





Development of practically-oriented studentcentred education in the field of modelling of Cyber-Physical Systems – CybPhys

609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP - ERASMUS+ CBHE

MC and WS meeting December 17th 2021

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Agenda:

- 1) Methods of the feedback on courses testing and reporting
- 2) A new version of dissemination and exploitation plan.

Project progress

- Extraordinary Financial report submitted on November 4th is accepted!
 - EACEA has paid 2nd advance
 - Request for advance payment is proceeded to RTU Bookkeeping Department
- EACEA still have not confirmed neither budget, neither responsibilities of the partners, neither schedule of the travels.
- Today we will send by e-mail invitations to the:
 - Training School for students and January 17-28th
 - invitation for the MC meeting and WS January 27-28th
- A request for advances for the partners has been sent to Bookkeeping Department of RTU

Method of new curricula testing with feedback from teaching staff, students, students organizations and entrepreneurs (professional associations, enterprises, etc.) involved in student teaching and curricula enhancement

(covered 2.8 and D5.5 of the QAP)

The goal of the courses testing

- According to Log Frame Matrix (LFM) Partners reports with lists of the students studying in the modernized study programs
- Partners reports with a feedback from:
 - students by courses
 - academic/teacher staff involved in teaching of students by courses
 - students organizations
- The measurement of indicators according to the LFM are:
 - the number of validated / tested during one-year master-level courses
 - The number of students toughed
- Testing to be held twice: related an <u>Autumn of 2021</u> and <u>Spring 2022 semesters</u>
- Partners reports on curricular testing with feedback from teaching staff, students and experts from professional associations, enterprises and scientific research institutions involved in teaching of students, curricular modernization and reviewing.
- Testing reports: January 15th, June 15th?? Or January 30th and June 30th?

Training Evaluation Sheet for Students

No	Criterion	Strongly	Partially	Neutral	Partially	Strongly
	(Критерій)	disagree	disagree	assessment	agree	agree
1	All study program themes required to achieve the defined learning outcomes were					
	covered					
	Всі теми навчальної програми дозволяли досягти мети курсу, що вивчається					
2	The course was well-structured and the themes were explained in a comprehensible					
	manner					
	Курс був добре структурованим і теми були пояснені у доступній формі					
3	The logical structure of the lecture was maintained					
	Логічна структура лекцій витримана					
4	Audio-visual materials were efficiently used during the lecture					
	Ефективно використовувалися аудіо-візуальні матеріали під час лекцій					
5	Creative thinking was efficiently promoted					
	Ефективно розвивалося критичне мислення					
6	Practical application of theory was efficiently promoted					
	Ефективно розвивалося практичне застосування теорії					
7	During the class the amount of theoretical material and practical tasks was balanced					
	Під час занять кількість теоретичного матеріалу та практичних завдань було					
	збалансовано					
8	Recommended literature sources were accessible and helped in acquiring the course					
	materials					
	Рекомендовані літературні джерела були доступні та допомагали оволодінню					
	навчальними матеріалами					
9	The lecturer/professor's attitude to the students was positive and helpful					
	Ставлення лектора/професора до студентів було позитивним та доброзичливим.					
10	The time for the completing of the practical tasks was enough					
		1	1	1		

What did you like in the course?

Чим вам сподобався цей курс?

Outline 3 points you would like to take with you/have learnt in this class

Виділіть найбільш значущі з Вашого погляду знання, які Ви придбали на цих заняттях

Do you have any suggestions for further improvement of the course? (If so, please give details and if you would like to be contacted about this idea please include your email address)

Чи ϵ у вас якісь пропозиції щодо подальшого вдосконалення курсу? (Якщо так, то прохання уточнити, і якщо ви хочете, щоб з Вами зв'язалися з цього питання, будь ласка, вкажіть адресу своєї електронної пошти)

If you do not mind, please could you give us some additional more information about yourself

Gender: Male/Female/Prefer not to specify

Age: 16-21

22-30

31-40

41-50

51-60 61+

Status:

