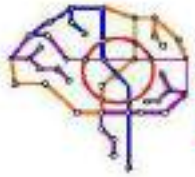




Co-funded by the
Erasmus+ Programme
of the European Union



SMA
LOG

KA2 - Cooperation for innovation and the exchange of good practices

Capacity Building in Higher Education

Joint project



Master in Smart Transport and Logistics for Cities / SmaLog

Our achievements and outcomes

Mariia Olkhova

O. M. Beketov National University of Urban Economy in Kharkiv

Final conference
5th of October 2021
Kharkiv

Our achievements

- ❑ 55 Students
- ❑ 20 Teachers
- ❑ 10 Researchers
- ❑ 1 Laboratory
- ❑ 7 enterprises of labour marker
- ❑ Personal life (**difficult to count**😊)
- ❑ Future and Sustainability



Logo creator and winner

Sergii Perov,

Master student of Smalog in NUUE (2018-2020)

The logo of the project was selected among the options developed by the consortium members at the beginning of the project.

He received a gift from the coordinator - a watch.



Students

- ❑ New innovative **Master programme** “Smart Transport and Logistics for cities” is accredited by the National Agency for Higher Education Quality Assurance (Ukraine).
- ❑ Studying in EU universities: academic + industrial experience
- ❑ Joint supervision during the writing of the theses (EU+NUUE)
- ❑ Lectures of EU professors
- ❑ Up-to-date knowledge and skills that correspond to labour maker

Educational Master programme "Smart Transport and Logistics for Cities (SmaLog)"

Aim of the Educational Master programme

Ensuring the training of highly skilled specialists in specialty 275 "Transport technologies", specialization 275.03 "Transport technologies (not motor transport)", educational scientific program "Smart transport and logistics for cities" are able to design and implement intelligent transport in urban transport systems, make decisions on the development of transport systems and logistics in cities, on the impact on the safety and stability of urban logistics and increase the efficiency of transport systems to cities.

DISTRIBUTION OF CONTENT BY GROUPS OF COMPONENTS AND TRAINING CYCLES

Training cycle	COMPULSORY PART (ECTS / h)	ELECTIVE PART (ECTS / h)
GENERAL TRAINING CYCLE	10 / 8,00	-
CYCLE OF PROFESSIONAL TRAINING	78 / 65	50 / 26,67
Total	88 / 73,3	50 / 26,67

LIST OF THE EDUCATIONAL SCIENTIFIC PROGRAM COMPONENTS

COMPULSORY PART	ELECTIVE PART
<p>General training cycle</p> <ul style="list-style-type: none"> Scientific Research Methodology (3 ECTS, 24 work hours) Scientific and Business Foreign Language (4 ECTS, 36 work hours) Occupational safety in the field of Civil Protection (3 ECTS, 24 work hours) <p>Cycle of professional training</p> <ul style="list-style-type: none"> Smart Transport and Logistics for Cities (3 ECTS, 24 work hours) City Passenger Transport (4 ECTS, 31 work hours) Efficiency of Urban Transport Systems (5 ECTS, 40 work hours) Integrated Transport Systems in City Logistics (6 ECTS, 48 work hours) Urban Goods (5 ECTS, 37 work hours) Traffic Flow Simulation and Management (6 ECTS, 48 work hours) Freight Transportation Simulation (6 ECTS, 48 work hours) Passenger Transport Systems Simulation (5 ECTS, 40 work hours) Course project "Smart Transport and Logistics for Cities" (3 ECTS) Course project "Transport System Simulation" (3 ECTS) Specialized Pedagogical Training (6 ECTS) Master Thesis (24 ECTS) 	<p>Code of professional training</p> <ul style="list-style-type: none"> Smart Transport (3 ECTS, 24 work hours) Traffic Flow Management in the City Center (3 ECTS, 24 work hours) Human and Environmental Impacts, Safety and Sustainability (3 ECTS, 24 work hours) Transportation urban planning (3 ECTS, 24 work hours) Supply Chain Management (3 ECTS, 24 work hours) Logistics Systems Optimization (3 ECTS, 24 work hours) Course work "Transportation urban planning" (3 ECTS) <p>SCIENTIFIC PART</p> <ul style="list-style-type: none"> Scientific Research Methodology (3 ECTS) Traffic Flow Simulation and Management (6 ECTS) Freight Transportation Simulation (6 ECTS) Passenger Transport Systems Simulation (5 ECTS) Course project "Transport Systems Simulation" (3 ECTS) Master Thesis (24 ECTS) <p><small>*This project has been done with support from the National Commission. The publication (journal articles, articles in the press, etc.) or the actual, scientific research results will be the requirement for the final report of the international cooperation.</small></p>



