COURSE DESCRIPTION CARD - SYLLABUS

Course name
Graduation seminar [S1ETI2>SDinż]

Course

Field of study
Education in Technology and Informatics

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
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

4,00

Coordinators

Lecturers

Prerequisites

Knowledge of experimental physics and basic specialist knowledge in the field of computer systems and computer network operation within the scope of program content implemented in semesters 1-6 at the first level of education in the field of technical and computer education. Ability to solve problems in physics and computer science based on the knowledge possessed, ability to obtain information from indicated sources. Understanding the need to expand one's competences, readiness to cooperate within a team.

Course objective

1. Developing skills in presenting work results using multimedia techniques. 2. Developing skills in discussing the presentation of work results presented by students participating in the diploma seminar. 3. Developing skills in editing a diploma thesis.

Course-related learning outcomes

Knowledge:
knows the issues within the scope of the program content of the technical and information technology education field of study; is able to prepare and present an oral presentation on the subject of the diploma thesis
knows the current state of advancement and is familiar with the latest development trends within the scope of the subject of the diploma thesis

Skills:
ability to apply basic laws of physics, computer science issues or other specific issues implemented within the scope of the curriculum content of the technical and computer science education field of study implemented as part of the diploma thesisis able to prepare and present an oral presentation and a written study using the acquired knowledge concerning issues related to the diploma thesis
develop skills in presenting work results using multimedia techniques and skills in group discussion on the presented results

Social competences:
is able to work independently on a given task, demonstrates responsibility in this work, understands the need for further education, acts in accordance with the principles of professional ethics, is responsible for the reliability of the results of his/her work

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

assessment of the diploma thesis 50.1%-70.0% (3) assessment of the oral presentation of the thesis 70.1%-90.0% (4) assessment of answers to questions about the presentation from 90.1% (5)
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Programme content

Principles of writing a diploma thesis and preparing a multimedia presentation.

Course topics

1. Principles of writing a diploma thesis.
2. Tips for preparing a presentation in Power Point programs.
3. Current state of knowledge in the field of selected issues of experimental physics, computer science and other issues related to the curriculum content of the technical and computer science education field of study.
4. Additional content depending on the subject of the engineering thesis.

Teaching methods

Seminar, consultations on ongoing projects, workshops - discussions on presented diploma theses.

Bibliography

Basic:
Selected individually by the student in accordance with the topic of the work being carried out.

Additional:
Selected individually by the student in accordance with the topic of the work being carried out.

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	15	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	85	3,00