
Get extra points for the activity in the classroom, and in particular for:				
- Propose to discuss new aspects of the subject;				
- The effectiveness of the application of the knowledge gained during solving a give	en problem;			
 Comments for improvement of teaching materials; 				
- Developed aesthetic diligence reports and jobs - in the self-study.				
Course description				
-Introduction to databases and database management systems. Methods for creati forms a normal base, to ensure their good properties. Basic database objects: table database in MS Access user interface. The basic elements of the SQL language.				
Basic bibliography:				
1. C.Delobel, M.Adiba: Relacyjne bazy danych, WNT, W-wa 1989.				
2. Jeffrey D. Ullman, Jennifer Widom: Podstawowy wykład z baz danych, WNT 199	99.			
3. J.Kierko: Język SQL, PWN, W-wa 1994.				
4. C.N. Prague, M.R. Irwin, J. Reardon: Access 2003 PL. Biblia. HELION, Gliwice	2004.			
5. C.Delobel, M.Adiba: Relacyjne bazy danych, WNT, W-wa 1989.				
6. Jeffrey D. Ullman, Jennifer Widom: Podstawowy wykład z baz danych, WNT 199	99.			
7. J.Kierko: Język SQL, PWN, W-wa 1994.				
8. C.N. Prague, M.R. Irwin, J. Reardon: Access 2003 PL. Biblia. HELION, Gliwice	2004.			
9. C.Delobel, M.Adiba: Relacyjne bazy danych, WNT, W-wa 1989.				
10. Jeffrey D. Ullman, Jennifer Widom: Podstawowy wykład z baz danych, WNT 19	999.			
11. J.Kierko: Język SQL, PWN, W-wa 1994.				
12. C.N. Prague, M.R. Irwin, J. Reardon: Access 2003 PL. Biblia. HELION, Gliwice	e 2004.			
Additional bibliography:				
1. C.J. Date: Wprowadzenie do systemów baz danych, WNT, Warszawa 2000.				
2. T. Pankowski: Podstawy baz danych, PWN, W-wa 1992.				
3. B. Czogalik: Access 2002- Tworzenie baz danych, HELION, Gliwice 2002.				
4. C.J. Date: Wprowadzenie do systemów baz danych, WNT, Warszawa 2000.				
5. T. Pankowski: Podstawy baz danych, PWN, W-wa 1992.				
6. B. Czogalik: Access 2002- Tworzenie baz danych, HELION, Gliwice 2002.				
7. C.J. Date: Wprowadzenie do systemów baz danych, WNT, Warszawa 2000.				
8. T. Pankowski: Podstawy baz danych, PWN, W-wa 1992.				
9. B. Czogalik: Access 2002- Tworzenie baz danych, HELION, Gliwice 2002.				
Result of average student's work	load			
Activity		Time (workin hours)		
 Participation in lectures, exercises, preparation of programs for laboratory classe work with manual 	es and individual	130		
Student's workload				
Source of workload	haura	БСТО		

Source of workload	hours	ECTS
Total workload	130	6
Contact hours	70	4
Practical activities	60	2

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