



WP 2.1, 5.1 and 7.1 Meeting

within the Project

**Master in SMArt transport and LOGistics for cities / SMALOG
(585832-EPP-1-2017-1-IT-EPPKA2-CBHE-JP)**

**Silesian University of Technology, Faculty of Transport
*19 – 24 March 2018, Katowice, Poland***

Venue: Rooms 017-018, Krasińskiego 8, 40-019 Katowice, Poland

Minutes

Attended from:

Silesian University of Technology (Katowice, Poland): Aleksander Śladkowski, Maria Cieśla, Robert Wieszała;

Lviv Politechnic National University (Ukraine): Volodymyr Hilevych, Volodymyr Kovalyshyn;

Zhytomyr State Technological University (Ukraine): Andrii Ilchenko, Yurii Kubrak, Vasyl Mamrai, Volodymyr Shymliakivskyi;

O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine): Denys Ponkratov;

Georgian Technical University (Tbilisi, Georgia): Giorgi Doborjginidze, Temuraz Ugulava

Chair: Prof. Aleksander Śladkowski, Head of the Department of Logistics and Aviation Technologies at the Silesian University of Technology



The issues discussed: Execution of tasks within the framework of WP 2.1, 5.1 and 7.1.

Took part in the discussion: Aleksander Ślaskowski, Robert Wieszala, Volodymyr Hilevych, Volodymyr Kovalyshyn, Vasyl Mamrai, Volodymyr Shymliakivskyi, Denys Ponkratov, Giorgi Doborjginidze.

The meeting decided:

1. As a basis for the proposed draft master plan for the universities of Ukraine and Georgia, accept the proposal of Lviv Politechnic National University.
2. This project includes all proposals of University of Rome Tor Vergata taking into account local features.
3. This project provides for the preparation of master students for 4 semesters.
4. Each university can supplement the training plan with subjects that are mandatory for the educational system of a specific country.
5. These additional items should be included in the unit of subjects chosen by the student.
6. It seems possible to accept as a temporary project (for successful implementation on time) to develop a master plan for 3 semesters for the Zhytomyr State Technological University.
7. It seems possible to adopt the Silesian University of Technology quality system as the basis for the quality system of education.
8. It seems advisable to provide in the procurement system for universities in Ukraine and Georgia the purchase of thematic textbooks in English.

Curriculum

LVIV POLITECHNIC
NATIONAL UNIVERSITY

Version 3 editing 0

Specialty **275**

Draft

Transport technologies (by type)

Form of education - day

Higher education level : **master**

2018 year of entry

1. Schedule of the educational process

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	KT 1	KT 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Legend:

* - аудиторні заняття, CK - семестровий контроль, X - виробнича практика або за темою КР, II - виконання атестаційної роботи, // - захист атестаційної роботи, = - канікули, KT1 - кількість тижнів аудиторного навчання осіннього семестру, KT2 - кількість тижнів аудиторного навчання весняного семестру.

