

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma thesis preparation		Code 1010125141010120974
Field of study Transportation Engineering Extramural Second-	Profile of study (general academic, practical) general academic	Year /Semester 2 / 4
Elective path/specialty Road Engineering	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: 1		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: prof. dr hab. inż. Wojciech Grabowski email: wojciech.grabowski@put.poznan.pl tel. 61-665-24-87 Civil and Environmental Engineering Piotrowo Str. 5, 60-965 Poznań		Responsible for subject / lecturer: Dr. Mieczysław Słowik email: Mieczyslaw.Slowik@put.poznan.pl tel. +48 61 665 24 87 Faculty of Civil and Environmental Engineering 5, Piotrowo Street, PL 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The scope of the knowledge gained from the program the first cycle studies and the first and second semester of the second cycle
2	Skills	The skills acquired in the I and II course of studies in the areas: design, construction and maintenance of roads.
3	Social competencies	Ability to work independently.
Assumptions and objectives of the course: Preparing of students to execute the dissertation 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 required to prepare a thesis. - [-] 2. The student has knowledge of the methods of solving technical problems - [-] 3. The student has the knowledge acquired from the analysis of the technical, economic, or empirical research project.- [-]		
Skills:		
1. It has the ability to draw conclusions on the basis of the collected material.- . - [-] 2. Student can submit the thesis, a method of analysis, the conclusions in the form of development, and has the ability to specify the thesis, collect and analyze literature. - [-] 3. It has the ability to critically evaluate the width and the ability to formulate the problem of selection methods to resolve the subject. - [-]		
Social competencies:		
1. Able to work independently. - [K_K01] 2. Is aware of the need for professional development. - [K_K06] 3. Comply with the rules of ethics. - [K_K11]		

Assessment methods of study outcomes

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The consultation viewing the progress and severity of the thesis and Final thesis exam.		
Course description		
-Course content compatible with the tasks detailed data in tab thesis topic.		
Basic bibliography:		
1. Scientific and technical literature, standards, guidelines, technical and procedural requirements raised by the graduate student in accordance with the subject of the thesis.		
Additional bibliography:		
1. Scientific and technical literature collected by graduate student in accordance with the subject of the thesis.		
Result of average student's workload		
Activity	Time (working hours)	
1. Consultation with the supervisor.	12	
2. Individual preparation of Thesis	267	
3. Diploma exam.	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	250	10
Contact hours	10	0
Practical activities	0	0