

PRINTeL Newsletter N6

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TECHNOLOGY-ENHANCED ACTIVE LEARNING CLASSROOMS AND LECTURE CAPTURE STUDIOS AT PC HEIS

One of the major results of the project is the establishment of technology-enhanced Active Learning Classrooms (ALC) and Lecture Capture/Recording Studios (LCS) in PC universities. The equipment of the classrooms contributes to the active implementation of innovative methods in the educational process at the universities.

By the work plan of the project, the participating universities have been funded to create of total 18 ALC and 9 LCS:

Country	University	ALC	LCS
Armenia	Yerevan State University	3	1
	National Polytechnic University of Armenia	2	1
	Vanadzor State University after H. Tumanyan	1	1
Belarus	Belarusian State University	3	1
	Brest State Technical University	2	1
	Yanka Kupala State University of Grodno	1	1
Georgia	Ilia State University	3	1
	Georgian Technical University	2	1
	Telavi's State University	1	1
	Total	18	9





Yerevan State University

As part of the PRINTeL project funding, 3 ALC (classroom 603 in the main building, and classrooms 335 and 336 in the Abovyan building), an LCS (room 603/1 in the main building), and a server for the PRINTeL website and VATL portal were equipped at Yerevan State University. These classrooms are designed to fit 30 people each.



Lecture Capture/Recording Studio

In the Lecture Capture/Recording Studio, specialized equipment has been installed: auto-tracking PTZ video camera, Ultra HD USB Web camera for video conferencing, recording & streaming, HD presentation recorder and streamer, laptop, lighting kit for video & photo studios, audio studio kit with microphone, audio interface & shock mount, over-ear professional studio headphone, and studio soundproofing acoustic panels. This equipment is actively used by teachers to create professional educational content.



Classroom 603

The classrooms are equipped with interactive flat panels, desktop computers, portable FlexArm document cameras, professional PTZ USB video cameras, digital wireless audio systems for presentations & lectures, and interactive classroom response system kits.



Classroom 635



National Polytechnic University of Armenia

As part of the PRINTeL project funding, 1 Lecture Capture/Recording Studio and 2 Active Learning Classrooms were equipped at the National Polytechnic University of Armenia (classrooms 5105, 5107, 5111). The classrooms are filled with high-tech and modern technology and designed to fit an average of 30 people.



Classroom 5111

Classes are intensively conducted among students of various courses within the framework of the professional development of teachers. The equipment is also used for recording and editing video lectures posted on the local portal of the university's virtual academy.



Classroom 5107

The classrooms are equipped with interactive flat panels, a portable Flexarm document camera, a digital wireless audio system for presentations & lectures, a laptop with software, etc.



Classroom 5105



Vanadzor State University after H. Tumanyan

As part of the PRINTeL project funding, 2 classrooms were equipped at the Vanadzor State University: a technology-enabled active learning classroom and a multimedia lecture capture studio. These classrooms are designed to fit an average of 20 students.



Classroom N3

With help of IT tools university lecturers conduct classes and record lessons, organize online lectures, conferences, and discussions. The use of new equipment and tools in the educational and methodological process makes it possible to adapt to new trends in the context of COVID 19.



Classroom N4

Classrooms are equipped with a Clevertouch interactive flat panel, a camera, an HD presentation recorder & streamer, a laptop with software, an audio studio, a digital wireless audio system for presentations, and acoustic panels.



Classroom N4



As part of the PRINTeL project funding, 1 LCS (classroom 714) and 3 ALC (classrooms 409, 520, 740) were equipped at Belarusian State University. These classrooms are designed to fit 15-25 people each.



The classrooms are actively used by teachers and students in the educational process and allow them to conduct classes using multimedia technology. In the context of COVID 19, the equipment obtained within the framework of the project makes it possible to establish online activity with students and employees as well as to conduct online conferences. As part of the «Video presentation of the academic discipline» competition, the media studio is used for video recording.



Interactive flat panels, a desktop computer with software, a portable Flexarm document camera, an interactive classroom response system kit are installed in three high-tech classrooms. The LCS is equipped with a lighting kit for video & photo studios, a laptop with software, etc.





