

Description of course		
Code	DS_TSEM	
Name	Diploma Seminar	
Version	2020/21	
A. Place of the course in system of studies		
Level of education	Intermediate	
Form and mode of studies	Full-time studies	
Field of studies	Transport	
Profile	General academic profile	
Specialisation	Main field	
Place of teaching of course	Transport systems engineering and management	
Place of realization of course	Warsaw University of Technology, Faculty of Transport	
Coordinator	Prof. dr hab. inż. Krzysztof Zboński	
B. General characteristic of the course		
Block of courses	Main field	
Group of courses	General	
Level of course	-	
Language of course	English	
Nominal semester	-	
Preliminary requirements	Diploma thesis card already obtained or at least the thesis subject fixed	
Limit of students	30 students	
C. Effects of education and manner of teaching		
Purpose of course		
Effects of education	See Table 1	
Form of didactic studies and number of hours per week	Lecture	-
	Exercise type of course	30
	Laboratory	-
	Project type of course	-
Contents of education	Rules and regulations to accomplish diploma thesis, principles of bibliography use, notions and rules in scope of intellectual property rights and copyrights as well as utilization of files of patent information. Presenting assumptions, merits analysis of diploma thesis card content of each student. Individual presentation of each student elaborations that proves ability of the student to solve problems, which is based on knowing theoretical bases or empirical tests and on use of known methods, analyses and computer software that concern the problem being considered in the thesis. Critical analysis of presented solutions, discussion and defence of views by all the seminar attendees.	
Methods of education	Lectures and consultations by the teacher (4 + 1 hours) and individually prepared students' presentations	
Methods of evaluation	Evaluation of work presentation form. Evaluation of presented knowledge selection and scope. Evaluation of taking part in discussions on other elaborations.	
Methods of verification of effects of education	Evaluation of presentations content and taking part in discussions.	
Exam	No	
Literature:	1) Literature concerning rules of diploma thesis writing; 2) Literature concerning problems of intellectual property rights and copyrights as well as and utilization of files of patent information; 3) Literature adequate to subject and scope of the diploma thesis.	
www	www.wt.pw.edu.pl	
D. Student's activity		
Number of ECTS points	2	

Number of hours of student's job for achievement of education's effect (description):	60 hours including: 30 hours of work during the seminar, 11 hours of knowing the rules of diploma thesis writing, problems of intellectual property rights and copyrights, and utilization of files of patent information, 1 hour of the consultations, and 18 hours of preparing two or three presentations with calculations if necessary.
Number of credits ECTS on the course with direct participation of academic teacher	1,5 (31 hours = 30 hours of work during the classes + 1 hour of consultations)
Number of credits ECTS on practical activities on the course	1,0 (18 hours that include preparing two or three presentations with realization of the necessary calculations)
E. Additional information	
Notes	This subject is realized in seminar groups individual for each specialization of education
Date of last edition	October 2020

Table 1. General academic profile

Effect:	Field effects	Verification:	Area effect
Knowledge			
Possessing updated knowledge about trends in development and most essential new achievements within the scope of subjects in master diploma thesis cards of the seminar attendees.	W01	Evaluation of presentations content and form as well as of taking part in discussions.	...
Knowing examples of methods, techniques, tools and materials applied in resolving complex engineering problems within the scope of subjects in master diploma thesis cards of the seminar attendees.	W02	Evaluation of taking part in discussions.	
Knowing and understanding basic notions and rules in scope of intellectual property rights and copyrights as well as necessity of management of intellectual property sources and ability to use files of patent information.	W03	ocena treści i formy prezentacji oraz udziału w dyskusjach Evaluation of presentations content and form as well as of taking part in discussions.	
Knowing and understanding by alumnus general principles of creating and development of individual entrepreneurship forms.	W04	Evaluation of taking part in discussions on entrepreneurship	...
Skills			
Ability to make critical assessment of information and justify opinions comprehensively.	U01	Evaluation of presentations content and form as well as of taking part in discussions.	
Ability to prepare and present in English (and his native language as well) short presentations concerning own results of research.	U02	Evaluation of presentations content and form.	
Ability to determine directions of further learning and to realize process of gathering knowledge and skills to complete diploma thesis.	U03	Evaluation of progress in diploma thesis realization and of presentation scope, assumptions and effects.	

Ability to assess usability and possibility of new achievements exploitation (techniques and technologies) in resolving own research problem and problems of other seminar attendees.	U04	Evaluation of presentations content and form as well as of taking part in discussions.	
Ability to propose improvements (streamlines) to existing technical solutions presented by himself and other seminar attendees.	U05	Evaluation of presentations content and form as well as of taking part in discussions.	
Ability to perceive limitations of methods and tools used for resolving own assigned task and tasks of other seminar attendees.	U06	Evaluation of presentations content and form as well as of taking part in discussions.	
Social competences			
Ability to provide information concerning own work and opinions about other persons activity in clear way with justification of different points of view.	K01	Evaluation of presentations content and form as well as of taking part in discussions.	

Uprzeźdź