Students

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❑ Studying in EU universities: academic + industrial experience

❑ Joint supervision of the theses (EU)

❑ Lectures of EU

❑ Up-to-date knowledge that correspond to



Italy, Rome



Italy, Rome



Italy, Rome



Germany, Wismar



Poland, Katowice



Poland, Katowice



Students

- ❑ New innovative **Master programme** “Smart Transport and Logistics for cities” is accredited by the National Agency for Higher Education Quality Assurance (Ukraine).
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The top part of the image shows a Zoom meeting interface with a grid of participants. Below the meeting window is a presentation slide from O. M. Beketov National University of Urban Economy in Kharkiv. The slide title is "ASSESSING TACTICAL AND OPERATIONAL CITY LOGISTICS MEASURES: FREIGHT VEHICLE FLOW MODELLING". It includes logos for SMA and U, and a diagram of a freight vehicle flow model. At the bottom, it lists the student's name, the program details, and the supervisors.

O. M. BEKETOV NATIONAL UNIVERSITY OF URBAN ECONOMY IN KHARKIV
Transport Systems and Technologies Faculty
Transport Systems and Logistics Department

ASSESSING TACTICAL AND OPERATIONAL CITY LOGISTICS MEASURES: FREIGHT VEHICLE FLOW MODELLING

Completed: 2nd year student, of the group M-Per/Epane 2018-1 Anna Mykhaletska

Educational and scientific program Smart Transport and Logistics for Cities Specialty 275.01 «Transport Technology (by Automobile Transport)»

Supervisor: Associate Professor Marina GIMENOVA
Consultant: Professor Antonov Yuri (See Vergata University of Rome)



Students

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Students

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Student's academic performance
91 (from 100)

Number of employed **90 %**



Teachers

- ❑ Training and fruitful collaboration with EU scholars (Curriculum and Syllabi developed): mobility and distance
- ❑ Industrial internship at EU enterprises
- ❑ Improving skills and meeting new educational demand
- ❑ Joint Book published
- ❑ Collaboration after the project lifetime

Educational content

Scientific and Educational Master program

1 year 9 months

120 ECTS

1 innovative Curriculum

12 new and upgraded disciplines

The image shows a curriculum document in Ukrainian. At the top, it says "Навчальна програма" (Educational program) and "Детальний опис навчальної програми" (Detailed description of the educational program). Below this is a table with columns for "№", "Назва курсу" (Course name), "Тип курсу" (Course type), "Кредити" (Credits), and "Семестр" (Semester). The table lists several courses, including "Фундаментальні дисципліни" (Fundamental disciplines) and "Спеціалізаційні дисципліни" (Specialization disciplines). The total number of credits is 120.

The image shows a document in Ukrainian, likely a syllabus or program description. It features a table with columns for "№", "Назва дисципліни" (Discipline name), "Тип дисципліни" (Discipline type), "Кредити" (Credits), and "Семестр" (Semester). The table lists several disciplines, including "Фундаментальні дисципліни" (Fundamental disciplines) and "Спеціалізаційні дисципліни" (Specialization disciplines). The total number of credits is 120.



Teachers

- ❑ Training and fruitful collaboration with EU scholars (Curriculum and Syllabi developed): mobility and distance
- ❑ Industrial internship at EU enterprises
- ❑ Improving skills



Teachers

- ❑ Training and fruitful collaboration with EU scholars (Curriculum and Syllabi developed): mobility and distance
- ❑ Industrial internship at EU enterprises
- ❑ Improving skills and meeting new educational demand
- ❑ Collaboration after the project lifetime



Researchers

- ❑ Fruitful collaboration with EU scholars: mobility and distance – part of worldwide scientific communities
- ❑ Scientific publications, namely with EU scholar in high impact journals
- ❑ Participation in new scientific projects