Brest State Technical University

As part of the PRINTEL project funding, 2 active learning classrooms and 1 multimedia lecture capture studio were equipped at the Brest State Technical University. The classrooms are equipped with interactive panels, webcams for video conferencing, recording and streaming, media stations, monoblock PCs, laptops, radio microphone systems, and voting systems.



Classroom 1/218

The technical equipment of the classrooms raised education to a new level. The equipment helped to establish distance learning during the pandemic and improve the quality of video conferencing. BrSTU teachers actively use the studio for recording video lectures. They presented their video lectures at «The best innovative course of BrSTU» annual competition, which was also organized within the PRINTEL project.



Classroom 7/309

The lighting kit for video and photo studios consists of a fabric background, an audio studio kit with a microphone, an audio interface, and a shockproof mount, sound equipment, headphones, and acoustic sound panels.



Classroom 5/217



Yanka Kupala State University of Grodno

Within the framework of the PRINTeL project, it was planned to update 2 classrooms at the YankaKupala State University of Grodno, but with the help of the purchased equipment, it was possible to make an LCR — a student media center (classroom 325) and an educational media complex for the educational process that includes classrooms 218a and 334.



Student media center



Classroom 334

The student media center is a multimedia lecture recording studio that contains specialized equipment: an HD recorder and streamer, an ultra HD USB camera for video conferencing, recording, and streaming, studio lighting, an audio studio kit, acoustic panels.

Classroom 218a is designed to fit 50 people and is equipped with an interactive panel. Classroom 334 combines an improved 15-seat active learning classroom and workplaces for employees of the educational innovation laboratory. The equipment of the university classrooms allows teachers and students to create their audio and video materials, as well as to use innovative approaches in the learning process.



Classroom 218a



Ilia State University

As part of the PRINTeL project funding, 4 classrooms were equipped at the Ilia State University: A306, E306, E308, and FabLab (Laboratory of future innovation). Classrooms A306 and E306 are equipped with monitors purchased within the project and computers. These classrooms are designed to fit an average of 30 people.



Classroom E306



Classroom A306

As for the FabLab, it is a Laboratory of future innovation equipped with modern digital and computer equipment (3D printers, 3D scanners, laser cutters, programmable machine tools, etc.) and monitors.



Laboratory of future innovation

The classrooms are used by students, trainers, FabLab users, teachers who have undergone PRINTeL training and introduce innovative teaching and develop learning methods.



Georgian Technical University

As part of the PRINTeL project funding, 2 technology-enhanced active learning classrooms (classroom 609 at GTU VIII building and GTU University Library room at GTU administrative building) and 1 lecture capture/recording studio (classroom 327 at GTU VI building) were equipped at the Georgian Technical University. These classrooms are designed to fit an average of 25-30 students.



Classroom 609

Lecture Capture/Recording Studio is equipped with appropriate hardware, including audio-video and lighting equipment, software and communication infrastructure, an auto-tracking PTZ Video Camera, an audio studio kit with a microphone, an audio interface & a shock mount, and acoustic panels that allow academic staff to create video lectures and multimedia content.



University Library room

Technology-enhanced active learning classrooms are equipped with interactive flat panels, laptops, desktop computers with software, portable Flexarm document cameras, unified communications professional PTZ USB video cameras, digital wireless audio systems for presentations & lectures, interactive classroom response system kits.



Classroom 327



Telavi State University

As part of the PRINTeL project funding, a teacher training center, an active learning classroom, and a capture/recording Studio were equipped at the Telavi State University. These classrooms are designed to fit an average of 20 students.



The capture/recording studio is assembled with appropriate hardware, including audio-video and lighting equipment, software, and communication infrastructure. From the beginning of the academic semester, teachers can use the classroom for teaching and creating video lectures.



The classrooms are equipped with interactive wireless projectors and appropriate software, e-learning platforms, interactive blackboards, network servers, routers, 2 desktop computers, electronic T&L technologies, etc. The renewed classrooms contribute to a more active introduction of innovative teaching and learning methods at the university.



