



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Construction and Exploitation of Means of Transport

Area of study (specialization)

Food Industry Machines and Refrigeration

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

Tutorials

0

Projects/seminars

9

### Number of credit points

15

### Lecturers

Responsible for the course/lecturer:

prof. dr hab. inż. Krzysztof Bieńczak

email: krzysztof.bieniczak@put.poznan.pl

tel. 616475888

Inżynierii Lądowej i Transportu

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

### Prerequisites

**KNOWLEDGE:** Has knowledge of the sources of scientific and technical information and how to use them. Knows what the structure of the diploma thesis should be. Knows the ethical rules applicable when writing a diploma thesis (the issue of, inter alia, plagiarism.). Knows how to prepare the presentation of the diploma thesis.

**SKILLS:** Student can prepare a preliminary plan for his diploma thesis. Is able to use sources of information correctly and make their bibliographic description.

**SOCIAL COMPETENCES:** Understands the need to honestly include someone else's achievements in their own diploma thesis. Is aware of the social consequences of engineering activities.



## Course objective

Preparing students to independently prepare an engineering diploma thesis.

## Course-related learning outcomes

### Knowledge

1. Has extended basic knowledge necessary to understand specialist subjects and specialist knowledge of the structure, construction methods, manufacturing and operation of a selected group of working, transport, thermal and flow machines covered by the WILiT specialization profile, in particular food and refrigeration machines.

### Skills

1. Can search in catalogs and manufacturers' websites for ready-made machine components to be used in their own projects. Interpret given information and draw conclusions from it, and create and justify opinions.

2. Can use computer office packages for editing technical texts, including formulas and tables, technical and economic calculations using a spreadsheet and running a simple relational database in his own projects.

### Social competences

1. Is ready to critically assess the knowledge and content received.

2. Is ready to recognize the importance of knowledge in solving cognitive and practical problems and to consult experts in case of difficulties in solving the problem on its own.

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Credit based on the presented papers constituting subsequent parts of the diploma thesis and presentation of complete thesis content.

## Programme content

Student, in the form of lectures, presents the subsequent parts of his diploma thesis and then presentation of complete thesis content.

## Teaching methods

lecture, self-presentation

## Bibliography

### Basic

1. Leszek W. Badania empiryczne. Wyd. ITE, Radom 1997.

2. Honczarenko J., Zygmunt M., Poradnik dyplomanta. Wyd. Pol. Szczecińskiej, Szczecin 2000.



3. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2003.
4. Leszek W. Badania empiryczne. Wyd. ITE, Radom 1997.
5. Honczarenko J., Zygmunt M., Poradnik dyplomanta. Wyd. Pol. Szczecińskiej, Szczecin 2000.
6. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2003.

Additional

1. Literature from the substantive work area.

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	375	15,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, preparation for tests/exam, collecting materials and writing a thesis) <sup>1</sup>	350	14,0

<sup>1</sup> delete or add other activities as appropriate