

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma thesis preparation		Code 1010135241010100974
Field of study Environmental Engineering Extramural Second-	Profile of study (general academic, practical) general academic	Year /Semester 2 / 4
Elective path/specialty Water Suply, Water Soil Protection	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time,part-time) part-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 7		No. of credits 10
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 10 100% 10 100%
Responsible for subject / lecturer: dr inż. Małgorzata Basińska email: malgorzata.basinska@put.poznan.pl tel. (61) 647 5824 Faculty of Civil and Environmental Engineering ul. Piotrowo 5 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge (engineering level) - obtained within the scope of the subjects taught and the part-time degree in Environmental Engineering.
2	Skills	The skills acquired in the course of time studies degree - design, construction and operation of installations in buildings and external networks in the field of environmental engineering.
3	Social competencies	Ability to work independently.
Assumptions and objectives of the course: Preparing students to carry out the master thesis.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. The student has the knowledge gained in the current process of education that is necessary for the preparation of master work to the extent specified in the subject of the thesis - [K_W03, K_W04, K_W07] 2. The student has knowledge of the methods of solving technical problems - [K_W07]		
Skills:		
1. The student is able to formulate the thesis work, select and apply the appropriate method of solution of the problem and to draw conclusions on the basis of the collected material - [K_U12, K_U14] 2. Student use of information technology, Internet resources and other sources to find the information necessary for the preparation of a thesis - [K_U01, K_U07]		
Social competencies:		
1. The student is aware the need to raise professional competence - [K_K01] 2. Student is able to draw conclusions and describe the results of their own - [K_K04] 3. Student complements and extends knowledge of modern techniques, processes and technologies in environmental engineering - [K_K01, K_K07]		
Assessment methods of study outcomes		

Consultations - checking progress, factual correctness, the degree of progress of the thesis. The evaluation of the thesis supervisor issues.		
Course description		
Program content compatible with the tasks detailed in the tab master thesis topic.		
Basic bibliography:		
1. Technical Books in line with the theme of work 2. Polish and European technical standards and construction		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. OWN WORK(Intependent) Preparation of thesis and scientific research	243	
2. Direct contacte/consultation with supervisor	7	
Student's workload		
Source of workload	hours	ECTS
Total workload	300	10
Contact hours	7	1
Practical activities	93	4