VIRTUAL COMMUNITIES OF TEACHING PRACTICE ON VATL PORTAL

With the advent of the Internet and information technologies in our lives, virtual communication became widespread. The modern education system requires new approaches to training. The teacher must have many qualities and competencies, including the ability to navigate in and integrate into the information space. Therefore, one of the major outcomes of the project is the creation of a virtual community for teachers.

The purpose of the virtual pedagogical community is to establish interpersonal communication between teachers and to create an association of colleagues for the exchange of professional experience.



[VATL PORTAL](#) 

379
as of 01.10.2021

users are registered at VATL platform



The VATL portal brings together teaching staff, researchers, and students from all over the world. The platform allows you to communicate remotely, share experiences and discuss new approaches to learning.

[Any teacher can sign up for the portal using the link](#) 

As well as take part in any available discussion or create their own.

created topics for discussion

83
as of 01.10.2021

[More details about VATL Communities of Teaching Practice here](#) 



COMMUNICATION BETWEEN THE MEMBERS OF THE PORTAL IS ESTABLISHED ON WITHIN FIVE THEMES:

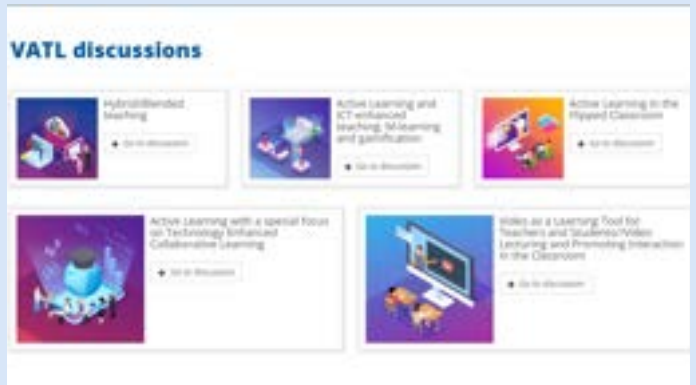
Hybrid/Blended teaching

Active Learning and ICT-enhanced teaching: M-learning and gamification

Active Learning in the Flipped Classroom

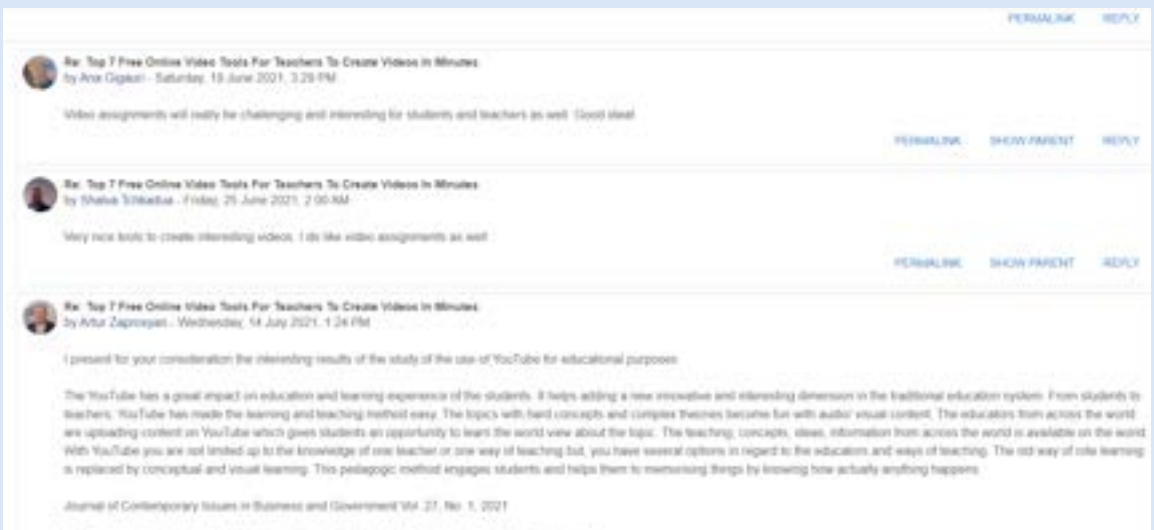
Active Learning with a special focus on Technology Enhanced Collaborative Learning

Video as a Learning Tool for Teachers and Students//Video Lecturing and Promoting Interaction in the Classroom



The most lively topics for discussion were: «Active Learning and ICT-enhanced teaching: M-learning and gamification» and «Video as a Learning Tool for Teachers and Students//Video Lecturing and Promoting».

