Course structure

Courses designed in a modular way, which ensures a smoother integration in existing programs.

It is 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.

The pilots showed that our material can be used for different student groups and at different levels – covering educational levels from VET, colleges, bachelor and master as well as for LLL purposes.

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



Key information

Project duration:

2018-04-01 to 2021-03-31

Costs and funding:

- Total project budget € 460.000
- Interreg Central Baltic Funding €371.000



European Regional Development Fund





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UniLog

Developing Baltic University Logistics Education – Online teaching material









Project Goal

The objective of the project is to update/ improve the university level professional logistics education, for equipping the future logistics labor force with the needed skills that match 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 (bachelor/ master) with updated/improved courses/modules.
- Piloting the created bachelor's and master's courses.
- Each course module is 1 ECTS, combinable for suiting different needs
- Offer traditional on-site classes as well as digitized material
- Uses different pedagogical approaches

Material for online teaching

- The project was executed during the pandemic. Therefore, a lot of the planned pilot activities could not take place as planned
- There was a need to provide more material both for self studies as well as for letting students experiment without needing a physical lab.
- We also expanded and changed a digital twin of the KTH logistics lab, so that the student can use this twin as a remote lab
- The corresponding curricula can be found in the master modules, except for the first one, which is to be found in the bachelor module descriptions.

Scripts

- Foundation of Industry 4.0 and CPS in logistics
- Material handling and technology support
- Supply Chain Transparency and the Role of interoperable systems
- Sustainable models in logistics
- Technology Introduction in Logistics- Risks and Opportunities

Additional material

This material is not developed as part of the project, but as a part of other projects. It is fits very well as addional learning material. **Virtual Lab Tour- Logistics lab** https://youtu.be/9Wmcxx4gDG4 This video shows the lab environment and explains the different components Virtual Lab Tour- Pedal Car https://youtu.be/HiudQQmKzQU This video shows the pedal car lab Video of physical and virtual components https://youtu.be/OGi7wvVZ4K0 This video show how the real processes is mapped in the digital twin. It helps to understand what we observe, what extra information we may get by using simple AR as well as how DT can help in analysing and supporting decision and operations. Virtual exploration of the lab – 3 D exploration https://my.matterport.com/show/? m=oRidDby6sVY

This digital shadows allow the user to explore different components and to get more information of each component.