2. Plan of the educational process

№ n/n	Subjects	Type of training	Semester	Semester control	The scope of work					Distribution by classes of classes, hours				Hom and graphics work	Control work	Chair
					ECTS	Hours				Lectures	Laboratory	Practical	Weekly			
						Total	Autul work	МК	Independent work							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	TOTAL FOR SPECIALTY:				120	3600	1056		2544	464	224	368		1	4	
	COMPULSORY ACADEMIC DISCIPLINES				60	1800	336		1464	160	48	128		1	1	
	SELECTIVE DISCIPLINES OF SPECIALTY:				60	1800	720		1080	304	176	240			3	
	1. PROFESSIONAL DISCIPLINES OF SPECIALIZATION				120	3600	1056		2544	464	224	368		1	4	
	0300: SMART TRANSPORT AND LOGISTICS FOR CITIES				68	2040	416		1624	208	48	160		1	2	
	1.1. COMPULSORY ACADEMIC DISCIPLINES				60	1800	336		1464	160	48	128		1	1	
	1.1.1. GENERAL TRAINING CYCLE				3	90	32		58	16		16			1	
1	Efficiency of Cities Transport Systems (P.1. Economic Efficiency)		2	✖	3	90	32		58	16		16	1 2		1 12	ТТ
	1.1.3. CYCLE OF TRAINING PREPARATION				57	1710	304		1406	144	48	112		1		
2	City Passenger Transport		1	✖	3	90	48		42	32		16	2 1 3			ТТ
3	Occupational and Civil Safety		1	✖	3	90	32		58	16		16	1 2	1 18		ЦБ
4	Smart Transport and Logistics for Cities		1	✖	6	180	80		100	32	16	32	2 2 5	1 1		ТТ
5	Human and Environmental Impacts, Safety and Sustainability (P.1)		2	✖	6	180	80		100	32	16	32	2 2 5	1 1		ТТ
6	Efficiency of Cities Transport Systems (P.2. Social and Ecology Efficiency)		3	✖	6	180	64		116	32	16	16	2 1 4	1 1		ТТ
7	City Passenger Transport	КП	1	✖	3	90			90							ТТ
8	Master Thesis Related Internship	Пр	4	✖	6	180			180							ТТ
9	Fulfilment of Master Thesis	ВКР	4		21	630			630							ТТ

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
10	Defence of Master Thesis	KE	4		3	90			90							ТТ
	1.2. DISCIPLINE AT THE STUDENT'S CHOICE				8	240	80		160	48		32			1	
	1.2.5. EDUCATIONAL DISCIPLINES OF OTHER EDUCATIONAL PROGRAMS				8	240	80		160	48		32			1	
11	1. Discipline to choose		2	☒	3	90	32		58	16		16	1 2		1 12	КГСД
12	Intellectual Property		2	☒	3	90	32		58	16		16	1 2		1 12	МММ
13	Role of Religion in Modern Society		2	☒	3	90	32		58	16		16	1 2		1 12	КФ
14	Philosophical Problems of Science Knowledge		2	☒	3	90	32		58	16		16	1 2		1 12	КФ
15	2. Subjects to Choose		2	☒	5	150	48		102	32		16	2 1 3			ТТ
16	2.1. Integrated Transport System in City Logistics		2	☒	5	150	48		102	32		16	2 1 3			ТТ
17	2.2. Bus Rapid Transit		2	☒	5	150	48		102	32		16	2 1 3			ТТ
	0301: PART 0301				52	1560	640		920	256	176	208			2	
	1.2. DISCIPLINE AT THE STUDENT'S CHOICE				52	1560	640		920	256	176	208			2	
	1.2.3. CYCLE OF PROFESSIONAL TRAINING				52	1560	640		920	256	176	208			2	
18	Traffic Flows Simulating and Management		1	☒	5	150	80		70	32	32	16	2 1 5	2 1		ТТ
19	Smart Transport		1	☒	7	210	112		98	48	32	32	3 2 7	2 1		ТТ
20	Freight Transportation Simulation		2	☒	5	150	80		70	32	32	16	2 1 5	2 1		ТТ
21	Traffic Flows Management in the City Center (P.1)		2	☒	5	150	80		70	32	16	32	2 2 5	1 2	1 12	ТТ
22	Human and Environmental Impacts, Safety and Sustainability (P.2)		3	☒	6	180	80		100	16	32	32	1 2 5	2 1		ТТ
23	Smart Transport and Logistics for Cities Project		3	☒	4	120	64		56	32		32	2 2 4			ТТ
24	Traffic Control		3	☒	5	150	64		86	32		32	2 2 4		1 12	ТТ
25	Traffic Flows Management in the City Center (P.2)		3	☒	6	180	80		100	32	32	16	2 1 5	2 1		ТТ
26	Traffic Flows Simulating and Management	КП	1	☒	3	90			90							ТТ
27	Freight Transportation Simulation	КП	2	☒	3	90			90							ТТ
28	Smart Transport and Logistics for Cities Project	КП	3	☒	3	90			90							ТТ
	0302: PART 0302						0		0							
	1.2. DISCIPLINE AT THE STUDENT'S CHOICE				52	1560	624		936	256	160	208			2	
	1.2.3. CYCLE OF PROFESSIONAL TRAINING															
29	Intelligent Transport Systems		1	☒	8	240	112		128	48	32	32	3 2 7	2 1		ТТ
30	Special Methods of Traffic Engineering		1	☒	4	120	64		56	32	16	16	2 1 4	1 1		ТТ
31	Systems of Cargo Transportation		2	☒	5	150	80		70	32	32	16	2 1 5	2 1		ТТ
32	Transport Planning in Large Cities		2	☒	5	150	80		70	32	16	32	2 2 5	1 2	1 12	ТТ
33	Automated Systems of Traffic Control		3	☒	6	180	96		84	32	32	32	2 2 6	2 1		ТТ
34	Reliability of City Logistics		3	☒	6	180	96		84	32	32	32	2 2 6	2 1		ТТ
35	Technology for Traffic Control		3	☒	5	150	64		86	32		32	2 2 4			ТТ
36	Supply Chain Management		3	☒	4	120	32		88	16		16	1 1 2		1 12	ТТ