Participants actively raised and discussed issues in the following subjects: «Gamification is a pedagogical technology of future», «Online Active Teaching & Learning: PICRAT model, Video as a new teaching tool to increase student motivation», «Top 7 Free Online Video Tools For Teachers To Create Videos In Minutes».



THE 1ST ANNUAL FORUM ON INNOVATIVE TEACHING AND LEARNING

20 May 2021


«Issues and Perspectives of Digitally-Enhanced Teaching & Learning in Higher Education» was held On May 20, 2021, in the form of a webinar with the help of Zoom video-conferencing platform.

The main topic of discussion was how universities of the European and Eastern Partnership (EPC) countries have responded to changes in teaching and learning (T&L) in the context of Covid-19. The webinar participants discussed the results of their work in the field of T&L and the prospects of university education development. The issues of further development of digital T&L technologies in European and EPC universities were touched upon.

The Forum comprised 4 Sessions:

- ▶ **Session I: «Expectations placed on university teachers in the post-Covid digital age of the future»**
- ▶ **Session II: «Connecting with Students Online»**
- ▶ **Session III: «Student assessment: How to evaluate student performance online»**
- ▶ **Session IV: «Teacher support importance and organization»**



The program of the forum is available at the [link](#) 

Forum recording is available on the [YouTube channel](#) 

The webinar was interesting for university and school teachers, quality assurance specialists, and management personnel involved in T&L at the universities.

312
participants

In total took part in the forum

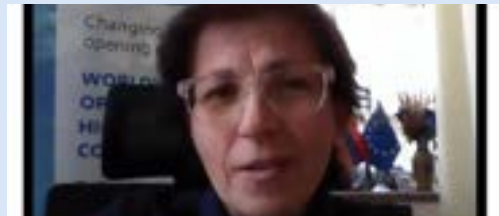
29
speakers

The main participants represented the universities of the PRINTeL Project and EU partners. The forum has been organized by the Yerevan State University representatives.

Welcoming speech were made by



**Zhanna Andreasyan -
Deputy Minister (Armenia)**



**Lana Karlova
National Erasmus+ Office (Armenia)**

.....

Session I: «Expectations placed on university teachers in the post-Covid digital age of the future»



**Wim Van Petegem
«The Future Digital Scholar: Prepared for tomorrow's education?»**



**Anna Aleksanyan
«Features of Online Teaching Competencies for Creating Offline Outcomes: E-tivity Based Teaching and Outcome Centered Learning»**

.....

Session II: «Connecting with Students Online»



Peter Dalenius: «Designing Online Learning Based on the Community of Inquiry Framework»



Boris Gitolendia «What Happened in the Classroom?! (COVID Lessons - GTU Experience)»



Joan-Tomàs Pujolà «Interactive Teaching in an online environment»



Natalia Chetyrbock, Maryia Tsukanava «Problems and perspectives of online education in Belarus. Experience of Brest State Technical University»

Session III: «Student assessment: How to evaluate student performance online»



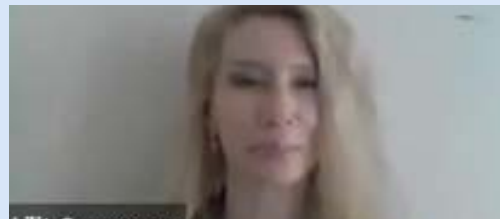
Wolfgang Weiß
«Designing online examinations»



Giga Khositashvili «Distance learning and academic misconduct in case of Ilia State University»



Margarida Amaral «How the numbers of the online quizzes change since the pandemic situation»



