# COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S1Teleinf1>SD]

## Course

Field of study
Teleinformatics

Year/Semester
4/7

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
polish

Form of study
full-time

Requirements
compulsory

## Number of hours

Lecture
0

Laboratory classes
0

Other (e.g. online)
0

Tutorials
0

Projects/seminars
15

## Number of credit points

20,00

## Coordinators

prof. dr hab. inż. Grzegorz Danilewicz
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## Lecturers

## Prerequisites

A student starting a diploma seminar in first-cycle studies should have basic knowledge of electronics, telecommunications, and the basics of programming (generally understood ICT). They should have the ability 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 an engineer in the development of technology.

## Course objective

The purpose of the diploma seminar is to prepare students to write an engineering diploma thesis, for example, by learning the principles of the correct construction of the descriptive part of the work. Learning the principles of ethical work, for example by honoring the work of others and avoiding borrowings, learning the principles of formulating scientific theses and proving them, learning the principles of work with sources. In addition, students learn the rules of creating correct presentations and giving papers and take part in discussions.

## Course-related learning outcomes

Knowledge
1. The student knows the formal, literature, and editorial requirements for the thesis of the diploma.

2. The student knows the general methodology for writing diploma theses.
3. The student is aware of the source citations and the need for independent work.
Skills
1. The student is able to use various sources of information, interpret the results obtained, draw conclusions, and formulate and substantiate opinions.
2. The student is able to prepare a well-documented written study of a given design problem, according to the requirements of substantive and linguistic correctness.
3. The student is able to prepare and present a presentation of his project and start a discussion about it.
Social competences
1. The student can prepare a presentation of the results of the project tasks.
2. The student can initiate and control discussion on selected technical topics, is able to formulate and defend judgments.
3. The 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:

Ongoing control of the progress of work on the creation of an engineering diploma thesis by
1. Preparation of a work plan
2. Preparation of at least two presentations indicating the progress of work in the subsequent stages of its creation
3. Delivering a paper based on the presentation and participating in the discussion on it
The following components are assessed
1. Class attendance
2. Active participation in classes, involvement in discussions, the ability to defend one's position
3. Quality of presentation
4. Ability to deliver a paper
5. Timely completion of tasks
The final grade is the resultant of the component grades, each of the component grades must be positive. For the component grades and for the final grade, there is a scale of grades from 2 (insufficient – negative grade) to 5 (very good).

## Programme content

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

## Teaching methods

Presentation, delivering a paper, participating in a discussion, steering the discussion, a conversational lecture with using a whiteboard and/or projector.

## Bibliography

Basic
1. Dudziak A., Żejmo A.: Redagowanie prac dyplomowych – wskazówki metodyczne dla studentów. Difin, Warszawa 2008
1. Zenderowski R.: Praca magisterska - Licencjat. Krótki przewodnik po metodologii pisania i obrony pracy dyplomowej, CeDeWu Sp. z o.o., 2015
Additional

## Breakdown of average student's workload

| | Hours | ECTS |
|---|---|---|
| Total workload | 600 | 20,00 |
| Classes requiring direct contact with the teacher | 60 | 3,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 540 | 17,00 |