



Blended learning in teaching discipline "Methods of obtaining pure substances"

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"Energy, energy efficiency, nuclear energy " - one of the priorities of the development of science and education

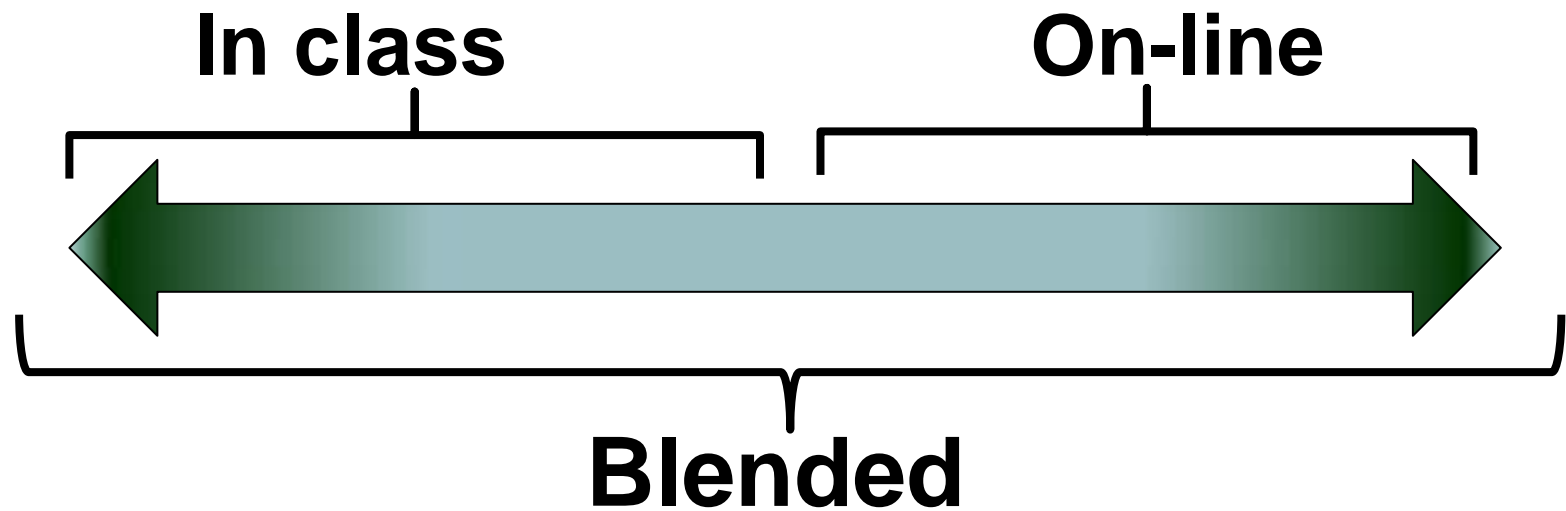
The program «Chemical Technology of Materials in Modern Power Engineering».

«Methods of obtaining pure substances»

Lectures

Laboratory work

Blended learning - combination of face to face learning and E-learning



LMS Moodle is an open source web application used to create interactive online learning sites.

ADVANTAGES:

- Ability of an LMS to allow you to fully manage and track your own learning.
- Provide support for distance learning.
- Safe and Secure
- Ease of Use
- Centrally Supported

Skim of laboratory work

Laboratory work

the obtaining the
access to work

the work in the
laboratory

the presentation of
the obtained results

Mixed card

In class

- 2) Laboratory work.
Selection of the equipment, materials for the experiment.
- 3) Experimental work
- 4) Work in the groups, discussion
- 7) The Conference

Mastering of theoretical material
Using of the experimental data
Reviewing the work of each other
Joint debate
Assessing teacher

On-line

Previous Class work:

1) The study of theoretical material. Getting admission in the form of answers to questions and solutions tasks.

Post Classroom work:

5) Individual work with experimental data, presentation of the experimental curves on the forum. Mutual review and discussion.

6) Writing the report. Submission on the forum. Discussion and review.

Conclusions:

The use of information technology tools complements traditional teaching.

Blended learning can:

- save time and effort,
- increase the quality of students training,
- be an efficient use of resources and teaching spaces,
- be student-centred – learn at own pace, suit individual learning styles, increase autonomy and enable self directed learning,
- use a wide range of educational activities,
- create the conditions for dialogue with the teacher and colleagues in order to resolve the difficulties in studying the discipline as they arise.