Wim Van Petegem, Lilit Sargsyan «Assessment of and for online learning»

Session IV: «Teacher support importance and organization»



Teresa Correia «Teaching Support Strategy During Covid19 pandemic at University of Porto»



Jorge Ascensão Oliveira «The Reduction of COVID-19 Transmission Risk as a Driving Force for Pedagogical Innovation»



Mariana Fontes da Costa «Build an e-assessment initiative from scratch in a couple of weeks»



Natalia Mantsurova, Natalia Morozova «BSU experience in using ICT in educational process»

The results of the forum were summed up by



Joan-Tomas Pujola - Professor
(University of Barcelona)



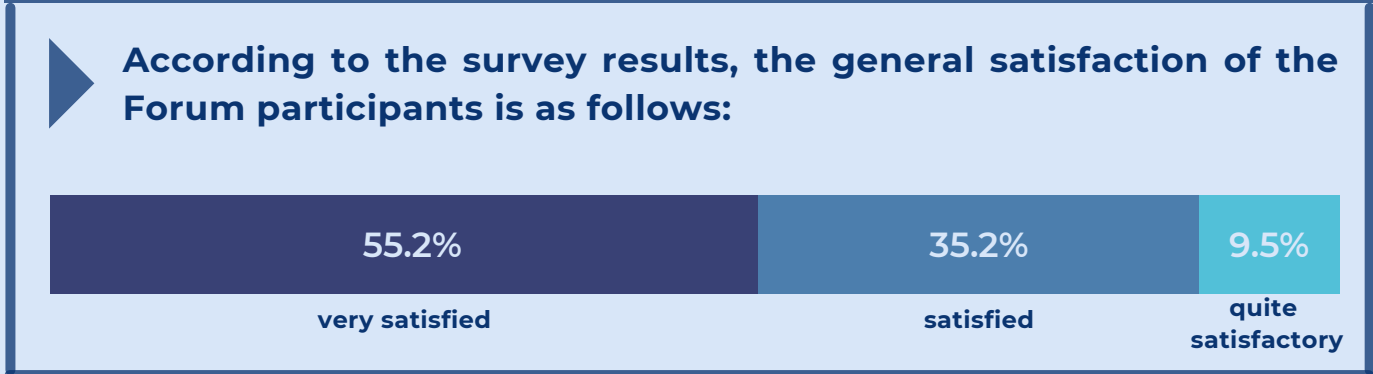
Wim Van Petegem - Professor
(KU Leuven)

The report on the results of the 1st Annual Forum on Innovative Teaching and Learning reveals the evaluation of feedback received from 105 out of 312 participants.

The survey was conducted using an online questionnaire and took place between May 26 and June 5, 2021.



- ▶ PRINTeL Project's First Annual Forum was positively evaluated by the participants.
- ▶ The Forum was described as well-organised, useful, and informative.
- ▶ The participants of the Forum also mentioned that the most valuable outcomes were the exchange of experience between the participants, networking, and discussion of modern technologies in teaching.
- ▶ As noted above, the forum was held online. No one doubted that Zoom was the most convenient platform to work with.



[The full results of the survey can be found at the link](#) 

PRINTeL'S SOCIAL NETWORKING SERVICES

The activities of the PRINTeL Project are widely represented on social networks, including VATL blog, discussion forums, a Facebook community, and a YouTube channel. They are created to encourage cooperation and dialogue between the participants of the project.

Social networks provide statistics on who actively interacts with the content and is interested in the product. Social media presence and communication with the audience help promote and popularize ideas.



News and event announcements are actively published on the Facebook page. A large members of subscribers view the page, like and comment on the publication.

[link](#)



The video recordings of conferences, workshops, and seminars, as well as speeches by teachers that participate in the PRINTeL's Program are published on the YouTube channel.

