



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Year/Semester

Construction and Exploitation of Means of Transport

2/3

Area of study (specialization)

Profile of study

Food Industry Machines and Refrigeration

general academic

Level of study

Course offered in

Second-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

0

0

0

Tutorials

Projects/seminars

0

15

Number of credit points

18

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

prof. dr hab. inż. Krzysztof Bieńczak

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Faculty of Civil and Transport Engineering

ul. Piotrowo 3, 60-965 Poznań

Prerequisites

Knowledge: Has knowledge about scientific and technical sources of information and the ways of using 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.

Social competences: Understands the necessity of honestly incorporating someone else's achievements into their own diploma thesis. Is aware of the social consequences of engineering activities.

Skills: Can prepare a preliminary plan for his diploma thesis. He can use sources of information correctly and make their bibliographic description.



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 about 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 on manufacturers' websites for ready-made machine components to be used in own projects. Interpret given information and draw conclusions from it, as well as 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 with 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, which constitute successive parts of the diploma thesis and the essay of this thesis.

Programme content

Student, in the form of lectures, presents the next parts of his diploma thesis and then the whole contents.

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 area of the work

Breakdown of average student's workload

	Hours	ECTS
Total workload	450	18,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, project preparation) ¹	425	17,0

¹ delete or add other activities as appropriate