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
37	Special Methods of Traffic Engineering	КП	1	▣	3	90			90							ТТ
38	Systems of Cargo Transportation	КП	2	▣	3	90			90							ТТ
39	Supply Chain Management	КП	3	▣	3	90			90							ТТ

Примітка: Всі заліки диференційовані

Поля КР і РГР : верхнє значення - кількість робіт, нижнє значення - їх сумарна тривалість.

* - поглиблене вивчення української мови на основі окремих контрактів

Таблиця підсумків по семестрах навчального плану

(без дисциплін циклу фізично-рекреаційного та факультативного типу)

Distribution by semester	1 сем.	2 сем.	3 сем.	4 сем.	5 сем.	6 сем.	7 сем.	8 сем.	Всього
Loans only on schedule	30	30	30	30					120
Practic credits (except for the academic year) according to the schedule	0	0	0	6					6
Credits for the performance of qualifying works according to the schedule	0	0	0	21					21
Credits for defending qualifying work according to the schedule	0	0	0	3					3

8.275 Transport technologies (by type)

Part 0300

Part 0301

Credits	30	30	30	30					120
Practical credits (except for training) according to plan	0	0	0	6					6
Credits for qualifying works according to the plan	0	0	0	21					21
Credits for the protection of qualifying works according to the plan	0	0	0	3					3
Total exams	4	3	4	0					11
Total tests	1	3	1	0					5
Course projects	2	1	1	0					4
Coursework	0	0	0	0					
Control works	0	3	1	0					4
Graphic-calculation works	1	0	0	0					1
Hours in general	900	900	900	900					3600
Total lecture hours per week	10,00	10,00	9,00	0					29
Total laboratory hours a week	5,00	4,00	5,00	0					14
Total practical hours a week	7,00	8,00	8,00	0					23
Total classroom hours per week	22,00	22,00	22,00	0					66

Part 0302

Credits	30	30	30	30					120
Practical credits (except for training) according to plan	0	0	0	6					6
Credits for qualifying works according to the plan	0	0	0	21					21
Credits for the protection of qualifying works according to the plan	0	0	0	3					3
Total exams	4	3	4	0					11
Total tests	1	3	1	0					5
Course projects	2	1	1	0					4
Coursework	0	0	0	0					
Control works	0	3	1	0					4
Graphic-calculation works	1	0	0	0					1
Hours in general	900	900	900	900					3600
Total lecture hours per week	10,00	10,00	9,00	0					29
Total laboratory hours a week	4,00	4,00	5,00	0					13
Total practical hours a week	7,00	8,00	8,00	0					23
Total classroom hours per week	21,00	22,00	22,00	0					65