



**ACCESSIBILITY AND HARMONIZATION OF HIGHER  
EDUCATION IN CENTRAL ASIA THROUGH CURRICULUM  
MODERNIZATION AND DEVELOPMENT**

**Project № 561553-EPP-1-2015-1-BG-EPPKA2-CBHE-JP**

**ERASMUS+ Programme**

**KA2 - Capacity-building in the Field of Higher Education 2015**

**Coordinated by Burgas Free University**

**ACADEMICA ASSESSMENT QUESTIONNAIRE**

**/LECTURERS/**



Co-funded by the  
Erasmus+ Programme  
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# INTRODUCTION

This questionnaire is part of the large three-year international project “Accessibility and harmonization of higher education in Central Asia through curriculum modernization and develop” /ACADEMICA/ co-funded by the European Commission under the programme Erasmus+, Key Activity 2 “Cooperation for innovation and exchange of good practices”, Centralized measure “Capacity building in the field of the higher education”.

The questionnaire is designed to assess the needs and perceptions of the University Lecturers in engineering sciences from the countries of Central Asia (Region 7) regarding usage of ICT in Education.

The information you provide in this questionnaire will be treated confidential. Your answers will only be reviewed by members of the research team directly involved in the project.

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Please answer the questions according to your experiences.

If there is a particular question which is not applicable to you or which you do not understand, please do not answer it and proceed to the next question.

***Thank you in advance!***

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## Needs and Perceptions of the University Lecturers Regarding Usage of ICT in Education

### ASSESSMENT QUESTIONNAIRE

#### OVERALL TEACHING DETAILS

What subjects do you teach?	Please specify the degree
Subject(s)	B- Bachelor; M – Master; D - Doctorate

*\* Tick the box that suits best your situation.*

1. Do you usually work with a computer?  Yes  No
2. Do you have some tablet, smartphone or e-reader?  Yes  No
3. Do you have Internet connection at home  Yes  No
4. Do you have Wi-Fi connection at work  Yes  No
5. Daily computer usage with teaching purposes:  
 Less than 1 hour       2-3 hours       more than 5 hours
6. Percentage of your computer usage time of electronic library of HEI dedicated to scientific research and professional activity?  
 0% - 25%       25% - 50%       50% - 75%       75% - 100%
7. Percentage of your internet usage time dedicated to your private purposes?  
 0% - 25%       25% - 50%       50% - 75%       75% - 100%
8. Percentage of teaching time using computers:
  - a. From 2000 to 2010  
 0% - 25%       25% - 50%       50% - 75%       75%-100%
  - b. From 2010 to 2015  
 0% - 25%       25% - 50%       50% - 75%       75%-100%
  - c. Since 2015  
 0% - 25%       25% - 50%       50% - 75%       75%-100%

**9. Percentage of teaching time or preparing teaching material using internet**

**a. From 2000 to 2010**

0% - 25%     25% - 50%     50% - 75%     75%-100%

**b. From 2010 to 2015**

0% - 25%     25% - 50%     50% - 75%     75%-100%

**c. Since 2015**

0% - 25%     25% - 50%     50% - 75%     75%-100%

**10. Do you consider e-learning as an appropriate method for the improvement of your professional skills and competences?**

Agree     Neutral     Disagree

**11. Do you consider that students should learn about cyber security while training to improve their future professional skills?**

Agree     Neutral     Disagree

**12. Which of the following e-tools are you familiar with and to which extent? Tick the box that suits best your situation.**

	I have heard but never used it	I can manage with help	I can use it
Chat			
Wiki			
YouTube			
Blog			
Forum			
Google search engine or similar			
Cloud collaboration services (like google documents)			
Learning platform			
Cloud storing services			
Other (specify):			

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**13. Have you looked for learning materials to be used in your class from internet?**

Yes     No

Please specify in what domains:

Science     Technology     Engineering     Mathematics     Languages     Business

Others: .....

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.....

