

MODULE SPECIFICATION

Module code	
Module title in Polish	Organizacja ruchu drogowego
Module title in English	Organisation of Road Traffic
Module running from the academic year	2016/2017

A. MODULE IN THE CONTEXT OF THE PROGRAMME OF STUDY

Field of study	Civil Engineering
Level of qualification	First cycle <i>(first cycle, second cycle)</i>
Studies profile	Academic <i>(academic/practical)</i>
Mode of study	Full-time <i>(full-time / part-time)</i>
Specialism	
Organisational unit responsible for module delivery	The Department of Transportation Engineering
Module co-ordinator	Anna Chomicz-Kowalska, PhD, Eng.
Approved by	Marek Iwański, Professor

B. MODULE OVERVIEW

Module type	Core module <i>(core/programme-specific/elective HES*)</i>
Module status	Compulsory module <i>(compulsory / non-compulsory)</i>
Language of module delivery	English
Semester in the programme of study in which the module is taught	Semester 5
Semester in the academic year in which the module is taught	Winter semester <i>(winter / summer)</i>
Pre-requisites	None <i>(module code/module title, where appropriate)</i>
Examination required	No <i>(yes / no)</i>
ECTS credits	1

Mode of instruction	lectures	classes	laboratories	project	others
Total hours per semester	15				

* elective HES – elective modules in the Humanities and Economic and Social Sciences

C. LEARNING OUTCOMES AND ASSESSMENT METHODS

Module aims	The aim of the module is to familiarise students with the issues occurring on road and street network and having an impact on traffic safety and efficiency. Another aim is to learn solutions of traffic organisation which have been checked in engineering practice.
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Module outcome code	Module learning outcomes	Mode of instruction (l/c/lab/p/ others)	Corresponding programme outcome code	Corresponding discipline-specific outcome code
W_01	A student knows the principles of technical and functional classification of road network elements.	l	B_W12	T1A_W02 T1A_W03 T1A_W04 T1A_W05 T1A_W07
W_02	A student knows basic means of organisation depending on their purpose.	l	B_W08 B_W10 B_W12	T1A_W02 T1A_W03 T1A_W04 T1A_W05 T1A_W07 T1A_W08
W_03	A student knows basic methods of reducing traffic in urban and non-urban areas.	l	B_W10 B_W12	T1A_W02 T1A_W03 T1A_W04 T1A_W05 T1A_W07 T1A_W08

Module content:

1. Topics to be covered in the lectures

No.	Topics	Module outcome code
1	Introductory information on transport systems of and the structure of road network. Functional systems of roads and streets. Structural networks of a road network. The principles of shaping functional systems.	W_01
2	The aims and means of traffic organisation on non-urban roads. The methods of organising traffic. The applied solutions depending on the target.	W_02 W_03
3	The selected means of traffic organisation on urbanised areas. Speed limits. Setting out routes with the right of way.	W_02 W_03
4	No turn. No-way streets. The organisation of transit motion on developed areas. The priorities of public communication.	W_02 W_03
5	Traffic signage of roads. The principles of signing. The classification of traffic signs in dangerous places with respect to road traffic. Signs accompanying the signage of road and street crossroads. Road safety.	W_02 W_03
6	Traffic signage of roads and streets. The classification of signage. Longitudinal signs and arrows. Cross and complementary signs. The principles of providing signage in the dangerous places. Road safety.	W_02 W_03
7	The methods of reducing traffic (their aims, engineering methods, reducing intensity of traffic, reducing velocity).	W_02 W_03
8	A final test.	W_01 W_02 W_03

2. Topics to be covered in the classes
3. Topics to be covered in the laboratories
4. Topics to be covered in the projects

Assessment methods

Module outcome code	Assessment methods <i>(Method of assessment; for module skills – reference to specific project, laboratory and similar tasks)</i>
W_01	A test
W_02	A test
W_03	A test

C. STUDENT LEARNING ACTIVITIES

ECTS summary		
	Type of learning activity	Study time/ credits
1	Contact hours: participation in lectures	15
2	Contact hours: participation in classes	
3	Contact hours: participation in laboratories	
4	Contact hours: attendance at office hours (2-3 appointments per semester)	2
5	Contact hours: participation in project-based classes	
6	Contact hours: meetings with a project module leader	
7	Contact hours: attendance at an examination	
8		
9	Number of contact hours	17 <i>(total)</i>
10	Number of ECTS credits for contact hours <i>(1 ECTS credit =25-30 hours of study time)</i>	0.7
11	Private study hours: background reading for lectures	3
12	Private study hours: preparation for classes	
13	Private study hours: preparation for tests	3
14	Private study hours: preparation for laboratories	
15	Private study hours: writing reports	
16	Private study hours: preparation for a final test in laboratories	
17	Private study hours: preparation of a project/a design specification	
18	Private study hours: preparation for an examination	
19		
20	Number of private study hours	6 <i>(total)</i>
21	Number of ECTS credits for private study hours <i>(1 ECTS credit =25-30 hours of study time)</i>	0.2
22	Total study time	23
23	Total ECTS credits for the module <i>(1 ECTS credit =25-30 hours of study time)</i>	1
24	Number of practice-based hours <i>Total practice-based hours</i>	2
25	Number of ECTS credits for practice-based hours <i>(1 ECTS credit =25-30 hours of study time)</i>	0.4