[link](#)



ADOPTION OF INCENTIVE POLICIES & AWARD PROGRAMS FOR INNOVATIVE T&L AT PC HEIS



Yerevan State University

«Excellence award in the teaching at
Yerevan State University»

- [Work-order of Evaluation Committees_Arm](#)
- [Work-order of Evaluation Committees_Eng](#)
- [TE Prize Winners_2020 & 2021_Arm](#)
- [Evaluation Panels-2020](#)

- [Regulation on Teaching Excellence Award_Arm](#)
- [Regulation on Teaching Excellence Award_Eng](#)
- [Calls and Winners of Teaching Excellence Award 2020 & 2021](#)

The competition is held once a year in two stages. The first stage involves the selection of candidates and the organization of the competition. The second stage is aimed at distributing video recordings of the course developed by the participant. There are various nominations for physical and mathematical, natural, social sciences, and philological specialties. The competition is aimed at improving teaching methods and introducing new technologies in the educational process.



Institutional awards for the excellence in T&L in YSU



National Polytechnic University of Armenia

«Excellence in innovative teaching technologies»

- [Regulation on Best Teacher Award_Eng.](#)
- [Regulation on Best Teacher Award_Arm](#)

The introduction of the award is based on the strategic goal of the university — to improve the quality and efficiency of education. To achieve the set of goals and motivate employees, a regulation on the competition was developed.

One of the main tasks of the competition is to financially and morally encourage the work of teachers who strive to use modern and technological methods in the educational process. Stimulating university teachers contributes to further increase of the efficiency of their work and the dissemination of advanced international experience.



Vanadzor State University after H. Tumanyan

«Excellence award»

- [Regulation on Teaching Excellence Award_Eng.](#)
- [Regulation on Teaching Excellence Award_Arm](#)

The award was established to promote innovative teaching methods at the university. The commission evaluates the videos prepared by the participants for the training courses according to the position criteria.

The competition is held once a year in two stages. According to the results of the competition, the commission allocates three prizes and publishes the results in the internal and external media of the university.



Belarusian State University

«Video presentation of the academic discipline»

- [Regulation on Best Video Course_Rus](#)
- [Announcement on Competition](#)

At BSU, a system has been created that ensures the development and application of creative education focused on the self-realization of each student, consolidation of attitudes towards the search for innovations in their minds, motivation of an independent understanding of activities aimed at training a specialist.

Participants of the competition must submit a video that contains a brief description of the academic discipline of their choice for additional study by students (information about the teacher, a summary of the academic discipline, the number of hours, credit points, the form of current control, competencies formed and other features).



Brest State Technical University

«The Best Innovative Course of BrSTU»

- [Regulation on Best Innovative Course_Eng](#)
- [Regulation on Best Innovative Course_Rus](#)
- [Minutes of Comission & Winners_Eng](#)
- [Minutes of Comission & Winners_Rus](#)

The goal of the competition is to introduce innovative pedagogical technologies in the educational process of the university, the activation of the process of creating innovative courses, and the use of innovative pedagogical technologies. 14 applications were submitted in total. The commission singled out four winners in different nominations: technical, IT, economic, social, and humanitarian disciplines.



Yanka Kupala State University of Grodno

«Faculty reward system for implementation of innovative education technologies in teaching»

- [Regulation on Teacher Ranking_Eng.](#)

The University has developed and implemented the Regulation on the ranking of faculty members. One of the main aims of the faculty ranking system at YankaKupala State University of Grodno is the enhancement of the staff provision of teaching, educational, and research activities by creating a motivating and challenging environment for professional qualification growth and development of creativity of teaching staff.



Ilia State University

- [Regulation on Teacher Reward_Eng.](#)
- [Certificate Awarding_ISU](#)

The university's policy is aimed at attracting highly qualified personnel with the aim of high-quality training of future personnel, including using innovative methods in the educational process. The Center for Faculty Development organized a series of workshops that enabled university staff involved in teaching to become familiar with innovative ways of teaching and learning, and to integrate them into their courses. More than 500 people from the university academic and teaching staff took part in them.

The university has encouraged trainers who have made valuable contributions to the development of the educational process and ensured a smooth transition to distance learning in a COVID environment.



