

DESIGN OF ENGLISH LEARNING COURSE FOR FUTURE SHIP ENGINEERS

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Abstract: *The article describes the way of organization of Maritime English e-courses for future ship engineers. It highlights that LMS Moodle is a full-featured system for organizing distance learning and creating e-courses. The advantages of LMS Moodle use are listed in the paper. The article says that there are different tools useful for design of Maritime English courses. The Module Glossary of LMS Moodle allows the participants to create and update a list of definitions, like the list in the dictionary, or to select and systematize resources or information. The Module News is the forum which allows students to have discussions, and problem solving. The LMS Moodle allows to create Competency Based Education. The article concludes that due to LMS Moodle future ship engineers use active language material and express their points of view.*

Keywords: *Moodle, ship engineers, Maritime English, competency-based approach, e-courses, e-learning.*

ПРОЄКТУВАННЯ КУРСУ З ВИВЧЕННЯ АНГЛІЙСЬКОЇ МОВИ ДЛЯ МАЙБУТНІХ СУДНОМЕХАНІКІВ

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Анотація: *У статті описано спосіб організації електронних курсів морської англійської мови для майбутніх судномеханіків. У ньому підкреслюється, що LMS Moodle – це повнофункціональна система для організації дистанційного навчання та створення електронних курсів. Переваги використання LMS Moodle наведено в статті. У статті йдеться, що існують різні інструменти, корисні для розробки курсів морської англійської мови. Словник модуля LMS Moodle дозволяє учасникам створювати та оновлювати список визначень, наприклад список у словнику, або вибирати та систематизувати ресурси чи інформацію. Новини модуля – це форум, який дозволяє студентам вести дискусії та вирішувати проблеми. LMS Moodle дозволяє створювати освіту на основі компетентності. У статті робиться висновок, що завдяки LMS Moodle майбутні судові механіки використовують активний мовний матеріал і висловлюють свої точки зору.*

Ключові слова: *Moodle, судові механіки, морська англійська мова, компетентнісний підхід, електронні курси, електронне навчання.*

The COVID-19 pandemic has led to the largest for the entire history of failure in functioning of education systems, which affected all continents. At the same time, it should be noted that the crisis has served as a stimulus for innovations in education. For ensuring continuity of education and training distance learning was applied. Teaching English also has changed its format. We need a single expanse for everyone in the Internet, where materials would be available, both for students and tutors. We see it through e-course Moodle, which our educational establishment widely used [1].

The LMS Moodle platform is a full-featured system for organizing distance learning and creating e-courses. This system requires installation on a server, mandatory administration at the level of the educational institution.

Among the large number of online learning opportunities, the multifunctional LMS Moodle platform has many advantages. It is useful in the process of teaching a foreign language and currently is often used by teachers and cadets. An e-course in LMS Moodle can provide material studying at all stages: from learning theoretical material by means of text or multimedia files processing and performing various practical tasks – to thematic of final knowledge assessment in different forms (e.g. testing).

The advantage is that the Moodle platform is a free open distance learning management system. It allows participants to use a wide range of tools for educational interaction between teachers, students and the administration staff of the educational institution.

In particular, it provides an opportunity to submit educational material in various formats (text, presentation, video, web page); to carry out testing and survey of cadets with use of questions of the closed and open types; cadets can perform tasks with the ability to send relevant files.

In addition, the system has a wide range of tools for monitoring the learning activities of cadets, such as: the total time of the student's work with a particular subject, relevant topics or components of the study material, the overall performance of the student in the test.

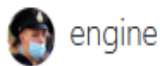
In process of creating the course for distance learning in LMS Moodle general rules must be observed. The framework of the course for ships engineers consists of certain necessary elements. Participants of the course use: The Module Glossary, references to authentic texts about marine life, different situations onboard and marine specialists' point of view, manuals for repair and maintenance of machinery. It's important to add to the course the Module News, Forum for discussions and problem solving, information about the teacher in charge of the course, the Syllabus of the course, the Course Map, the Competency Framework, the participation requirements, assessment register and different resources with studying material.

