

Report of the M08 pilot teaching in KNUCA

Semester: Autumn (Winter) 2022/2023 academic year

Curricula: 073 specialty "Management", Master program "Project management"

Module: Sustainability Management (elective)

Students: 7 persons

Teacher: Yevheniia Boiko (PhD)

About the module: During the third learning semester, Master students had only elective modules. 7 Students chose the module "Sustainability Management". According to the actual curricula at that academic year, the module had 3 ECTS.

Short description of students: Some students had practical experience in solving issues of ensuring sustainable development of the enterprise (as a team member or a project manager).

The module topics:

- Topic 1: Theoretical foundations of the concept of sustainable development.
- Topic 2. The role of the international community in the formation and implementation of the principles of sustainable development.
- Topic 3. Global problems of humanity.
- Topic 4: Ensuring sustainable development of socio-economic systems.
- Topic 5. Program-targeted approach to the development of various socio-economic systems.
- Topic 6: Assessment of the social potential of the state and its regions.
- Topic 7. Territorial migration system of Ukraine as a prerequisite for sustainable development of the economy, state and society.
- Topic 8. Characterization of the energy component of sustainable development of Ukraine.
- Topic 9. Economic mechanism of rational nature management.
- Topic 10. Strategic directions for the formation of a model of sustainable development of Ukraine and its regions.
- Topic 11: The concept of a mechanism for managing the sustainable development of project-oriented enterprises.
- Topic 12: Circular economy.
- Topic 13. Basic principles and implications of ecodesign.
- Topic 14. Ecodesign and the company.
- Topic 15. Product life cycle: contextualization and concept.

Topics #12, 13, 14 and 15 were chosen based on the M08 content that was created in the frame of the project.

Educational process form: online

Didactic concept: more traditional conception: theoretical material (lectures), discussions during the classes and tasks.

Pedagogical strategy: traditional presentation material with elements case-study.

Quality evaluation: A questionnaire was created for evaluating the learning process and content. It consisted of 10 questions. The results of the evaluation are presented below. However, this report is presented only the information concerning the content.

1. Was the module interesting?

All students answered that the module was interesting (100%).

It confirms that the M08 is a state-of-the-art module.

2. What were the most interesting topics?

All students indicated that the most interesting topics were circular economy and product life cycle.

3. How does the course seem useful?

Most students answered that the module was useful, but some of them indicated that only some topics were useful (without pointed out what topics were useful/unuseful).

Changes that should be made in M08: It is a good result and getting possibility for its improving. It will be made based on the project results.

4. What topics would you add that were not covered in the module?

It was suggested to add the topic of information and communication technologies in the circular economy.

Changes that should be made in M08: It should be prepared for the M08.

5. Was e-Learning effective for the module?

All students indicated that the e-learning was effective for them.

Changes to be made to M08: The module should be improved in the competition of didactic methods. For M08, this indicates that more attention should be paid to student assignments.

6. What practical tasks do you think should be added?

An interesting suggestion was received: "Developing a project based on circular economy using SimaPro software".

Changes to be made to M08: It should be prepared for M08. reason for it was few students amount on the module and it was not possible to organize fruitful distributed work.

Conclusions:

1. Add more practical tasks and games
2. More teamwork
3. More dynamic in eLearning process: fewer lectures, more discussions