



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study	Year/Semester
Environmental Protection Technologies	II/3
Area of study (specialization)	Profile of study
Ecotechnology	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	30	

Number of credit points

5

Lecturers

Responsible for the course/lecturer:
prof. dr hab. inż. Adam Voelkel

Responsible for the course/lecturer:

Prerequisites

ordered knowledge from the I degree of studies in the field of technology of environmental protection; basic ability of use the scientific literature; ability of technical preparation of the scientific presentation

Course objective

Monitoring the process of preparation of diploma work. Discussion on the problems appearing during the preparation of diploma work.

Course-related learning outcomes

Knowledge

1. has the knowledge on the techniques, methods and background of chemistry and technology of environmental protection - [K_W03,K_W11]

2. can describe methods, techniques, tools and materials used for the solution of simple problems connected with identification of substances during solving the problems connected with the field of study - [K_W07, K_W15]



Skills

1. Student can select the proper spectroscopic technique to solve the given problem - [K_U11, K_U15, K_U21]
2. has basic skills for maintenance of basic tools (methods) for solving the problem in the field technology of environmental protection - [K_U14, K_U21]
3. Student can use specialist English. - [K_U17]

Social competences

Student understands the need to supplement her/his education and increasing professional competences. - [K_K01]

2. Student has the awareness to obey the engineer ethic rules. - [K_K02, K_K05]
3. Student can act and cooperate in the group accepting different roles. - [K_K03]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Two presentations concerning the background of the diploma work and the results collected.

Programme content

1. Possibilities of searching information in scientific bases, the way of the use of these data and presentation in the work.
2. Arrangement of the diploma work – most of ten formal and content-related errors..
3. Assessment of the presentation of the results and the way of the knowledge transfer

Teaching methods

seminar

Bibliography

Basic

1. Indicated by the diploma work advisor.

Additional

as above



Breakdown of average student's workload

	Hours	ECTS
Total workload	50	5,0
Classes requiring direct contact with the teacher	30	
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	20	

¹ delete or add other activities as appropriate