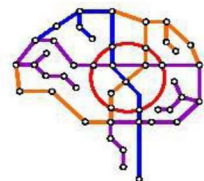




Co-funded by the
Erasmus+ Programme
of the European Union



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.



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

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

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

SMA LOG

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

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 (on 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 human impact on the safety and stability of urban logistics and assess the efficiency of transport systems in cities

DISTRIBUTION OF CONTENT BY GROUPS OF COMPONENTS AND TRAINING CYCLES

Training cycle	COMPULSORY PART (ECTS / %)	ELECTIVE PART (ECTS / %)
GENERAL TRAINING CYCLE	10 / 8,33	-
CYCLE OF PROFESSIONAL TRAINING	78 / 65	32 / 26,67
TOTAL	88 / 73,3	32 / 26,67

LIST OF THE EDUCATIONAL-SCIENTIFIC PROGRAM COMPONENTS

COMPULSORY PART	ELECTIVE PART
General training cycle <ul style="list-style-type: none">Scientific Research Methodology (3 ECTS, 34 work hours)Scientific and Business Foreign Language (4 ECTS, 34 work hours)Occupational Safety in the Field and Civil Protection (3 ECTS, 34 work hours)	Cycle of professional training <ul style="list-style-type: none">Smart Transport (5 ECTS, 51 work hours)Traffic Flows Management in the City Center (5 ECTS, 51 work hours)Human and Environmental Impacts, Safety and Sustainability (5 ECTS, 51 work hours)Transportation urban planning (5 ECTS, 51 work hours)Supply Chain Management (5 ECTS, 51 work hours)Logistics Systems Designing (5 ECTS, 51 work hours)Course work “Transportation urban planning” (2 ECTS)
Cycle of professional training <ul style="list-style-type: none">Smart Transport and Logistics for Cities (5 ECTS, 68 work hours)City Passenger Transport (4 ECTS, 31 work hours)Efficiency of Cities Transport Systems (5 ECTS, 68 work hours)Integrated Transport System in City Logistics (6 ECTS, 68 work hours)Traffic Control (5 ECTS, 31 work hours)Traffic Flows Simulating and Management (6 ECTS, 68 work hours)Freight Transportation Simulation (6 ECTS, 68 work hours)Passenger Transport Systems Simulation (5 ECTS, 68 work hours)Course project “Smart Transport and Logistics for Cities” (3 ECTS)Course project “Transport System Simulation” (3 ECTS)Specialised Pre-diploma Training (6 ECTS)Master Thesis (24 ECTS)	SCIENTIFIC PART <ul style="list-style-type: none">Scientific Research Methodology (2 ECTS)Traffic Flows Simulating and Management (6 ECTS)Freight Transportation Simulation (6 ECTS)Passenger Transport Systems Simulation (5 ECTS)Course project “Transport System Simulation” (3 ECTS)Master thesis (24 ECTS) <p><small>*This project has been funded with support from the European Commission. This publication (communication) reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.</small></p>

Requirements of SmaLog project

Requirements of the regulatory framework in higher education in Ukraine

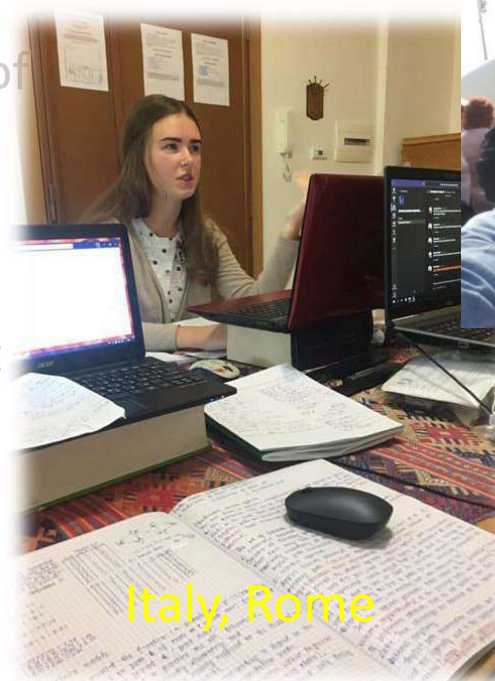
Experience, vision and opportunities of NUUE