Home Student

EU Student

International Student

Consolidated for students

Report

on the Spring semester testing of courses and laboratory practices in the framework of the project «PHYSICS» program ERASMUS+ EU

Date of testing: 18.04-25.06.2018

How many questionnaire forms have been proceeded: 31

How many questionnaire forms were found valid: 31

	Dogwoo of course	Testing results				
Course title	Degree of course (bachelor, master)	Strongly	Partially	Neutral	Partially	Strongly
		disagree %	disagree %	assessment %	agree %	agree %
Nonlinear Optics	4-year course	1.6	0.4	9.1	22.7	66.1
Semiconducting devices (lab.	4-year course	0	6.5	11.7	39	41.6
practice)						
Integrated Environment for	4-year course	4.2	8.3	13.4	29.1	44.5
Engineering Computing (lab.						
practice)						

Statistics on the answers given on the course (in percentage).

Comments and conclusions for BSU students questioning about testing results by 1st and 2nd items with free answers in Annex 1 (feed-back testing sheets):

Question 1. Most master students noted that the lectures were interesting and relevant. Modern teaching methods were used: presentations, video. Some of them admitted friendly atmosphere during the lecture courses.

Question 2. We received a large amount of information on the subjects studied and mastered the skills to work with modern software for physical processes simulation as well. We also learned about nanomaterials and nanotechnologies.

Question 3. Most mater students noted the necessity for getting more audio and video materials to increase the efficiency of self-study.

Training Evaluation Sheet for teachers

Questionnaire for staff

Title of training course:	
Level of training course (Bachelor, Master, Course	
year)):	
Date:	
Name of Trainer(s):	
Room:	

Full number of students registered for the course				
Evaluation of average attendance of the lectures (%)				
Evaluation of average attendance of the classes, (%)	Lect		Pract	Lab
			-	-
The number of students who have ultimate control assessment (the	High	Aver	a Low	Failed
exam)	(9-10)	ge (6-8)	(4-5)	(<4)
The proportion of tasks (in %) of all included in the course, aimed at:				
pure application of knowledge	development of critical thinking, causal-development of new computertence, investigatory analysis, development of independent thinking, the ability to non-practical experience and skills standard approaches in solving problems and making decisions			
The proportion of students who have completed these tasks with the high	ghest rating (in %)			
pure application of knowledge	development of critical think	•	t of in	evelopment of new computertence, ndependent thinking, the ability to non-tandard approaches in solving problems nd making decisions

- 1. What is, how do you think, the importance of this course?
- 1. Point out a few basic things that you consider most important in mastering this course?
- 2.Do you have any suggestions for further improvement of the course? (If so, please give details and if you would like to be contacted about this idea please include your email address)

If you do not mind, please could you give us some additional information about yourself?

Status: assistant/ lecturer/ assistant professor/ professor

Teaching experience: just started/ 3-7years/ 7-15years/ 15-20years/ >20years/

_____ Signature

Title of training course: Ccm	puter s	imul	ation	,		
Title of training course: Ccm Level of training course (Bachelor, M.	laster, Course yea	r)):_ M	as ter		-	_
Date: 12. 01. 2018	1					•
Name of Trainer(s): Girg	el 55					
Doom: / = / ('						
Faculty: Physics and	//					
Full number of students registered for the course	27	4				
Evaluation of average attendance of the lectures (%)	80%					
Evaluation of average attendance of the classes, (%)	Lect		Pra	ict _		Lab
the classes, (7e)	70%		100	0%		-
The number of students with intermediate control assessment on	High (9-10)	Average (6-8)	,	Low (4-5)		Failed (< 4)
laboratory and practical exercises				(4-3)]	(~4)
	3	17		4		
The number of students who have	High	Average	;	Low	_	Failed
ultimate control assessment (the exam)	(8-10)	(6-8) 18	. [(4-5)		(< 4)
		_10		6		
			1			
The proportion of tasks (in %) of all i						
pure application of knowledge	development of causal-investigat		thinking, analysis,	developmen		of new independent
	development	of	practical			ty to non-standard
	experience and s	kills		approaches making dec		ving problems and
					10	
The proportion of students who have	completed these to	isks with	the highest		_	
	development of			developmen		of new
pure application of knowledge	causal-investigat		analysis,	computerte		independent
	development	of	practical	thinking, th	e abili	ty to non-standard
-	experience and s	kills		approaches making dec		ving problems and
100%	80°	10		73	50/	

