



23 December 2020, Warsaw, Poland

POLITECHNIKA WARSZAWSKA
WYDZIAŁ TRANSPORTU
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Certificate of attendance

This is to certify that

Nataliia Chernova

from

Dnipro National University of Railway Transport named after Academician V. Lazaryan

attended on-line Master Classes

provided under the ERASMUS+ project *Crisis and Risks Engineering for Transport Services* (CRENG) on 16-20 November 2020 and 7-10 December 2020, organized by Warsaw University of Technology, Faculty of Transport

The following courses were carried out in the frame of Master Classes:

A new approach to transport systems design: anthropometry, user-centered design, universal design, transport accessibility	8 hours
Designing of supply chain	8 hours
Humanitarian logistics	8 hours
Risks identification in the operational statistics of failures of the transportation process regulations	6 hours
Basics of Python	3 hours
Optimization of the risks in transportation systems	8 hours
Simulation of transport systems in Any Logic	8 hours
Health, safety and environmental management systems	4 hours
Risk and crisis forecast, analysis and reduction methods and tools	4 hours
Soft Skills for engineers	3 hours

In total 60 hours (2 ECTS)

Associate Prof. Konrad Lewczuk
CRENG Project Manager

Prof. Marianna Jacyna
Coordinator of CRENG project

**Warsaw University
of Technology**

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