CURRICULUM Master in Smart Transport and Logistics for Cities



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 of the theses (EU)
- ❑ Lectures of EU
- ❑ Up-to-date knowledge that correspond to

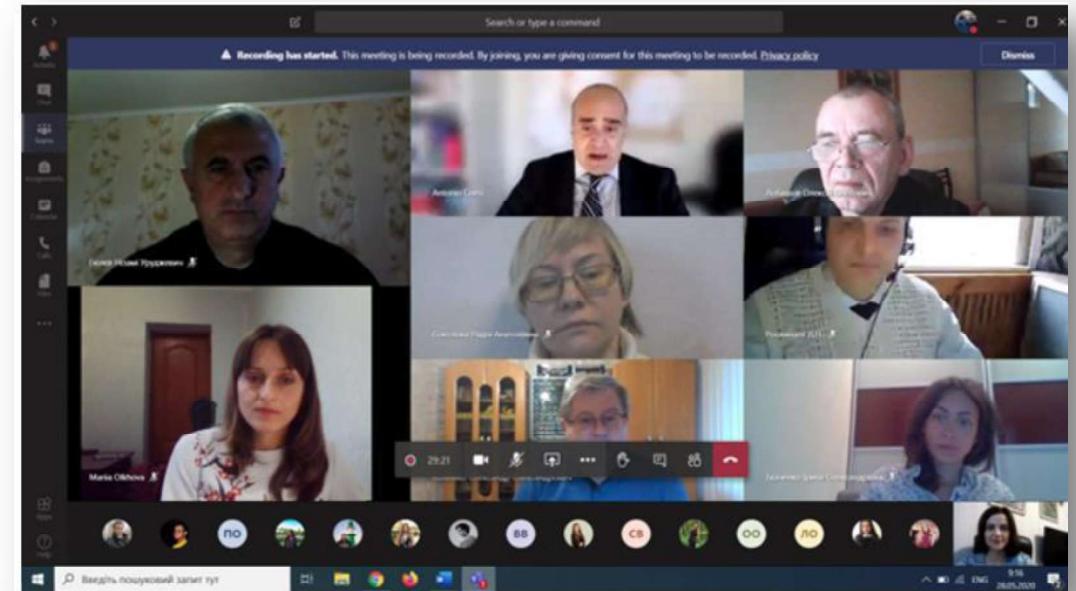


Students

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



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

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



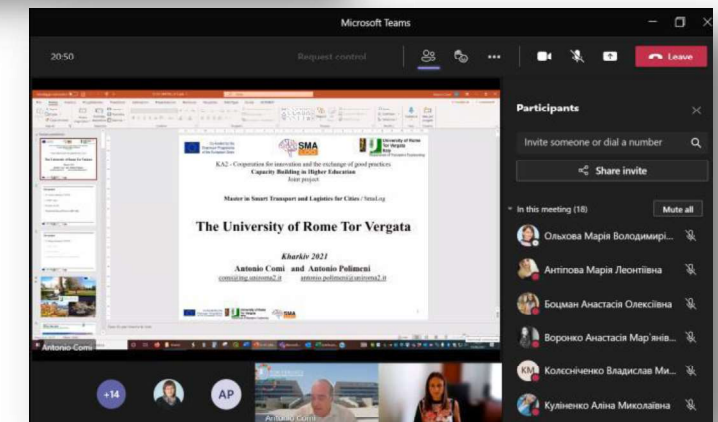
Completed: 2nd year student,
of the group М-РозТранс 2018-1
Anna Mykhalenko

Educational and scientific program
Smart Transport and Logistics for Cities
Specialty 275.03 «Transport Technology (by
Automobile Transport)»

Supervisor: Associate Professor *Mariia Olkhova*
Consultant: Professor *Antonio Comi*
(Tor Vergata University of Rome)

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)
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Students

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- ❑ Up-to-date knowledge and skills that correspond to labour maker

Student's academic performance
91 (from 100)

