



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar [S1EiT1E>SD]

### Course

Field of study

Electronics and Telecommunications

Year/Semester

4/7

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

English

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

15

### Number of credit points

18,00

### Coordinators

dr inż. Krzysztof Arnold

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### Lecturers

### Prerequisites

A student starting a diploma seminar at first-cycle should have a basic knowledge of electronics and telecommunications and the basics of programming. Should be able to obtain information from the indicated sources, be ready to cooperate in a group, should be able to formulate judgments, should recognize the role of engineer in the development of technology.

### Course objective

The aim of the diploma seminar is to prepare students to write an diploma thesis - an engineering project, for example, by learning the principles of writing theoretical and descriptive part of the thesis, learning about the principles of ethical work by honoring the work of others and avoiding plagiats, learning how to formulate scientific theses and how to prove them, and learning how to work with sources. In addition, students will learn the rules for creating correct presentations and delivering papers, and take part in discussions.

### Course-related learning outcomes

Knowledge:

1. Student knows the formal, literature and editorial requirements for the diploma thesis

2. Student knows the general methodology for writing diploma theses
3. Student is aware of the source citations and the need for independent work

#### Skills:

1. Student is able to use various sources of information, interpret the results obtained, as well as draw conclusions, and formulate and substantiate opinions
2. Student is able to prepare a well documented written study of a given design problem, in accordance with the requirements of substantive and linguistic correctness
3. Student is able to prepare and present a presentation of his project and start a discussion about it

#### Social competences:

1. Student can prepare a presentation of the results of project tasks
2. Student can initiate and control discussion on selected technical topics, is able to formulate and defend judgments
3. Student correctly identifies and resolves dilemmas related to the exercise of the profession, maintains an ethical attitude when performing entrusted tasks and presenting their results

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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A control of the progress of the work on creating a diploma thesis by

1. Preparation of the work plan
2. Preparation of at least one presentation indicating the progress of the work in the subsequent stages of its creation
3. Speech based on the presentation of the work and participation in the discussion about it

The following components are subject to evaluation

1. Class attendance
2. Activity during classes, involvement in discussions, ability to defend one's position
3. Quality of presentation
4. Ability to deliver the speech
5. Timeliness of task implementation

The final grade is the result of component grades, with each component grade being positive. The rating scale from 2 (insufficient - negative) to 5 (very good) is used for component grades and for the final grade.

### Programme content

Conducting scientific research (principles and methods of conducting scientific research),  
Principles of conducting the diploma examination and thesis defense,  
Rules for creating a correct work plan and structure,  
Rules for writing the correct thesis,  
Rules for using sources,  
Rules for creating the correct presentation,  
Principles of discussion, with particular emphasis on scientific discussion.

### Course topics

none

### Teaching methods

Presentation, oral presentation of a work, participation in a discussion, discussion control, seminar lecture using a board and / or projector.

### Bibliography

Basic

Additional

1. Dudziak A., Żejmo A.: Redagowanie prac dyplomowych – wskazówki metodyczne dla studentów. Difin, Warszawa 2008 (in Polish)

1. Zenderowski R.: Praca magisterska - Licencjat. Krótki przewodnik po metodologii pisania i obrony pracy dyplomowej, CeDeWu Sp. z o.o., 2015 (in Polish)

### Breakdown of average student's workload

	Hours	ECTS
Total workload	450	18,00
Classes requiring direct contact with the teacher	50	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	400	16,00