COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S1MiKC1E>SD]

Course

Field of study
Microelectronics and Digital Communication

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
90

Number of credit points

12,00

Coordinators

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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 XD 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:

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 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
XD
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

Introduce students to issues related to the preparation of the thesis and the diploma exam

Course topics

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.

Teaching methods

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

Bibliography

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

Additional:
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	305	12,00
Classes requiring direct contact with the teacher	90	3,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	215	8,50