The Module Glossary of LMS Moodle allows the participants to create and update a list of definitions, like the list in the dictionary, or to select and systematize resources or information. It is important for ship engineers to have such glossary with terms and their definitions. Cadets can add expressions, define the terms, download pictures and attach additional materials (links, video, key words, animation, tags etc.) [2]. Entries can be searched alphabetically, by category, date or author. This glossary can be used as:

- common bank of key terms;
- the area for sharing useful videos, images or sound files;
- viewing the fact resource for memorization [3].

Ship engineers should read authentic texts, because only by reading original texts they develop their skills. Such texts give students the opportunity to get acquainted with original language, real life situations and develop student's motivation.

E



engine

Білий Олександр Юрійович - понеділок 18 жовтня 2021 14:50

- is a machine with moving parts that converts power into motion

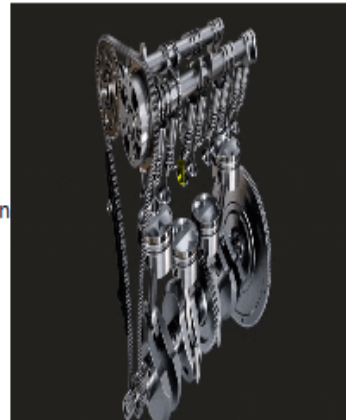


Figure 1 – Example on Glossary’s term added by cadet on LMS Moodle e-course “Maritime English for ship engineers”

Also, authentic materials allow students to implement language skills, such as listening, writing, reading, speaking it also develops intercultural competencies. Authentic text describes all the diversity of a foreign language.

Examples of authentic materials are brochures, newspaper articles, letters, train tickets, television programs, advertising – all of which are used by the native speakers in their daily life.

Authentic materials motivate students because they are more interesting and a great stimulus for learning a language, as well as bringing readers closer to the culture of the target language, making learning more enjoyable. Such texts foster tolerance for another culture. All authentic materials are represented by means of link Module on LMS Moodle.

The specific of teaching the ship’s engineers is constant updating the course material according of ever-changing requirements of marine sphere. That’s why the usage of modern manuals as element of teaching helps to present relevant material about machinery which is used right now on board. A manual is a book that gives students practical instructions on doing or using something onboard. In case of reading the manuals student prepares for real-life situations onboard and teacher creates cross-disciplinary links. The manuals are added to course in the form of references. The functions of usage the manuals are the next:

- to practice extensive reading;
- to expand student’s vocabulary;
- to practice self-learning.

The Module News is the forum which allows students to have discussions, and problem solving. Participants can subscribe to the forum to receive notifications of new forum posts. Such forums can have many applications as:

- for course announcements (using the news forum);
- to discuss course content or read materials;

- for advanced activities, such as “puzzles” for students to think about and suggest solutions [4, 5].