Number of employed **90 %**



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

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



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

Educational content

Scientific and Educational Master program

1 year 9 months

120 ECTS

1 innovative Curriculum

12 new and upgraded disciplines

Міністерство освіти і науки України
Харківський національний університет міського господарства імені О.М. Бекетова

Вченою радою ХНУМХ ім. О.М. Бекетова
Протокол від 2018 р. №
Голова Вченої ради

НАВЧАЛЬНИЙ ПЛАН
другий (магістерський)
(за спеціальністю)

Кваліфікація: магістр з транспортних технологій

галузь, знань: 27 Транспорт

спеціальність: 275 Транспортні технології (за видами)

Строк навчання: 1 рік 9 місяців

спеціалізація: 275.03 Транспортні технології на автомобільному транспорті

на основі: базисна

освітня програма: Розумний транспорт і логістика для міст

форма навчання: денна

I. ГРАФІК НАВЧАЛЬНОГО ПРОЦЕСУ

Курс	Вересень	Жовтень	Листопад	Грудень	Січень	Лютий	Березень	Квітень	Травень	Червень	Листопад	Серпень
I	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т
II	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т

ПОЯСНЕННЯ: Т – теоретичне навчання, С – семінари, К – курсові, П – практичні, МР – підготовка, виконання та захист магістерської роботи

II. ВВЕДЕННЯ ДАНИХ ПРО БЮДЖЕТ ЧАСУ, тижні

Курс	Теоретичне навчання	Семінари	Практика	Виконання магістерської роботи	Державна атестація	Канікули	Усього
V	34	6			12	82	
VI	17	2	4	14	2	39	
Разом:	51	8	14		14	91	
кредити	96	24				120	
години	2580	720				3600	

III. ПРАКТИКА

Назва практики	Семестр	Тижні	Кредити	Години
Переддипломна	4	4	6	180

IV. ДЕРЖАВНА АТЕСТАЦІЯ

Назва навчальної дисципліни	Форма державної атестації (магістерська робота)	Семестр	Тижні	Кредити
Дисципліни професійної підготовки	Магістерська робота	4	13	24

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
Харківський національний університет міського господарства імені О.М. Бекетова

ОСВІТНЬО-НАУКОВА ПРОГРАМА
«Розумний транспорт і логістика для міст»

рівень вищої освіти: Другий (магістерський)

ступінь вищої освіти: Магістр

за спеціальністю: 275 Транспортні технології (за видами)

спеціалізація: 275.03 Транспортні технології на автомобільному транспорті

галузь знань: 27 Транспорт

Вченою радою
Голова вченої ради
О.М. Бекетов
(протокол № 12 від 06.07.2018 р.)

Освітня програма входить в дію з 02.08.2018 р.
(наказ № 218-01 від 02.08.2018 р.)

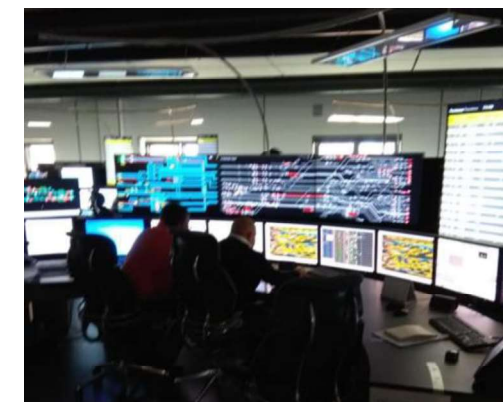
Харків
2018 р.

Teachers

❑ Training and fruitful collaboration with EU scholars (Curriculum and Syllabi developed): mobility and distance

