STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Diploma seminar		**1010321271010320081**
Field of study **Electrical Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **4 / 7**
Elective path/specialty **Measurement Systems in Industry and**	Subject offered in: **polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **full-time**	
No. of hours Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **2**		No. of credits **12**
Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**	
Education areas and fields of science and art **technical sciences** **Technical sciences**		ECTS distribution (number and %) **12 100%** **12 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge within the scope of subjects included in the programme of the speciality
2	**Skills**	Ability to realize measurements of basic electrical and nonelectrical quantities and realize the efficient self-education in the area related to the chosen field and speciality of studies
3	**Social competencies**	Ability to cooperate in a team and awareness of the necessity of broadening of the knowledge and skills in the field of electrical engineering

Assumptions and objectives of the course:

Knowledge of selected problems related to gathering of the indispensable materials and knowledge of principles concerned diploma thesis preparation

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Knowledge of the bases of applying copyright and the protection of the intellectual property, students know how to use the supplies of patents information - [K_W21 +]

Skills:

1. Ability to prepare a short presentation on a given task concerned with electrical engineering - [K_U08 +++]
2. Ability to compare the different project solutions in the area of basic electrical engineering problems from the point of view the selected applications criteria - [K_U12+++]

Social competencies:

1. Students awareness of the value of their work, and also ability to show the readiness of submitting to the principles of the work in the team - [K_K03 +]
2. Awareness of the social part of a technical university graduate, with special focus on needs to formulate and propagate information and opinion relating the achievements in the area of electrical, measuring and biomedical engineering - [K_K05 +++]

Assessment methods of study outcomes

- Continuous estimation of students activity and the increase of their knowledge, and the skills necessary to realize the diploma theses
- Evaluation based on the obtained results and ability of their regular presentation
- Evaluation of efficient application of the knowledge acquired to solve the given tasks

Course description

- The selected problems related to the area of diploma theses
- Arrangement of the tasks included in the subject of a diploma thesis
- Principles of preparing the bibliography
- Editing and fomatting of diploma theses

Basic bibliography:

1. Bibliography recommended by the diploma thesis supervisor

Additional bibliography:

1. Bibliography searched by a student from printed and electronic sources in the scope of the subject matter of a given diploma thesis

Result of average student's workload

Activity	Time (working hours)
1. Participation in seminars	30
2. Participation in consulting with supervisors	50
3. Preparation to seminars	20
4. Arrangement of the detailed tasks included in the area of a diploma thesis	20
5. Realization of the work	160
6. Preparation of presentations realting the the progress in the realization of the work	30
7. Preparation of the final multimedia presentation and preparation to the diploma exam	15

Student's workload

Source of workload	hours	ECTS
Total workload	325	12
Contact hours	122	4
Practical activities	160	6