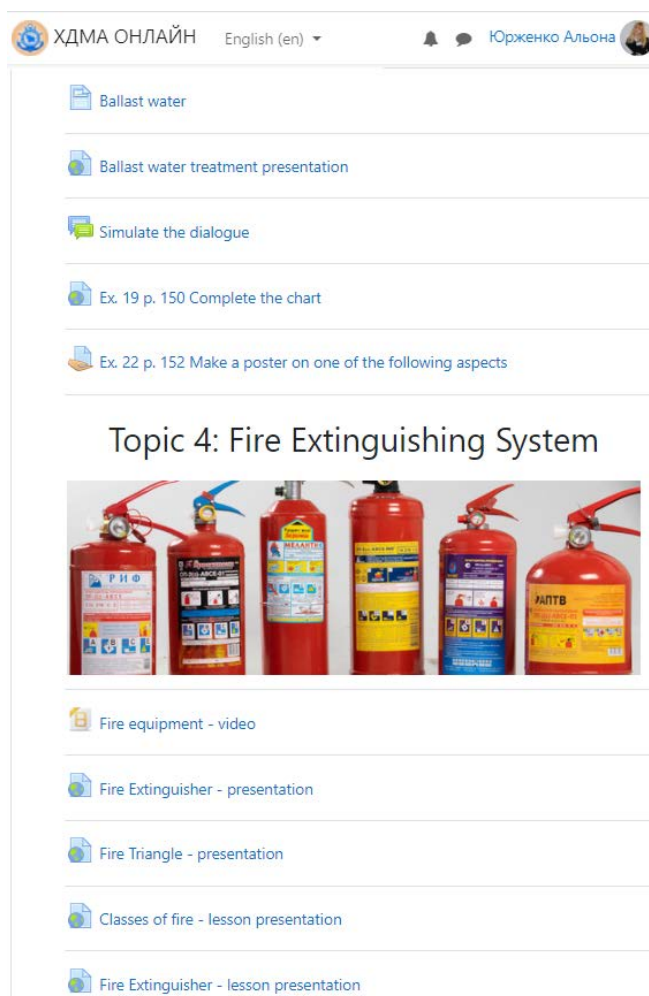


Figure 2 – List of links on e-course of “Maritime English” on LMS Moodle

In LMS Moodle, each teacher has a profile page, which can be accessed from the user menu at the top right, and then click “Profile”. This page contains links to other pages that allow the user to edit information and profile settings, view forum / blog posts, and check any reports he or she has access to.

Each e-course should contain all the necessary information about the teacher: name, surname, e-mail address, city, country, time zone, teacher's experience, qualifications, interests, forum. The User Images section is also a necessary part of the course, the image will usually be displayed next to the teacher's username.

The description of profile page allows students to learn about the teacher.

Every e-course must have the objective of the course, essential competencies, forum, and the syllabus.

The syllabus is a document that contains all the important information about the course. It lists the topics cadet will study, as well as the timing of any coursework, including tests, quizzes or exams. The future marine engineer must have a sufficient level in accordance with the STCW. The content of the discipline must have lexical material related to topics (e. g. technical operation and operation of marine engines and auxiliary equipment mechanisms of engine room). Formation and improvement of English-language communicative competence of the future marine engineers in

professionally oriented communication for an effective solution of their professional tasks. There are four main parts of the syllabus:

- Instructor information.
- Reading Materials and Supplies. This section of the program lists books, online resources, and other content that a student will need for the lesson.
- Policy. The program will describe how cadets will be assessed.
- Lessons schedule [7].

The Course Map is useful instrument of involving the student in process of studying. The main function of this element is to structure the course and to motivate learners. Being the starting element of course it must be precise, understandable and creative. The form of the Course Map is varied from the chart or presentation to mind map. The Course Map gives the student information about competences and knowledge which they obtain after finishing the course.

The LMS Moodle allows to create Competency Based Education. The Competency framework is hierarchical structure of skills and knowledge which student received during attending the course. Teacher applies the possibilities of the Competency framework for evaluating students' competencies in Moodle. This useful method of assessment helps to understand the accessibility of material in course. The first step is to create the learning plan templates and add competencies to them that help to assign learning plan of selected student. Students can view their learning plans and results of prior learning. A competency may be marked complete when students have a certain number of points. The competency framework allows:

- To set up random list of competencies;
- To determine tasks and competencies which forms during performing these tasks;
- To manage the certification, distributing teachers, students and competencies;
- To maintain the communication between teacher and student [6].

The participation requirements or rules for students are necessary to organize successful studying. Students must not share their password to course with third parties. It's important to perform the tasks as scheduled. There is consequence of actions for successful distance learning: studying the material, doing the tasks, passing the tests, using of forum for communication and self-studying. During communication via forum or chat students must respect conversationalist, save personal information and use rules of business correspondence.

Conclusions. One of the modern educational system tasks is the ability to adapt quickly to constantly changing socio-economic conditions. The methodology of using LMS Moodle in educational course as a part of studying Maritime English for future ship engineers is realized on the basis of a communicative approach. This approach was chosen because the study of the language in it occurs through communication. As a result of this approach, a system of foreign language proficiency is formed, implemented and operates as a means of communication.

Due to LMS Moodle future ship engineers use active language material and express their points of view. This is an effective training for them which positively affects the quality of teaching not only Maritime English but also English for professional purposes and increases the level of knowledge among cadets of ship engineering department.

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**ОБҐРУНТУВАННЯ ВИМОГ ДО КОМПЕТЕНТНОСТЕЙ МЕХАНІКІВ ЗІ
СТАНДАРТУ ВИЩОЇ ОСВІТИ УКРАЇНИ У ВИРІШЕННІ ЗАВДАНЬ,
ПОВ'ЯЗАНИХ ЗІ СПЕЦІАЛЬНІСТЮ 271 «МОРСЬКИЙ ТА
ВНУТРІШНІЙ ВОДНИЙ ТРАНСПОРТ»**

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