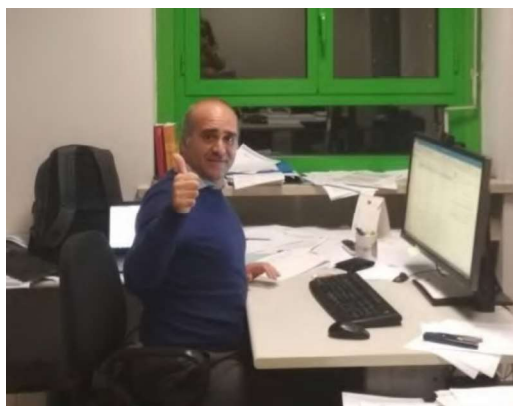
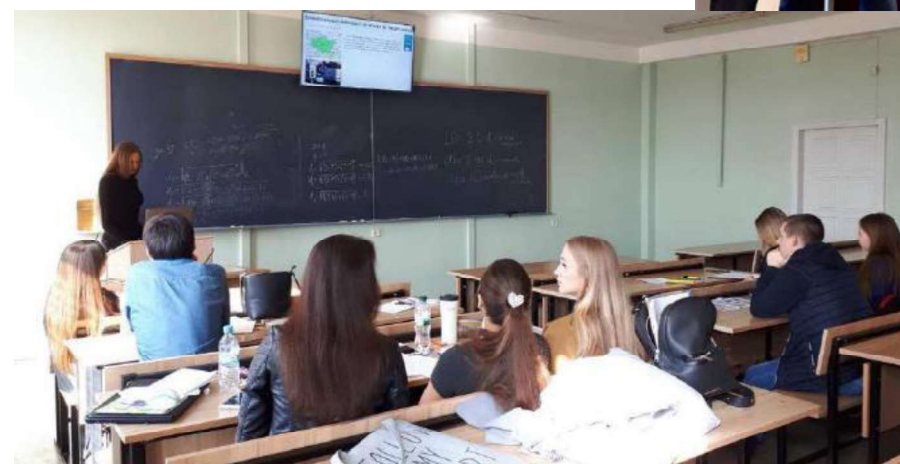
❑ Industrial internship at EU enterprises

❑ 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



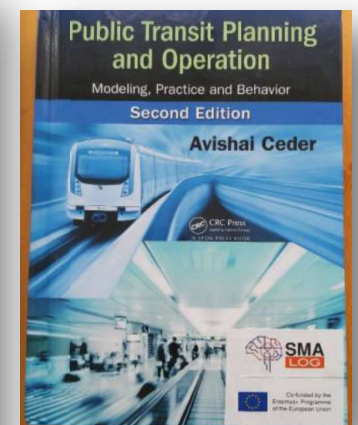
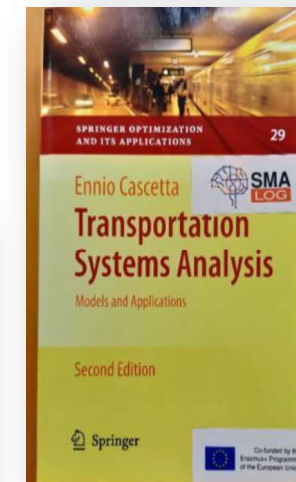
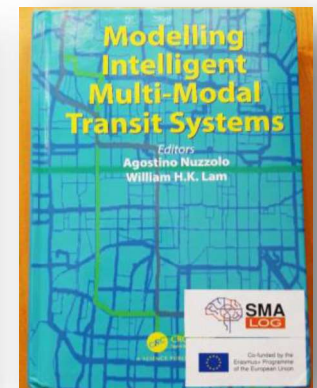
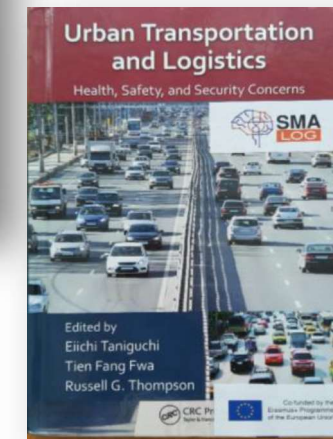
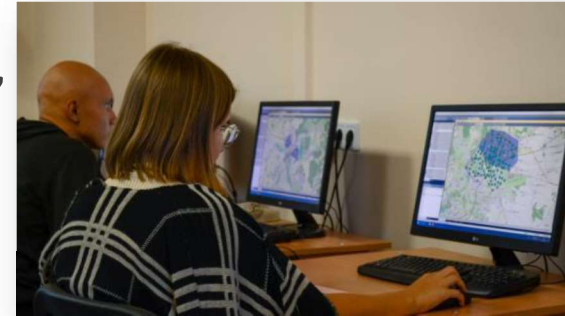
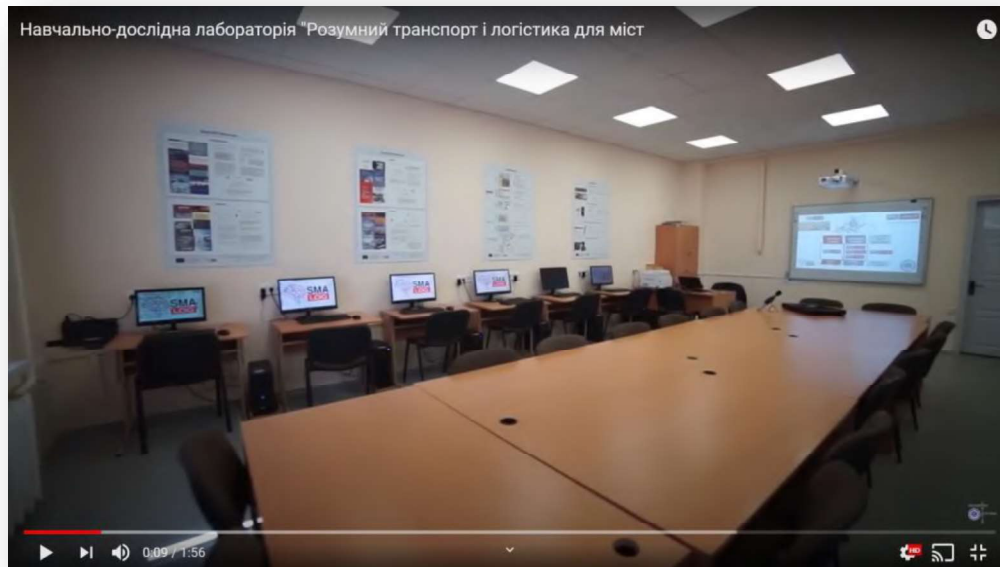
- 5 Conference proceedings
- 3 scientific papers
- 1 Application for Horizon 2020
- 1 Fulbright project (prof. Oleksandr Rossolov)
- Development of Sustainable Urban Mobility Plan in Kharkiv in the process till now