Georgian Technical University

- [Regulation on Excellence Award_Eng](#)
- [Regulation on Excellence Award_Geo](#)

The regulation on incentives for academic staff at the Georgian Technical University was developed to encourage teachers who actively use innovative methods in teaching and learning. The competition promotes the involvement of employees in the process of using modern technologies.

The decision about awarding the staff is made considering the results of the previous academic year and each faculty can select the staff in two nominations:

- The Best professor/invited professor/teacher of the year at the faculty.
- The Innovator professor/invited professor/teacher of the year at the faculty.



Telavi State University

- [Regulation on Excellence Award_Eng](#)
- [Regulation on Excellence Award_Geo](#)
- [Teacher Promotion Criteria_Geo](#)

The regulation developed at the university contributes to the policy of encouraging the teaching staff. The regulation aims to promote innovative learning and teaching at the university and to increase staff motivation. To participate in the competition, the staff is obliged to fill in the documents and the application form and submit it to the Competition Committee.

The Competition Committee determines the evaluation criteria, participates in the selection of candidates and winners. The winning staff is awarded symbolic prizes and a certificate.

INNOVATIVE AND TECHNOLOGY- ENHANCED TEACHING AND LEARNING TEACHER'S HANDBOOK

Within the framework of the project, an «Innovative and Technology-Enhanced Teaching and Learning Teacher's Handbook» Handbook has been published.

Specialists from Europe and the Eastern Partnership Participating Universities took part in the work on the publication.

The e-book includes a visual aid for educators on various methods of innovative and technologically advanced teaching in universities.



TEACHER'S HANDBOOK INCLUDES FIVE CHAPTERS:

Chapter 1.

Active Learning with Special Focus on
Technology Enhanced Collaborative Learning

Chapter 2.

Active Learning & ICT-enhanced Teaching:
M-learning & Gamification

Chapter 3.

Video as a Learning Tool for Teachers & Students:
Video Lecturing & Promoting Interaction in the Classroom

Chapter 4.

Active Learning in the Flipped Classroom

Chapter 5.

Hybrid/Blended Teaching & Learning

[YOU CAN READ THE BOOK AT THE LINK](#) 

PRINTEL MASTER CLASSES «TEACHERS IN DIGITALIZED VIRTUAL SPACE»

8 September 2021

One of the final events of the PRINTEL project was a series of «Teachers in the digital virtual space» workshops.

The use of digital methods and interactive approaches in teaching is the main topic of 12 workshops on 6 different topics dedicated to the digital environment for self-study, effective methods of online learning, improving the quality of education through the use of information technology, and others.

Classes were conducted by the coaches of the PRINTEL Project — teachers from universities of Belarus (BSU and BrSTU), Georgia, Armenia, and Austria.

The workshops aroused the interest of the teachers not only from the participating universities but also from universities of Russia and Ukraine, allowing them to get acquainted with the experience of colleagues in the field of online learning and to apply it to their practice.

[*Timetable of the PRINTEL Master Classes*](#)

[*The videos of the online Master Classes*](#)

More than

150

teachers from institutions of higher education from different countries became participants

“ I believe that innovative competencies are very important today. I am also very happy to affirm that the PRINTeL Project is very successful. It has produced important results and the number of university staff involved in project activities is very huge.”



Konstantin Kozadaev - Vice Rector of BSU



Konstantin Mulyarchik

«Digital learning environment of self-paced learning based on Agile approach and usage of online/ICT technologies»



Andrei Prarouski

«Improving the quality of education through the use of information technologies»



Giga Khositashvili

«Strategies to Prevent Academic Misconduct in Online Learning (Demonstration of Moodle Safe Exam Browsing)»



Tamar Magalashvili

«Teaching in Time of Back to New Normal»



Serob Khachatryan

«Effective online teaching techniques»



Dr Rupert Beinhauer

«(Online) student challenge as a teaching method in times of COVID»

[Click here to find more materials on PRINTeL master classes](#)

“ I am sincerely grateful for the **INTERESTING** training and topical issues regarding the observance of the principles of academic integrity by the academic community.”



BELARUSIAN
STATE
UNIVERSITY



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