



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Seminarium dyplomowe - Diploma seminar

### Course

Field of study

Teleinformatics

Year/Semester

2/3

Area of study (specialization)

Profile of study

general academic

Level of study

second-cycle studies

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

Tutorials

0

Projects/seminars

0/15

### Number of credit points

21

### Lecturers

Responsible for the course/lecturer:

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prof. dr hab. inż. Grzegorz Danilewicz,  
Instytut Sieci Teleinformatycznych  
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### Prerequisites



A student starting a master's seminar in the second-cycle studies should have in-depth knowledge of teleinformatics and mathematically based knowledge of networks and programming. The candidate should be able to prepare a scientific study and be able to make presentations in Polish or English on a selected topic in teleinformatics and conduct a discussion on it. The student should also be able to communicate freely in English, talk in English about professional matters, use professional literature in English (books, technical and scientific journals, application notes, catalogs, manuals, and standards, etc.). In addition, the student should know the limitations of his own knowledge and skills, understand the need for further training, and be aware of the impact of electronics, telecommunications, and ICT systems and networks on shaping the information society.

### 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, and formulate correct conclusions based on the results obtained.

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

#### Social competences

1. The student can prepare a presentation of the results of the experiment.
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:

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 the student's own master's thesis

The following components are subject to evaluation:

1. Attendance in class

2. Activity during classes, participation in discussions, ability to defend one's position

3. Quality of presentation and one chapter of the 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.

### Teaching methods

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

### Bibliography

Basic

1. Dudziak A., Żejmo A.: Redagowanie prac dyplomowych – wskazówki metodyczne dla studentów.

Difin, Warszawa 2008 (in Polish)

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

Additional

### Breakdown of average student's workload



	Hours	ECTS
Total workload	630	21.0
Classes requiring direct contact with the teacher	60	3.0
Student's own work (literature studies)	570	18.0