Erasmus+ Capacity Building in Higher Education 598243-EPP-1-2018-1-SE-EPPKA2-CBHE-JP

Innovative Digital Skills &Teaching Methods 4 Effective Health Education in Lebanon & Syria

DIGIHEALTH

Objective: This document is the updating questionnaires about the current digital skills, Teaching and Learning and their impact and available and required ICT-based teaching tools.

This document has been prepared by the AIU team.

Survey Name	Content	URL
Teacher Survey	It has three sections: 1. General and Demographic Information 2. Pedagogical Approaches & Teaching Styles 3. Technology, E-learning & Social Media	TS
Student Survey	It has three sections: 1. General and Demographic Information 2. Current Teaching Approaches and Student Engagement 3. Use of Technology and Support Student Learning	SS

DIGIHEALTH Questionnaire
Teaching Staff Professional Development Needs Assessment

Dear Faculty Member,

You are kindly invited to participate in this online questionnaire, which is needed for our project, entitled "**Innovative Digital skills & teaching methods 4 effective health education in Lebanon & Syria/DIGIHEALTH** ". This project will help improve the quality of health education at your institution with cooperation of EU-experience, through integrating technological tools consistent with pedagogical best practices for an active learning approach.

The purpose of the questionnaire is to identify your professional development needs in terms of pedagogical approaches and teaching styles, digital competencies needed by health educators, as well as technology-enhanced approaches for teaching/learning.

We would like to reassure you that responses will be completely anonymous and confidential, and cannot be traced back to the respondent; only summaries of responses will be reported. As such, your frank and transparent answers ensure a successful implementation of the project.

If you have any further queries, please do not hesitate to contact us at:
DigiHealth.Education@gmail.com.

Thank you in advance for your participation.

Sincerely, **DIGIHEALTH** Team
Erasmus+ Program

Erasmus+ DIGIHEALTH project number 598243-EPP-1-2018-1- SE-EPPKA2-CBHE-JP

Section 1: General and Demographic Information
1.1 Please select your University: *
- o   Lebanese University
- o   Beirut Arab University
- o   Lebanese International University
- o   Modern University for Business and Science
- o   Damascus University

- o Arab International University
- o University of Hama

1.2 Please select your age group from the following: *
- o Less than 30 years
- o 30-39 years
- o 40-49 years
- o 50-59 years
- o More than 60 years

1.3 Please select your gender: *
- o Male
- o Female

1.4 In which faculty (ies) do you teach? * (Please select all that apply)

☐ Faculty of Medicine
☐ Faculty of Dentistry
☐ Faculty of Pharmacy
☐ Faculty of Health Science
☐ Others; please specify

1.5 What is your academic rank? *
- o Instructor
- o Lecturer
- o Assistant Professor
- o Associate Professor
- o Professor
- o Clinical instructor
- o Clinical assistant Professor
- o Clinical associate Professor
- o Clinical professor
- o Other rank; please specify

1.6 How many years of teaching experience do you have? *
- o Less than 5 years
- o 5-9 years
- o 10-14 years
- o 15-19 years
- o 20-24 years
- o More than 25 years

1.7 What is, in general, the average class size you teach? *
- o Less than 25 students
- o 26-40 students
- o 40-49 students

○ More than 50 students

Section 2: Pedagogical Approaches & Teaching Styles

2.1 Please select the current pedagogical approaches and teaching styles that you use from the list below: *(Please select all that apply)

☐ Traditional lecturing
☐ Seminars
☐ Laboratory work
☐ Workshops
☐ Fieldworks
☐ Problem-based learning
☐ Case-based teaching
☐ Game-simulation based learning
☐ Flipped classroom (Students are assigned the "homework" of watching video lectures and then class time is devoted to discussion and exploration of the subject)
☐ Active learning (Pedagogical approach that uses activities designed to actively engage students with concepts, instructor and each other)
☐ Blended teaching (Pedagogical approach that combines online educational materials and opportunities for interaction online with traditional lecturing)
☐ Team-based learning
☐ Concept mapping
☐ Others (Please specify)

2.2 Please rate the effectiveness of the teaching methods and learning styles listed below for their effectiveness in enhancing student learning: *

1. Absolutely not effective   2. Not effective   3. Effective   4. Absolutely effective

1. Teachers transmit knowledge through face-to-face presentations to achieve a desired learning outcome.
2. Teachers transmit knowledge through text presentations (PowerPoint) to achieve a desired learning outcome.
3. Teachers transmit knowledge through multimedia presentations to achieve a desired learning outcome.
4. Teachers guide students by asking questions to co-construct knowledge with their students.
5. Students, at various performance levels, work together in small groups and the teachers are facilitators of their intellectual experiences to achieve a common goal.
6. Students learn at their own time and use classes to interact such as by asking questions, discussing, receiving feedback, and working in groups.