- 1. What is, how do you think, the importance of this course?
- 2. Point out a few basic things that you consider most important in mastering this course?
- Do you have any suggestions for further improvement of the course? (If so, please give details and if you would like to be contacted about this idea please include your email address)

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~	
TO .	Signature

Testing of students organization representatives

- The same questionnaire as for students
- The similar consolidation reporting form

Report on new curricular testing with feedback from stakeholders

(Report 1 of KhNAHU of education year)

Deliverable No 2.8

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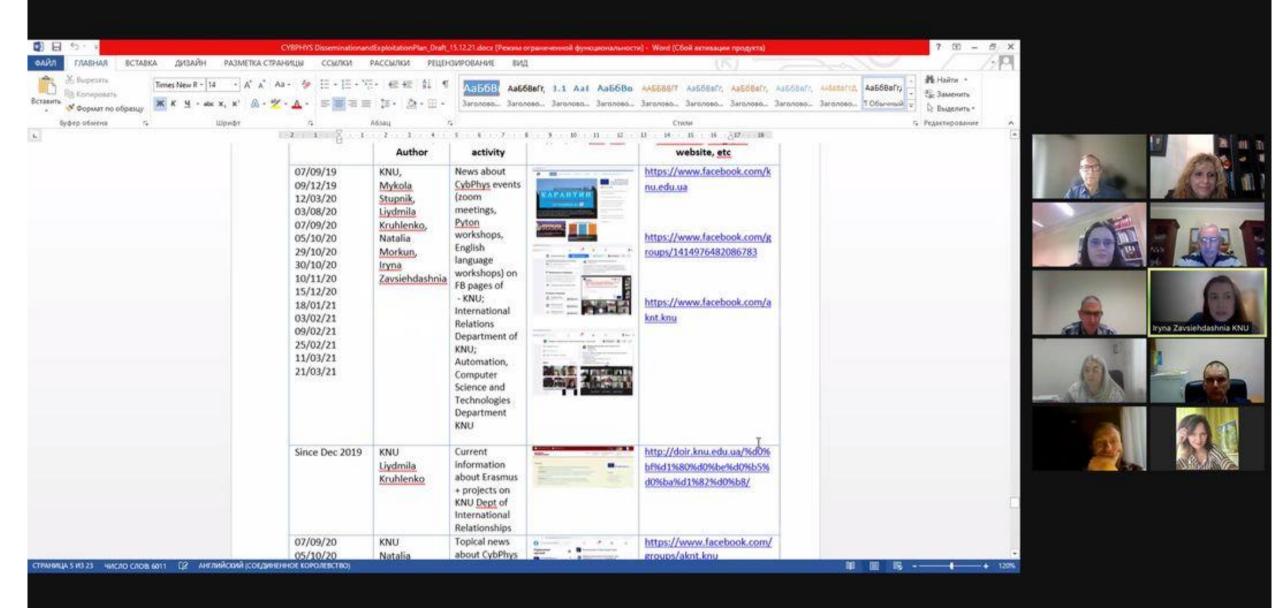
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Schedule for curricular evaluation

Two reports!

(D2.8)	Partner' Reports on new curricula testing with feedback from	15.01.22 ? /30.01.22
	teaching staff, students, student' organisations and entrepreneurs	14.06.22. ? 30.06.22
	(professional associations, enterprises, etc.) involved in student	New dates have been
	teaching and curricula enhancement (covered also by D5.5)	onfirmed

WP6: Dissemination of results. Dissemination and Exploitation plan. Progress



Other questions