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		STUDY MODULE D	ESCRIPTION FORM	1		
Name of the module/subject				Code		
	temporary intern	et technologies	- m	101	10332431010337155	
Field of	study		Profile of study (general academic, practic	cal)	Year /Semester	
Info	mation Enginee	ring	(brak)		2/3	
Elective path/specialty			Subject offered in:		Course (compulsory, elective)	
Information Technologies			polish Form of study (full-time,part-time)	ne)	obligatory	
Cycle of study:						
Second-cycle studies			full-time			
No. of h	iours				No. of credits	
Lectur	re: 1 Classes	s: - Laboratory: 1	Project/seminars:	-	5	
Status o	-	program (Basic, major, other) (brak)	(university-wide, from another	er field) (br a	ak)	
Educati	on areas and fields of sci	ence and art			ECTS distribution (number and %)	
techr	nical sciences				5 100%	
tel. Wyd ul. F	ail: jolanta.cybulka@pu 0-61 6653724 dział Elektryczny Piotrowo 3A 60-965 Po equisites in term Knowledge Skills		ired during first-cycle studies ned and theoretically ground dvanced methods and technically first-cycle studies. analyze information systems	led kno ques o	f programming.	
3	Social competencies	Student can creatively think and	act.			
	•	ectives of the course:				
		students? knowledge concerning a dge to represent and process the			eb and also widening their	
	Study outco	mes and reference to the	educational results f	or a f	ield of study	
Knov	vledge:					
	•	n advanced methods and technique		-		
		dge on chosen information system	ns having indicated features	or purp	ose [K_W12]	
differer	dent is able - when form	mulating and solving problems in disciplines [K_U07] dvanced tools and technologies of			owledge coming from	
3. Stud [K_U09		team - design and implement ele	ments of non-typical or comp	olex inf	ormation systems	
	al competencies:					
1. Stud	dent can creatively thir	nk and act [K_K01]				

Assessment methods of study outcomes

Faculty of Electrical Engineering

Lecture: writing test with ratings, minimal score 50,1%.

Laboratory: rating of the presented ontological module accompanied by the information system whose conceptual basis is the ontology, and rating of the ontology&system?s documentation.

Course description

Lecture:

The notion of a well-founded ontology and its examples. Hints of how to create such ontologies, its designing and implementation methodologies and tools. Well-founded ontologies applications. Ontologized, publicly available on the Internet data bases, their creation methods and principles of operation.

Laboratory:

Data semantics modeling via well-founded ontologies. Applying of the created model in the process of ontology-driven creation of elements of an information system.

Basic bibliography:

- 1. Papers on methods and tools of ontology creation (detailed information given during lectures).
- 2. Internet portals concerned with ontology creation supporting tools and demos (detailed information given during lectures).

Additional bibliography:

1. Staab S., Studer R. (eds): Handbook on Ontologies, Second Edition, Springer, 2009.

Result of average student's workload

Activity	Time (working hours)
1. lecture	15
2. laboratory	15
3. exam and consultations	20
4. preparation for exam	40
5. preparation for laboratory	35

Student's workload

Source of workload	hours	ECTS
Total workload	125	5
Contact hours	50	2
Practical activities	50	2