Laboratory

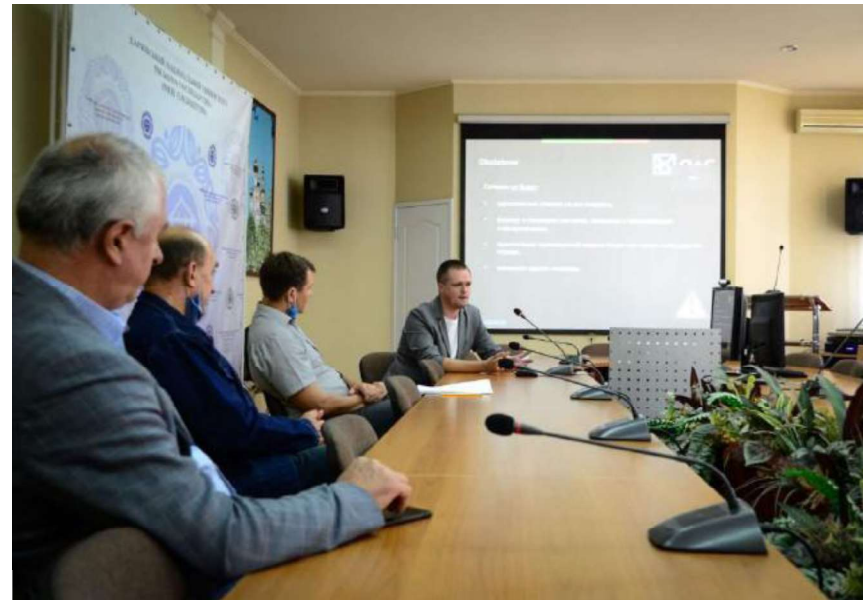
☐ Educational and research laboratory “Smart Transport and Logistics for Cities”

- ☐ 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



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

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



