

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: 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: prof. 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 hab. inż. Mieczysław Słowik email: Mieczyslaw.Slowik@put.poznan.pl tel. 61 665 24 78 Faculty of Civil and Environmental Engineering ul. Piotrowo 5 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. Direct contact/consultation with supervisor	7	
2. OWN WORK (Intependent work) Preparation of thesis and scientific research	243	
Student's workload		
Source of workload	hours	ECTS
Total workload	250	10
Contact hours	7	0
Practical activities	250	10