

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma thesis preparation</b>		Code <b>1010102131010120974</b>
Field of study <b>Civil Engineering Second-cycle Studies</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>2 / 3</b>
Elective path/specialty <b>Roads and Highways</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>1</b>		No. of credits <b>15</b>
Status of the course in the study program (Basic, major, other) <b>other</b>		(university-wide, from another field) <b>university-wide</b>
Education areas and fields of science and art <b>technical sciences</b> <b>Technical sciences</b>		ECTS distribution (number and %) <b>15 100%</b> <b>15 100%</b>
<b>Responsible for subject / lecturer:</b>  Dr. Mieczysław Słowik email: Mieczyslaw.Slowik@put.poznan.pl tel. +48 61 665 24 87 Faculty of Civil and Environmental Engineering 5, Piotrowo St., PL 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Knowledge gained from course implemented in the full-time second degree studies in Civil Engineering, specialty Roads and Motorways.
2	<b>Skills</b>	The skills learned during the second degree course concerning design, construction and maintenance of roads.
3	<b>Social competencies</b>	Individual work on specific task.
<b>Assumptions and objectives of the course:</b> Preparing Students for individual or team performance of Master thesis		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Student has the knowledge gained in the current educational process necessary to prepare a Master thesis in the field specified in the thesis topic - [-]		
2. Student has knowledge concerning the methods of solving technical problems occurring in road construction - [-]		
<b>Skills:</b>		
1. Student is able to plan and carry out laboratory experiments leading to the evaluation of the quality of road materials - [K_U11]		
2. Student can, in accordance with scientific principles, using scientific workshop to formulate and carry out preliminary research work leading to solutions of the problems arising in road engineering - [K_U17]		
3. Student is able to make the development preparing him for scientific work - [K_U18]		
<b>Social competencies:</b>		
1. Carrying out specific tasks Student is able to work individually, or to work in a team - [K_K01]		
2. Student is responsible for the accuracy of the results of his work - [K_K02]		
3. Student is aware of the need to enhance his professional and personal competence - [K_K06]		
<b>Assessment methods of study outcomes</b>		

Regular consultation viewing substantive correctness and severity of Master thesis. Assessment is made by the Supervisor of the Master thesis.		
<b>Course description</b>		
Program contents in accordance with the tasks detailed in the Master's thesis topic.		
<b>Basic bibliography:</b> 1. Scientific and technical literature, standards, guidelines, technical requirements obtained by the Student, in accordance with the subject of the Master thesis		
<b>Additional bibliography:</b>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Consultation with the supervisor of Master thesis	10	
2. Individual performance of Master thesis	400	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	375	15
Contact hours	0	0
Practical activities	200	8