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Digital transformation of HEIs education process in Ukraine and Moldova for sustainable engagement with enterprises, DIGITRANS

101127683 — DIGITRANS — ERASMUS-EDU-2023-CBHE

WP2 DEVELOPMENT

Prepared by the NKUA team



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Partner	Modernization activities in the framework of DIGITRANS	Notes
CPNU	Development of 3 new courses in a BSc program and update of 3 existing courses: 2 in BSc programs and 1 in MSc program	
KhNAHU	Modernisation of 7 courses and laboratory practicums in one study program;	
	Development of a bachelor's degree Double Diploma program	In collaboration with RTU
LNTU	Development of 1 new study course in an MSc program; update of 5 existing courses in one study program;	
	Development and accreditation of a Double Diploma master study program.	In collaboration with UDJG
UTM	Development of 1 new study course and update of 3 existing courses in one study program;	
	Development and accreditation of a Double Diploma master study program.	In collaboration with RTU
USARB	Modernization of 7 courses in one study program	
USC	Modernization of 6 courses in one study program	



Targets to meet in 2024:

Milestone	Description	Due Date	Lead Beneficiary
MS1 Developing and translating to teaching language BCs and MCs level study programs and courses.	Innovative curriculum: new and modernized study programs corresponding to competence framework	30 Nov 2024	NKUA

and

Deliverable	Description	Due Date	Lead Beneficiary
D2.1	Innovative curriculum: new and modernized study programs corresponding to competence framework -Report	30 Nov 2024	NKUA / KhNAHU



NEXT STEPS – agreed deadlines

Task	Due date
Course Syllabi Preparation • English version • Local languages	15/09/24 15/11/24
Course Material Preparation • English version • Local languages	15/7/25 15/5/25

Repository for English version of courses

<https://drive.google.com/drive/folders/1F8jDwRIIdMIPB2uSjVUx-rEOlCEwBF0b4?usp=sharing>



CPNU	KhNAHU	LNTU	UTM	USARB	USC
Microcontroller Systems Programming	Electric vehicle infrastructure	Theory of operational properties of the car	Digital control systems	Automotive electrical and electronic equipment	Design of electric machines
Systems on Chip	Energy supply and energy saving systems	Road transport enterprises Part 1. Design	Static power converters	Automatic control engineering	Computer-aided design of products in the machine building industry
Design of Digital Devices	Electric drive theory (Part 1)	Road transport enterprises Part 2. Organization and management	Electrical and electronic equipment	Electromobiles	Computer-aided design of technological processes and CALS technologies
Electrical Circuit Design	Electric drive theory (Part 2)	Road transport enterprises Part 3. Quality of production processes	Electric vehicle Powertrain	Automation in production	Tools of ecological production
Digital Systems of Telecommunications	Electric machines and devices	Technical operation of cars		Autonomous vehicles	Planning and management of industrial enterprise (Production Management)
Digital electronics devices	Electronics and microcircuit engineering (Part 1)	Management of transport processes		Hybrid vehicles	Human resources management
	Electronics and microcircuit engineering (Part 2)			Engineering bionics	



As agreed during the meeting in Psachna, partner Universities will create, for each program that will be modernized within the project, a table indicating the specific items of their National Matrix of Competencies served by the program. Our colleagues from Cahul State University have adopted this format, which we consider appropriate, and we propose to be used by all partners.

Generic skills	Course units	Number of credits ECTS	Course Unit Code	Specific skills								
				1	2	3	4	5	6	7	8	9
1. Personal and professional development – awareness of the need for continuous training, efficient use of the resources and the learning techniques for personal and professional development;	Higher mathematics	6	F.01.O.001	+								
2.												

Legend: Specific skills:

- 1.
- 2.
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STUDY PROGRAMS DESCRIPTIONS & TABLES OF COMPLIANCE WITH THE NATIONAL COMPETENCIES FRAMEWORK	
PARTNER	UPLOADED
CPNU	NO
KhNAHU	YES
LNTU	YES
UTM	NO
USARB	YES
USC	YES