COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2EiT2E-TIT>SD]

Course

Field of study
Electronics and Telecommunications

Year/Semester
2/4

Area of study (specialization)
Information and Communication Technologies

Profile of study
general academic

Level of study
second-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

12,00

Coordinators

Lecturers

Prerequisites

A student starting a master"s seminar in the second-cycle studies should have in-depth knowledge of electronics and telecommunications and mathematically based knowledge of programming. Should be able to prepare a scientific study and be able to make presentation in Polish or English on a selected topic in electronics and telecommunications. Should be able to obtain information from the indicated sources in Polish or English, be ready to cooperate in a group, should be able to formulate and defend their own judgments, should know the limits of his/her own knowledge and recognize the need for further training.

Course objective

The goal of the diploma seminar is to prepare students to write their master"s thesis, plan scientific research, collect and prepare the results of experiments, formulate correct conclusions based on the results obtained.

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 plan and carry out a scientific experiment
2. Student is able to use various sources of information, interpret the results obtained, as well as draw conclusions, and formulate and substantiate opinions
3. 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
4. Student is able to prepare and present a presentation of his experiment and start a discussion about it

Social competences:
1. Student can prepare a presentation of the results of experiment
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 two presentations 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
4. Presenting at least one substantive chapter of student"s own master"s thesis
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 and one chapter of master"s thesis
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	300	12,00
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)	250	10,00