2.3 Rate the extent to which you agree with the following statements *
1. Strongly Disagree   2. Disagree   3. Do Not Know   4. Agree   5. Strongly Agree

1. My priority as a teacher is to facilitate students' learning rather than to convey knowledge to students.

2. When students discuss topics with teacher and peers via internet, they will learn and understand better than the discussion during class hours.
3. When students repeat the material, text, and lectures at home they will learn and understand better.

2.4 Please rank the following training and activities in order of importance: where 1 indicates the highest importance, 2 by the second choice, and so on. : *

☐ Designing a syllabus
☐ Writing course objectives and learning outcomes
☐ Applying interactive instructional methods
☐ Effective use of ICT in teaching and learning
☐ Course design in terms of pedagogical approach
☐ Developing e-learning courses
☐ Developing a tutoring service
☐ Developing assessment methods

2.5 How often does your university conduct training to enhance teaching?
   o Several times during a semester
   o Once each semester
   o Once during each academic year
   o Less than once per year
   o Not conducted

2.6 Does your university offer orientation sessions or workshops for the new faculty members?

   o Yes
   o No
   o I do not know

2.7 Please rate your level of need for training in the teaching styles listed below: *

   1. Absolutely needed   2. Needed   4. Not needed   4. Absolutely not needed

1. Problem based learning
2. Case based teaching
3. Game-simulation based learning
4. Flipped classroom
5. Active learning
6. E-Learning/Web- or multimedia enhanced teaching
7. Team Learning
8. Blended teaching

2.8 Please, rate your level of need for training in the teaching activities listed below: *

   1. Absolutely needed   2. Needed   3. Not needed   4. Absolutely not needed

1. Designing a syllabus
2. Writing course objectives and learning outcomes
3. Supporting in preparation of teaching materials
4. Effective use of ICT in teaching and learning
5. Course design in terms of pedagogical approach
6. Developing e-learning courses
7. Developing a tutoring service
8. Constructing exam questions and assessing students' knowledge

Section 3: Technology, E-learning & Social Media

3.1 Please select the current e-tools in teaching process that are used by you in the class from the list below: *(Please select all that apply)

☐ Moodle (Moodle is a learning platform designed to create personalised learning environments)

☐ Blackboard (Web-based platform for the digital aspects of courses of study, usually within educational institutions

☐ Social media (Facebook, Twitter, WhatsApp)

☐ Mobile devices

☐ Interactive whiteboard (large and interactive display that is connected to a computer and is controlled by pen or fingers)

☐ Blogs

☐I do not use any e-tools

☐ Others (Please specify)

3.2 Please rate the technology- enhanced approaches below which in your opinion would enable students to learn effectively: *

1. Absolutely not effective   2. Not effective   3. Effective   4. Absolutely effective

1. Teacher uses digital educational resources to improve student learning effectiveness.
2. Teacher customizes digital educational resources to enhance student learning effectiveness.
3. Teacher creates new digital educational resources to support educational objectives for better learning.
4. Teacher uses digital technologies and services to enhance collaboration and collaborative knowledge creation.

3.3   Please select the current digital resource type you have produced for students to use from the list below: * (Please select all that apply)

☐   Online quiz
☐   PowerPoint Presentations

- ☐ Video
- ☐ Voice-over slides
- ☐ Image or animation
- ☐ Web page or multimedia object
- ☐ Simulation, app or game

3.4 Rate the extent to which you agree with the following statements *

      1. Strongly Disagree   2. Disagree   3. Neutral   4. Agree   5. Strongly agree

1. The university provides all required hardware facilities for using Internet technologies in teaching.
2. The university provides all required software access for using Internet technologies in teaching.
3. I believe that integrating and employing ICT (information and communications technology) in education will be an effective teaching method for health education.
4. Digital practice is not a priority for health education.
5. ICT tools are positively related to the learning process.
6. I plan to teach a course utilizing best practices in ICT in health education in the coming year.
7. I do not know enough about ICT tools to be comfortable utilizing them.

