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Social competencies:

		STUDY MODULE D	ES	CRIPTION FORM			
Name of the module/subject Computer-Aided Design of Electromechanical				Co		code 010324391010324797	
Field of study Electrical Engineering				Profile of study (general academic, practical) general academic			
	path/specialty	9		Subject offered in:		Course (compulsory, elective)	
		ystems in Mechatronics		Polish		obligatory	
Cycle o	f study:		For	m of study (full-time,part-time)			
First-cycle studies				part-time			
No. of h	nours					No. of credits	
Lectu	re: - Classes	s: - Laboratory: 9		Project/seminars:	9	2	
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another f	ield)		
		other		unive	ersi	ty-wide	
Educati	on areas and fields of sci	ence and art				ECTS distribution (number and %)	
techr	nical sciences					2 100%	
Technical sciences					2 100%		
dr ir ema tel. Wyd	ponsible for subjections: Krzysztof Kowalski ail: Krzysztof Kowalski +486652595 dział Elektryczny Piotrowo 3A 60-965 Po	@put.poznan.pl					
Prere	equisites in term	s of knowledge, skills and	d s	ocial competencies:			
1	Knowledge	nowledge Basic knowledge of electrical engineering, electrical machines and system Windows.				system Windows.	
2	Skills	Basics of engineering structures at a general level. Ability to effectively self-education in a field related to the chosen field of study.					
3	Social competencies	The need to broaden their competence, willingness to work together as a team.					
Assu	mptions and obj	ectives of the course:					
	of the design process	late the task of synthesis and anal s. Acquisition of computer skills of t					
Knov	Study outco vledge:	mes and reference to the	ed	ucational results for	a f	ield of study	
1. Bas	ic knowledge of the gra	aphic representation of the structu	ıre, k	knows the rules of the proje	ectio	n, creating sections,	
Skills	<u> </u>	Priorition of the first training					
	can formulate an algor	ithm uses a programming languag	je ar	nd related software tools us	sed i	in electrical engineering -	
2. The	use of properly chose	en development environments, sim			ppc	ort the design serving to	

Assessment methods of study outcomes

1. Ability to act in an entrepreneurial manner in the area of ??electrical engineering - [K_K04 ++]

Faculty of Electrical Engineering

Project:

- checking and favoring the knowledge necessary to carry out the set of problems
- evaluation based on the current progress of the projects in the form of computer projects
- continuous evaluation for each course rewarding gain skills students met the principles and methods.

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

- propose to discuss further aspects of the subject;
- the effectiveness of the application of the knowledge gained during solving the given problem;
- comments related to the improvement of teaching materials.

Course description

Analysis and synthesis of a technical object. The implementation of the project tasks using AutoCAD system. The use of computer systems in the design of electromagnetic actuators. Issues two-dimensional and three-dimensional structures in computer recording technology.

Basic bibliography:

- 1. Dąbrowski M. Projektowanie maszyn elektrycznych prądu przemiennego, WNT, Warszawa 1994.
- 2. Chlebus E. ? Techniki komputerowe CAx w inżynierii produkcji, WNT, Warszawa 2000.
- 3. AUTOCAD technical documentation

Additional bibliography:

1. Documentation CAD programs available on the web pages.

Result of average student's workload

Activity	Time (working hours)
1. participation in laboratory classes	9
2. participation in project activities	9
3. participation in the consultation	10
4. project preparation activities	22
5. participation in the passing tests	4

Student's workload

Source of workload	hours	ECTS					
Total workload	54	2					
Contact hours	32	1					
Practical activities	50	2					