ENSURING SUSTAINABLE DEVELOPMENT OF MARITIME EDUCATION AND TRAINING UNDER THE CONDITIONS OF MARTIAL STATE

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Introduction. The concept of sustainable development became one of the modern trends of XXI century. The definition of "sustainable development" is still not unified. Plenty of scientists have investigated sustainable development. Among them are the following: Chichilnisky G. [1], Mitlin D. [2], Jeffrey D. Sachs [3], Dasgupta P. [4], Arrow K.J., Goulder L., Daily G., Ehrlich P.R., Heal G.M., Levin S., Maler K.-G., Schneider S., Starrett D.A., Walker B., Dyagileva O., Goridko N., Voloshynov S. [5] and others.

In the work devoted to answer the question "What is sustainable development" Chichilnisky G. highlights that recently the discussion on sustanability has been an occasion for the expression of emotions and attitudes, with very little formal analysis of sustainability and its paths for a modern industry [1].

In her guide to the literature Mitlin D. defines "sustainable development" as the need for development, of ensuring that all people might obtain the resources they need for survival and further development [2].

Jeffrey D. Sachs presents a compelling and practical framework to address the seemingly intractable worldwide problems of persistent extreme poverty, environmental degradation, and political-economic injustice: sustainable development [3].

Dasgupta P. describes the idea of sustainability and concludes that the main factor it's connected with is population growth [4].

In the work devoted to MET (maritime education and training) group of authors concluded that sustainable development in MET is connected with the rapid development of information as the main impetus for the transformation of MET, updating its content and forms, methods and technologies, improving the efficiency and accessibility of quality education [5].

The relevance of research. Nowadays martial state in Ukraine influence MET's sutainability. It is of high importance to investigate the ways we can continue sustainable development under these circumstances.

Problem formulation. The aim of the work is to analyse the ensurance of sustainable development of MET under the conditions of martial state.

Research results. Unfortunately, the war has made adjustments to the functioning and educational process of KSMA. The teaching staff of the Academy has been ready to work online, as since 2014, especially during the pandemic, the work at LMS MOODLE has been actively developing, as well as online platforms and tools have been actively involving. Besides, the work with cloud-based technologies and augmented and virtual reality has been introduced into the educational process. All these achievements created conditions for the continuation of high-quality educational process during the wartime period.

The educational process is currently lasting at the Academy. Lectures and practical classes are held using Zoom platform, as the sustainable development in maritime education and training is aimed at establishing and developing continuous educational process and ensuring compliance with the rapidly changing requirements of the XXI century.



The main page contains a schedule of classes and sessions, recommendations on actions during an air-raid alert and other common issues of the educational process arrangement.

Each student has his personal account, containing his subjects and navigation in disciplines, which gives him an ability to view the schedule and see general recommendations. When opening the subject page, there is a methodical section with the syllabus, methodical recommendations for lectures, practical and individual work.

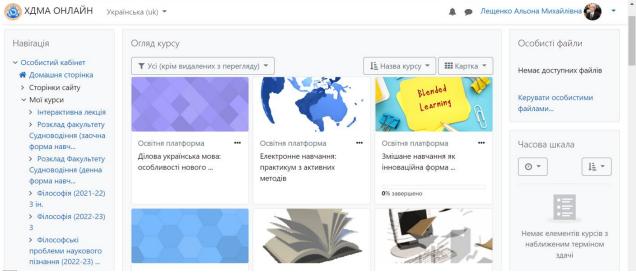


Figure 2 – Personal account and navigation

The next section contains lecture materials, in case if the student has been unable to attend classes due to the air-raid alert, lack of Internet connection, electricity, he can individually process the material, complete the tasks and get a certain number of points in this type of activity.