**14. What is the level of your confidence in the usage of the following online tools?**

Online Tool	High	Medium	Low
Virtual Learning Environment			
Presentations tools like: prezi, ppt, keynote			
Databases like: Mendeley Google Scholar Thomson Reuters Scopus Others			
Creating online tests			
Web Browsers			
Search engines			
multimedia			
e-tutorials			
blog			
Chat			
Forum			
Electronic resources: books, papers, etc.			
Instructional video: YouTube, Vimeo			
Social Media Network: Facebook, Twitter, VK, Odnoklassniki, My World, Instagram			
Mailing lists			
General applications like word processing, excel, etc.			
Computer Aided Instruction Software (interactive whiteboards / e-classes, simulators, etc.)			

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**15. How much freedom do you have to experiment methodologically within the classroom?**

- I am free to experiment
- I am free to experiment but I have a lot of material to cover
- I need informal permission by the head of department
- I need official permission
- I cannot do any changes

### 16. Support Tools and Materials for your ICT classes

Instructional Tools and Materials	Very often	Often	Sometimes	Never
Board				
Printed Materials (journals, books, worksheets etc.)				
Data Projector (beamer)				
Television/Video				
Tablet / smartphone				
Computer – Projector System				
Internet/Web Environment				

### 17. How often do you do the following activities with teaching purposes

Factors Encourage Technology Usage	Important	Neutral	Not Important
Browse/search the internet to collect information to prepare lessons			
Browse or search the internet to collect learning materials or resources to be used by students during lessons			
Use applications to prepare presentations for lessons			
Create your own digital learning materials for students			
Prepare exercises and tasks for students			
Post homework for students through some educational platform			
Evaluate digital learning resources in the subject you teach			
Download/upload/browse material from the university learning platform			
Look for online examples of professional development opportunities			
Use ICT to provide feedback and/or assess students' learning			

**18. I don't use ICT (computer, web, e-learning) as much as other resources (books, overhead, projectors, etc.) for instructional purposes**

Agree
  Neutral
  Disagree

**19. Learning environment. Please answer by ticking where appropriate**

	A LOT	SOME-TIMES	NONE
I follow magistral classes, i.e. I present, demonstrate and explain lessons to the whole class			
I support and explain doubts to individual students			
Students work alone at their own pace			
Students work in groups			
Students give presentations to the whole class			
Students take tests and assessments			
Students are engaged in enquiry-based activities			
Students discuss ideas with other students and the teacher			
Students reflect on their learning			
Students participate in assessing their work			
I think that using technology makes it easier to reach instructional resources			
I do follow lab classes and lab sessions are evaluated just through lab sessions performance			
I do follow lab classes and there is individual lab exam/test			

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**20. Barriers to ICT Usage**

Barriers	Agree	Neutral	Disagree
Lack of time to prepare ICT based materials			
Lack of adequate faculty staff skills			
Problems about accessibility to existing hardware (computer, overhead projector etc.)			
Inefficient number of media (printer, scanner etc.) for effective use of computers			
Shortage of computers used by teachers			
Problems about accessibility to existing learning platform			

Barriers	Agree	Neutral	Disagree
Poor technical and physical infrastructure of learning environments			
Inadequacy of computers used by learners			
Nor or unclear benefit to use ICT for teaching			
Inefficiency of guidance and support by administration			
Insufficiency of financial resources for technology integration			
Inefficiency of instructional software/electronic open educational resources developed in national language			
Improper teaching methods for technology usage and lack of relevant models for using ICT in teaching			
Lack of interest of lecturers in technology usage			
Deficiency in professional development opportunities for gaining knowledge and skill			
Deficient support services for material development/technology usage			
Inefficiency of institutions network connection			

**PERSONAL DETAILS**

*(These details are required for communication purposes only and will not be disclosed)*

Name:					
Gender: <input type="checkbox"/> F <input type="checkbox"/> M		Age:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			under 25	25-35	35-45
				45-55	over 55
e-mail address					
Phone (optional)					

**ORGANISATION DETAILS**

University/Organization name					
Status of the organization	Public		Private		Other
Country					

**STAFF FACULTY LEVEL:**

Tenure:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tenure Track:	<input type="checkbox"/> Yes <input type="checkbox"/> No

Please specify your Faculty Level:

- Full Prof.  
  Associate Prof.  
  Assistant Prof.  
  Lecturer  
  Instructor  
 Other: Specify.....