



Online Master Class Syllabus

Class title	Improving the quality of education through the use of information technologies
Instructor name University Position E-mail	Andrei Prarouski Brest State Technical University Head of the Department of WEMI prorovag@mail.ru
Class date & times	08 September, 10:00 AM and 12:00 PM (CET/Brussels Time)
Duration	60 min
Goal	Improve the quality of education through the use of information technologies
Learning outcomes	<ul style="list-style-type: none"> • Getting skills in using new information technologies in the educational process. • Obtaining skills to improve the quality of education through the use of IT technologies • Obtaining skills for the formation of the educational environment and the use of professional knowledge and skills in the implementation of the tasks of innovative educational policy
Instructional methodology	Training in the format of a training. We get acquainted with the theory, models, algorithms, and then create situations in which the participant can train their skills and abilities, discover something, explore, try it out.
Recommended reading	<ol style="list-style-type: none"> 1. Gavrilenkova, I. V. Information technologies in natural science education and training. Practice, problems and prospects of professional orientation. Monographs / I. V. Gavrilenkova. - M.: KnoRus, 2018. - 284 2. Fedotova, E. L. Information technologies in science and education: A textbook / E. L. Fedotova, A. A. Fedotov. - Moscow: Forum, 2018. - 256 p
Required technologies	Good Internet Connection, Microphone, Camera, Zoom account, etc.
Quality assurance	Online feedback survey and brief evaluation report

Class outline

Key topics covered	Learning activities	Assignments
<ul style="list-style-type: none"> ● <i>Sharing experiences and the PICRAT model</i> During the first topic, the participants will discuss the concept of <i>online teaching and active learning</i>, and we will introduce the PICRAT model as a way to plan tasks with technology in a meaningful way. ● <i>Through the screens: activating and interacting</i> The second topic will focus on online strategies to activate learning and enhance interactivity with the material and interaction with the learners. We will introduce different apps and resources to build up meaningful learning tasks and will have some hands-on experience working with some online tools. ● <i>Presenting our tasks and building our advice list</i> Participants will also build a list of useful advice to teach online in an effective way as a final summary of this online course 	<ul style="list-style-type: none"> ● Lecture presentation ● Discussion forums ● Group discussion 	<ul style="list-style-type: none"> ● The trainees will be able to discuss how innovation in teaching and digital resources can support students' learning ● The trainees will be able to discuss how active learning can support students' learning and design tasks with different apps for active learning ● The trainees will be able to should show how modern forms of active learning can be used in their activities