

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Road law and environmental protection		Code 1010102131010126034
Field of study Civil Engineering Second-cycle Studies	Profile of study (general academic, practical) general academic	Year /Semester 2 / 3
Elective path/specialty Roads and Highways	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: 15 Laboratory: - Project/seminars: -		No. of credits 1
Status of the course in the study program (Basic, major, other) major		(university-wide, from another field) from field
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 1 100% 1 100%
Responsible for subject / lecturer: dr inż. Agnieszka Płatkiewicz email: agnieszka.platkiewicz@put.poznan.pl tel. 061 6652-486 Faculty of Civil and Environmental Engineering ul. Piotrowo 5 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Detailed knowledge of the design, construction, maintenance and operation of roads
2	Skills	The ability to acquire information from literature, databases and other sources and to integrate obtained data. The ability to interpret and draw conclusions The ability to critically analyze and to evaluate of existing road construction technologies
3	Social competencies	The ability to work independently and in a team The awareness of the non-technical effects of engineering activities, including its impact on the environment and responsibility for the decisions
Assumptions and objectives of the course: The transfer of knowledge in the current regulations and laws in force in the road and the acquisition of skills necessary to study new problems and their solutions in cutting-edge research; The ability to identify and solve major issues concerning the environmental protection at the design, construction and exploitation of roads; The ability to independent study of new problems and to solve them while conducting research work;		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student knows and applies the provisions of law relating to road construction - [K_W17] 2. Student has knowledge of the impact of the road investments on the environment - [K_W13] 3. Student has knowledge of the methods of environment protection and of the basic legislation in this area - [K_W13, K_W17] 4. Student knows the environmental defense instruments while the road investments execution - [K_W13, K_W14]		
Skills:		
1. Student uses specialized tools to search for useful information, communication, supporting the work of the organizer of road - [K_U05] 2. Student is able to analyze the risks in the implementation and operation of road projects and implement appropriate measures to protect - [K_U12]		
Social competencies:		
1. Student is able to work independently and collaborate as a team on the specific task of road construction - [K_K01] 2. Student is aware of the need for sustainable, energy-efficient development in road construction - [K_K04] 3. Student understands the need to provide information to the public in the field of road management systems - [K_K08]		

Assessment methods of study outcomes												
<p>Classes - students knowledge is assessed on the basis of a written exam which takes place during last lecture (according to the timetable). The exam consists of 4 questions and lasts 30 minutes.</p> <p>Students are informed about exam's date, form and time during the first lecture.</p> <p>Grading scale:</p> <table><tr><td>16 points</td><td>- A (very good)</td></tr><tr><td>14-15 points</td><td>- B (good plus)</td></tr><tr><td>12-13 points</td><td>- C (good)</td></tr><tr><td>10-11 points</td><td>- D (satisfactory plus)</td></tr><tr><td>8-9 points</td><td>- E (satisfactory)</td></tr><tr><td>below 8 points</td><td>- F (fail)</td></tr></table>	16 points	- A (very good)	14-15 points	- B (good plus)	12-13 points	- C (good)	10-11 points	- D (satisfactory plus)	8-9 points	- E (satisfactory)	below 8 points	- F (fail)
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below 8 points	- F (fail)											
Course description												
<p>Selected topics in the theory of law (rules, regulations, legislation, legislative acts in force across the country, the constitution, codes, Code of Administrative Procedure, the acts of local law). Transport policy of the state. Transport Development Strategy until 2020 (with the prospect of up to 2030).</p> <p>Regulations and decisions of the EU Council and the European Parliament on the TEN-T (Trans-European Network-Transport). Results Polish negotiations with the European Union in the field of transport policy. Preparation phase of road investments in Poland in the years 1990-2012. Compensation for property taken for public roads.</p> <p>Selected topics from the following acts: the Act on public roads, the technical conditions to be met by public roads and their location, the technical conditions to be met by traffic engineering objects and their locations, technical regulations - Construction of toll motorways, toll roads Act and the National road Fund, the Law on special Rules for the investment in public roads, road traffic, road traffic management and the oversight of the management, regulation on road signs and signals as well as on detailed technical specifications for road signs and signals , Regulation on the method of numbering and registration of public roads, and the procedure for the gathering of information and the collection and sharing of data on public roads, bridges, tunnels, ferries, Act: road through special purpose vehicles, concession or services and on public -private Regulation on the calculation of the maximum rate of electronic toll and on the roads or sections on which the fee is collected electronically.</p> <p>The environmental condition in Poland; the impact of the road investments on the environment; passive and active environmental protection; protection against road noise and vibrations; protection against air pollution; protection of water and soil; nature and landscape protection; the process of evaluating the impact of the road investments on the environment;</p>												
<p>Basic bibliography:</p> <ol style="list-style-type: none">1. Stawecki T., Winczorek P., Wstęp do prawoznawstwa, Warszawa 20022. Wybrane rozporządzenia i decyzje Rady UE i Parlamentu Europejskiego3. Strategia Rozwoju Transportu do 2020 roku (z perspektywą do 2030 roku) - Ministerstwo Transportu, Budownictwa i Gospodarki Morskiej, 20134. Wybrane kodeksy, ustawy i rozporządzenia związane z budownictwem drogowym - Internetowy System Aktów Prawnych - ISAP5. Praca zbiorowa, Zasady ochrony środowiska w drogownictwie, Generalna Dyrekcja Dróg Publicznych, (opracowanie IBDiM), Warszawa, 19996. Praca zbiorowa, Podręcznik dobrych praktyk wykonywania opracowań środowiskowych dla dróg krajowych, EEKOM sp. z o.o., Kraków, 20087. Praca zbiorowa, Ekologia dróg, Island Press, 2003 (przekład 2009)												
<p>Additional bibliography:</p> <ol style="list-style-type: none">1. Kopta T., Zrównoważony system transportowy, Transport Miejski Nr 6/19992. Wybrane zagadnienia dotyczące odszkodowań za nieruchomości przejęte pod drogi publiczne, Ministerstwo Infrastruktury, 20103. Dzienniki Urzędowe Ministra Transportu, Budownictwa i Gospodarki Morskiej,2013-http://e-dziennik.transport.gov.pl/index.php4. Wybrane zarządzenia Generalnego Dyrektora Dróg Krajowych i Autostrad związane z budownictwem drogowym, www.gddkia.gov.pl/l/1869/Raok-20135. Praca zbiorowa, Zasady ochrony środowiska w budowie dróg, Generalna Dyrekcja Dróg Publicznych, Warszawa, 19936. Izabella Ołędzka-Graffstein, Zagadnienia ochrony środowiska w otoczeniu dróg, Wydawnictwa Komunikacji i Łączności, Warszawa, 19837. Zbigniew Engel, Ochrona środowiska przed drganiem i hałasem, PWN, Warszawa, 2001												
Result of average student's workload												

Activity		Time (working hours)
1. Participation in classes		15
2. Search and analysis of selected codes, laws, regulations and orders relating to road construction		5
3. Preparation for the exam		10
Student's workload		
Source of workload	hours	ECTS
Total workload	25	1
Contact hours	15	1
Practical activities	10	0