

Project “Activating Students in Online Classes”

2020-1-PL01-KA226-HE-096358

Demo scenarios:

"Flipped classroom-based e-methodology" online demo courses on "Activating Students in Online Classes" in three areas - computer science, environmental protection, and social transformation– what these are and how to use them

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The IO3 include three online demo courses on "Activating Students in Online Classes" in areas of computer science, environmental protection, and social transformation, which is based on the flipped classroom approach.

These demo scenarios depend on some key factors and going out to meet professor's needs:

- The readiness / skills of a teacher to present the learning content in an attractive way (directly during the training, although in an IT-mediated environment or through a video recording of a lecture / exercise / seminar).
- The applied by the teacher training methodology (considering both the specifics of the discipline and the specifics of the virtual environment for online learning process).
- Structure and content of the e-course, available through Learning Management System (LMS).
- LMS functionality / specifics.

Proposed in IO3 online demo courses, which is based on the flipped classroom approach introduces purposes to decide to use and apply a flipped methodology:

- Developing independent students' thinking.
- Developing students' critical thinking.
- Increasing their capacity for solving problems.
- Improving communication with students.
- Increasing interest to the given course.
- Applying knowledge in practice.
- Providing more time for active learning activities.
- Developing spirit of cooperation among students.
- Restructuring the course.
- etc.



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For that the online demo courses in IO3 provide many examples such as:

- Support materials or assignments for the pre-class activities (video lectures, presentation, short texts, questions, etc.)
- Activities during the class (Q&A session, discussions on the students' homework and their responses to the questions, small tests, etc.)
- Post-class activities during the class (Q&A session, discussions on the students' homework and their responses to the questions, small tests, etc.)

Each online demo courses demonstrates a minimum of one online Learning Management System (LMS) such as Microsoft Teams, Moodle, etc. and some online learning platforms such as Prezi software (www.prezi.com), Screenr (www.screenr.com), Coggle.it (<https://coggle.it>), Mindmup (<https://www.mindmup.com>), Kahoot (<https://kahoot.com>), etc. (See table on p. 75 of the Flipped Methodology)

After all, as the online demo courses show, professors may compare the outcomes of the flipped classroom method with usual approach of lecturing in class. The IO3 provide useful "good practice" in the e-distance or online learning (EDL), which is based on the flipped classroom approach.

These demo scenarios are summarised from the experience of professors of three universities, developing this project.