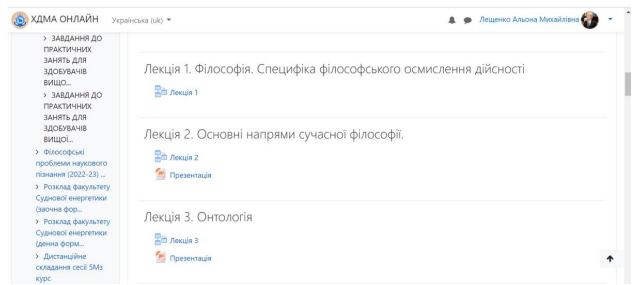


Figure 3 – Lecture materials and test tasks

In "Practical tasks" section, the student has the opportunity to perform tasks at any time. After completing the tasks, they are either uploaded and a lecturer checks them and assigns a grade, or the student immediately passes the test tasks and receives his grade. In addition, a part of the training courses is provided with online simulators via cloud-based technologies. Exams are held online: the student passes the theoretical part of the exam, whereas practical skills are developed using online simulators and VR technologies. A report on passing is automatically sent to the lecturer.

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	ЗАВДАННЯ ДО ПРАКТИЧНИХ ЗАНЯТЬ ДЛЯ ЗДОБУВАЧІВ ВИЩОЇ ОСВІТИ ДЕННОЇ ФОРМИ НАВЧАННЯ 231 СП, 232 СП, 331 СП
	<u>ПРАКТИЧНЕ ЗАНЯТТЯ 1.</u> ҐЕНЕЗА ФІЛОСОФСЬКОГО ЗНАННЯ У КОНТЕКСТІ ЦИВІЛІЗАЦІЙНИХ ПРОЦЕСІВ
	Опрацюйте теоретичний матеріал за планом для виступу на онлайн-занятті та виконайте завдання
	<u>ПРАКТИЧНЕ ЗАНЯТТЯ 2.</u> ҐЕНЕЗА ФІЛОСОФСЬКОГО ЗНАННЯ У КОНТЕКСТІ ЦИВІЛІЗАЦІЙНИХ ПРОЦЕСІВ
	🌡 Опрацюйте теоретичний матеріал за планом для виступу на онлайн-занятті та виконайте завдання
	<u>ПРАКТИЧНЕ ЗАНЯТТЯ З.</u> ҐЕНЕЗА ФІЛОСОФСЬКОГО ЗНАННЯ У КОНТЕКСТІ ЦИВІЛІЗАЦІЙНИХ ПРОЦЕСІВ
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	<u>ПРАКТИЧНЕ ЗАНЯТТЯ 4.</u> ОСНОВНІ НАПРЯМИ СУЧАСНОЇ ФІЛОСОФІЇ
	🤳 Опрацюйте теоретичний матеріал за планом для виступу на онлайн-занятті та виконайте завдання
	<u>ПРАКТИЧНЕ ЗАНЯТТЯ 5.</u> ФІЛОСОФІЯ УКРАЇНИ (ВІД КИЇВСЬКОЇ РУСІ ДО НАШОГО ЧАСУ)
	Опрацюйте теоретичний матеріал за планом для виступу на онлайн-занятті та виконайте завдання
	<u>ПРАКТИЧНЕ ЗАНЯТТЯ 6.</u> ФІЛОСОФІЯ УКРАЇНИ (ВІД КИЇВСЬКОЇ РУСІ ДО НАШОГО ЧАСУ)
Figure 4 – Tasks for practical works	

The lack of access to KSMA facilities, and, accordingly, laboratories and training centre, created a challenge in training and certification of our graduates, as at the final year of study the students must obtain the maximum number of certificates and receive the first Certificate of Competency which is acquired after the presentation of a diploma. Lithuanian Maritime Academy has assisted us in solving this problem. LMA implements the program of KSMA students' training corresponding to the agreed programs and allowing to complete high-quality simulator training at

LMA in the offline mode and train all practical skills and obtain international certificates necessary for receiving the first Certificate of Competency.

Therefore, sustainable development in MET under the conditions of martial state extremely fulfills all international requirements for the training of a high-quality specialists of sea and river transport.

Conclusions. The paper lists the definitions of "sustainable development" made by different researchers. The article contains the definition of term "sustainable development in met". The influence of martial state is described on the example of ksma's educational process. It is highlighted that due to the transfer of educational process to e-learning teachers of ksma use different online tools (e.g. Lms moodle, zoom platform). We see the prospects of further research in the analyse of met by means of digitalization tools.

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