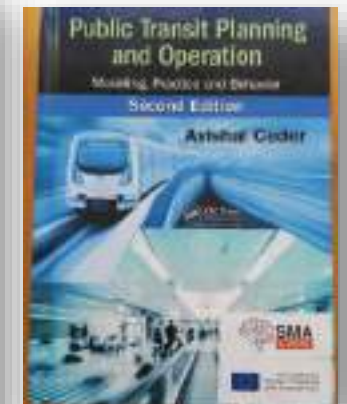
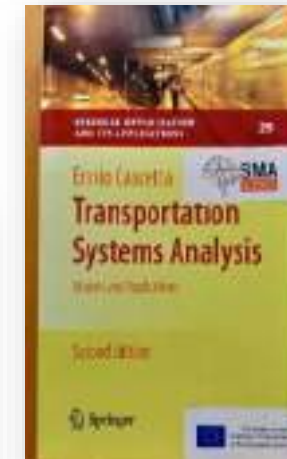
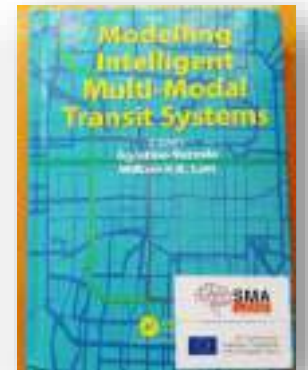
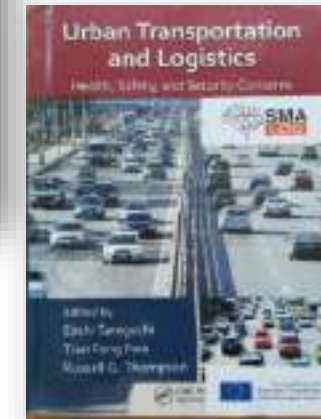
- 5 Conference proceedings
- 3 scientific papers
- 1 Application for Horizon 2020
- 1 Fulbright project (prof. Oleksandr Rossolov)
- Development of Sustainable Urban Mobility Plan in Kharkiv in the process till now



Laboratory

❑ Educational and research laboratory
“Smart Transport and Logistics for Cities”

- ❑ Hardware
- ❑ Software
- ❑ Books



Labour market

- ❑ Collaboration with local authorities and business
- ❑ Consulting with enterprises during Curriculum and Syllabi development
- ❑ Reviewing of educational content by industry experts
- ❑ Employment of graduates



• VIA SYSTEM PRO •
traffic organization design



Personal life

- ❑ Cultural exchange
- ❑ Family creating



SmaLog - one team!

Dear colleagues, dear friends, we wish you strength and patience. Together with you we believe in the best!
Maria Chibrikova and Dmytro Pecherennikov, NIU-EP

Fortitude, memory in the soul, calm in the head and smiles on the lips. From today we begin with you, dear friends. Welcome to our team!
Kateryna Kucharska and Myroslava NUC

NEVER leave your guests standing behind a level. There's always a place for the "newest" student!
Irina Tymoshenko, NIU-EP

Never miss your guests!
Dariusz BMM

Living the world without leaving home.
Yaroslav Denis, NTU

Let's overcome those customs, cultural barriers together, and get inspired by them! Our intercultural teams will be the knowledge, new skills and new hope!
Igoriya Strel, IPEU

My heart is in Italy!
Mykola Kuch, NIU-EP

Let's overcome those customs, cultural barriers together, and get inspired by them! Our intercultural teams will be the knowledge, new skills and new hope!
Igoriya Strel, IPEU

Health you, your family and your country. Looking forward to meeting you!
Olga Kurylyukova, NIU

Walk, never stop, there are destinations ahead!
I'll always stand on your side, yourself and your dogs goode.
Natalia Mironova, NIU-EP

Let's stay and study home!
Volodymyr Kovalyuk, NIU-EP

Everything possible and more with you!
Samiy deni zovni!
Oksana Hubchak, NIU



Our future and sustainability

- ❑ Master program in regularly teaching process – 4 enrolments of students + teaching material published
- ❑ Exploitation of new laboratory: education and research
- ❑ NUUE is participant of worldwide scientific and educational communities
- ❑ New projects of EU: KA1, Jean Monnet, Horizon etc.
- ❑ Agreements of collaboration with EU HEIs
- ❑ Quality Assurance System of educational process in operation
- ❑ Internationalisation strategy in operation



www.k-tsl.com

www.tsl.kname.edu.ua



