

Modules Master level

New technologies

- Simulation models for production logistics
- Technology introduction in logistics-risks and opportunities
- Supply Chain Simulations
- Material handling- how technology can support

Holistic Understanding of Logistics

- Lean and green logistics concepts
- Sustainability models for logistics
- Supply Chain transparency and the role of interoperable systems
- Lean and optimization models
- Advanced strategic SCM
- Advanced Business logistics
- KPI and Logistics quality management
- SCOR model

Commercial Law

- Transport regulations
- Logistics regulations
- FIATA regulations



Project duration:

2018-04-01 to 2020-09-30

Budget and funding:

Total project budget €460.000

Interreg Central Baltic Funding €371.000



EUROPEAN UNION
European Regional
Development Fund



If you are interested in testing or for more information, please get in touch with us!

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UniLog

Developing Central Baltic University Level Professional Logistics Education



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Project Goals

- Updating/improving the university level professional logistics education.
- Equipping the future logistics labor force with the needed skills.
- Matching the current and future needs and requirement of the Central Baltic businesses and labor markets.

Project Summary

- Identifying the improvement needs in the competence and applied higher education.
- Creating joint study packages with updated/improved courses/modules.
- Piloting the created bachelor's and master's courses.
- Each course module is 1 ECTS, and combinable for different needs.
- Offering traditional on-site classes as well as digitized material, utilising different pedagogical approaches.

Course Structure

- Courses designed in a modular way, which ensures a smoother integration in existing programs.
- Modules are based on the outcome of a gap analysis of the industrial and logistics needs in the Central Baltic area.
- Covers different transport modes. Has a specific module on CB specific logistics.
- Covers topics like SCRM, ICT in logistics, standards and regulations.
- Pilots will start in Year 2 of the project at all four partner universities.

Industrial Competence Needs

- New technologies (Central Baltic wide)
- Generic skills (Central Baltic wide)
- Holistic approach (SE, FI, LV)
- Process optimisation / lean thinking (SE, FI, EE)
- Link to real working life / practical approach (FI, LV, EE)
- International / global relations, experience, approach (FI, LV, EE)
- Managerial skills (EE, FI)

Differences in market needs

- Sweden: Clear needs only related to new technology and sustainability
- Finland: Skills needs related to rail transport
- Latvia: Theoretical /substance skills in addition to practical ones, marine industry needs

Modules Bachelor Level

New Technologies

- Foundation of industry 4.0 and CPS in logistics
- Transportation Means and Technologies
- Sustainable and Intelligent Transport Systems
- Basics of Logistics Information and Communication Systems
- E – Services as logistics digitalisation
- Transport Management System

Holistic Understanding of Logistics

- Customer value creation in SC
- Logistics improvement methods and tools
- Future trends of SC
- E-commerce changing last mile
- Supply Chain Risk management
- Road freight transportation: CMR conv./ITE322
- Reverse Logistics
- Road freight transportation: Access to transportation market
- Challenges of Rail transport in Baltic Sea Region

Managerial Skills

- Lean management
- Enterprise Resource Planning
- Concepts of continuous process improvement