COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2TOZ1>SD]

Course

Field of study
Circular System Technologies

Year/Semester
2/3

Area of study (specialization)
Material recycling and chemical recovery

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

1,00

Coordinators

dr hab. inż. Katarzyna Materna prof. PP
katarzyna.materna@put.poznan.pl

Lecturers

Prerequisites

The student has basic knowledge of the studies in the field of circular system technologies. The student has the basic ability to use professional literature. The student has the basic ability to write specialized texts in accordance with the field of study. The student understands the need for further training and raising their professional and personal competences.

Course objective

Acquiring knowledge about the fundamentals of conducting scientific research, developing and presenting research findings. Mastering the skills for conducting scientific discussions.

Course-related learning outcomes

Knowledge:
Knowledge consistent with the topic of the master's thesis.

Skills:
The student is able to skillfully utilize professional literature, interpret and critically evaluate obtained information, and formulate conclusions based on it. [K_U15]

The student is able to think creatively, make appropriate use of sources, conduct critical analysis of them, and formulate opinions based on the contained information. [K_U06]
The student is capable of independently planning and pursuing lifelong learning to enhance personal professional competencies. [K_U05]

Social competences:
The student is prepared to:
- understand the need for self-education and enhancing their professional competencies. [K_K03]
- be aware of personal responsibility arising from their professional role and the emergence of moral and ethical issues. [K_K01]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The current evaluation of the speeches (the way of presentation, the substantive value of the presented results, the ability to respond to the questions asked).

Programme content

The curriculum content includes gaining knowledge in the fundamentals of conducting scientific research, developing and presenting findings, as well as enhancing skills for engaging in scientific discussions.

Course topics

Structure of experimental scientific papers: literature review, formulation of research objectives, experimental section (description of apparatus, reagents, materials, and research methods), presentation and discussion of results, and conclusions. Discussion of the issue of plagiarism and scientific fraud.
Structure of oral scientific presentations: brief introduction, research objectives, synthetic overview of results, and conclusions.
Scientific discussion: ability to formulate questions and respond to inquiries.
Review of master's theses at various stages of advancement.

Teaching methods

Seminars.

Bibliography

Basic:
Recommended by the thesis supervisor.

Additional:
Recommended by the thesis supervisor.

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	10	0,50