3.5 Please rank the following training and workshops/activities in order of importance: where 1 indicates the highest importance, 2 by the second choice, and so on: *

☐ Awareness about ICT tools to utilize them
☐ Creation of teacher's own apps or games to support educational objectives
☐ Creation of video stories for educational purposes
☐ Creation of interactive digital learning activities (interactive worksheets, online assessments)
☐ Integration of animations, links, multimedia or interactive elements upon creating digital resources such as presentations
☐ Contribution to a live wiki or blog

3.6 Have you attended ICT training sessions?

- o Yes
- o No

3.7- If the answer "yes" please specify type

     ……
     ……

3.8 Please rate your level of need for training in the technology-enhanced approaches listed below *:

      1. Absolutely needed   2. Needed   3. Not needed 4. Absolutely not needed

1. Learning management systems (e.g. Moodle): (Moodle is a learning platform designed to create personalised learning environments).
2. Blackboard (Web-based platform for the digital aspects of courses of study, usually within educational institutions
3. Web 2.0 technologies (It provides a means for users to easily participate in the creation of new knowledge rather than consume pre-existing knowledge).
4. Blended learning (Combining online learning materials, online interaction opportunities, and face-to-face learning).

3.9 Please rate your level of need for training in the digital skills and competencies listed below: *

   1. Absolutely needed   2. Needed   3. Not needed   4. Absolutely not needed

1. Creation of digital presentations for instructional purposes
2. Creation of video stories for educational purposes
3. Creation and editing of digital audio
4. Use of social bookmarking to share resources with and between learners
5. Exploitation of digital images for classroom use
6. Use of blogs and wikis to create online platforms for students
7. Use of file sharing tools to share docs and files with students online
8. Use of social networking sites to connect with colleagues and grow professionally
9. Use of digital assessment tools to create quizzes
10. Compiling a digital e-portfolio for students' own development

Section Two

Dear Student,

You are kindly invited to participate in this online questionnaire, which is needed for our project, entitled "**Innovative Digital skills & teaching methods 4 effective health education in Lebanon & Syria/DIGIHEALTH** ". This project will help improve the quality of health education at your institution with cooperation of EU-experience, through integrating technological tools consistent with pedagogical best practices for an active learning approach.

The purpose of the questionnaire is to identify your learning needs in terms of pedagogical approaches and styles, as well as instructional technologies to be used to effectively support your learning process.

We would like to reassure you that responses will be completely anonymous and confidential, and cannot be traced back to the respondent; only summaries of responses will be reported. As such, your frank and transparent answers ensure a successful implementation of the project.

If you have any further queries, please do not hesitate to contact us at:
DigiHealth.Education@gmail.com.

Thank you in advance for your participation.

Sincerely, **DIGIHEALTH** Team
Erasmus+ Program

Erasmus+ DIGIHEALTH project number 598243-EPP-1-2018-1- SE-EPPKA2-CBHE-JP

Section 1: General and Demographic Information
1.1 Please select your University: *
- Lebanese University
- Beirut Arab University
- Lebanese International University
- Modern University for Business and Science
- Damascus University
- Arab International University
- University of Hama

.
1.2 Please select your class standing from the following*
- Bachelor student (4nd and above)
- Bachelor student (2nd and 3nd)
- Master student

1.3 Please select your gender: *
- Male
- Female

1.4 Which Faculty/School do you study in? *
- Medicine
- Dentistry
- Pharmacy

o   Health Sciences

1.5 Which language do you prefer when studying?*
   o   Arabic
   o   English
   o   French

Section 2: Current Teaching Approaches and Student Engagement
(Some of the questions are adapted from the US National Survey of Student Engagement
(*nsse.indiana.edu*))

2.1 Considering the teaching approaches listed below, please answer whether any of them are
currently used or not by lecturers in the classroom:
*(Please check all that apply)
                       1.   Yes   2. No

   ☐ Traditional lecturing
   ☐ Seminars
   ☐ Laboratory work
   ☐ Workshops
   ☐ Fieldworks
   ☐ Problem-based learning (It is a student-centered pedagogy in which students *learn* about a
   subject through the experience of solving an open-ended *problem* found in trigger material).
   ☐ Case-based teaching (It enables students to work typically in groups on case studies, stories
   involving one or more characters and/or scenarios).
   ☐ Game-simulation based learning: (It refers to a series of instructional designs that use elements
   from simulation and gaming for interactive learning).
   ☐ Team-based learning (It is a structured form of small-group learning that emphasizes student
   preparation out of class and application of knowledge in class)
   ☐ Concept mapping (It is a tool which allows students to freely introduce and arrange concepts in
   chains, spokes or networks)
   ☐ Flipped classroom (learning at your own time and using classes to interact, like asking
   questions,   discussing, receiving feedback and working in groups)
   ☐ Active learning (Pedagogical approach that uses activities designed to actively engage students
   with concepts, instructor and each other)
   ☐ Blended teaching (Pedagogical approach that combines face to face classes and online learning
   methods)

2.2 Rate the extent to which you agree that **this teaching method (it will be according to the answer
of Q2.1 by using skip logic in Google forms)** currently used by your instructors have stimulated the
cognitive abilities listed below?*

               1. Strongly Disagree   2. Disagree   3. Agree   4. Strongly Agree

     1.   Memorizing facts and ideas so you can repeat them in almost the same form.

2. Applying facts and ideas to practical problems or in new situations.
3. Analysing the basic components of an idea, practice or theory such as examining a specific case or situation in depth and considering its elements.
4. Evaluating a point of view, decision, or information source.
5. Thinking critically and analytically

2.3 How often have you been participating in any of the following forms of peer learning?

1. Never   2. Sometimes   3. Often   4. Very Often

1. Asked another student to help you understand course material
2. Explained course material to one or more students
3. Prepared for exams by discussing or working through course material with other students
4. Worked with other students on course projects or assignments

2.4 In your opinion, rate the extent to which you agree that health education are faced by the following challenges listed below nowadays?

1. Strongly Disagree   2. Disagree   3. Agree   4. Strongly Agree

1. Large class/team size
2. Time constraints
3. Lack of media use and digital technology
4. Lack of enough simulation experiences
5. Poor access to databases/scientific journals
6. Too much of information
7. Exam styles

Section 3: Use of Technology and Support Student Learning

3.1 Please rank the teaching styles listed below for their effectiveness in enhancing your understanding from 1 to 6: 1 indicates the highest importance while 6 indicates the lowest importance. *

1. Lecturers ask thought-provoking questions
2. Lecturers use Internet-technologies for teaching
3. Lecturers effectively direct and stimulate discussions
4. Lecturers use Power Point presentations.
5. Lecturers use multimedia presentations.
6. Lecturers use video stories for educational purposes

3.2 Please rate the extent to which you agree that the following statements would enable you to learn effectively *

                  1. Strongly Disagree   2. Disagree   3. Agree   4. Strongly agree

1. Students learn better if they discuss topics during the class hours
2. Students learn and understand better if they discuss topic with their fellow students
3. Students learn better if they repeat the material, text and lectures at home

3.3 Please rank the following learning styles that would enhance your learning experience in order of importance from 1 to 6: 1 indicates the highest importance while 6 indicates the lowest importance. : *

1. Studying the materials which are given by your teachers
2. Doing Internships/field training
3. Doing experiments in a lab
4. Listening to audio recorded lectures or podcasts
5. Watching videos related to course content
6. Attending lectures & taking notes

3.4 Please rank the following **e-learning** activities that would enhance your learning in order of importance: 1 indicates the highest importance while 5 indicates the lowest importance. : *

1. Engaging in online discussion
2. Searching for educational materials on internet
3. Following open courseware provided by your university
4. Collaborating virtually with other students from your university
5. Watching recorded lectures or presentations given by your teachers

3.5 How often have you been participating in the following e-learning activities?

              1.   Always   2. Very often 3. Sometimes 4. Rarely 5. Never.

1. Following open courseware provided by other universities
2. Watching recorded lectures or presentations given by experts outside your university
3. Working virtually with students from other universities

3.6 Please rate the learning materials listed below which in your opinion would support your learning best from "Absolutely not effective" to" Absolutely effective": *

   2. Absolutely not effective   2. Not effective   3. Effective   4. Absolutely effective

1. Text books

2. E-books
3. Multimedia materials (animation, videos, stories)
4. Presentations/handouts
5. Video presentations
6. Video lectures
7. Audio/Podcasts
8. Free online resources
9. Instructor recorded videos