ORGANIZING TEACHING ACCORDING TO THE REQUIREMENTS FOR ELECTRONIC EDUCATIONAL MANUALS

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Abstract: In this article e-learning resource - the essence of the structural elements that determine the structural basis of the systematic e-learning resource for educational disciplines (modules), pedagogical requirements for the creation of e-learning resource, the creation of e-learning resource educational and methodological requirements.

Keywords: Multimedia, creativity, information, technology, videos, electronic presentations, methodology, resource.

Today, information technology is developing rapidly around the world. Clearly, new information technologies need to be introduced into the educational process. Modern society is characterized by the active use of the global information network, which is not limited in terms of volume and speed of data transmission.
The emergence and spread of multimedia and Internet technologies allow the use of information technology through communication, education, and integration into the world community. The importance of information technology in personal development, professional identity and "standing up" is obvious.
In the use of information technology, it is necessary to try to realize all the abilities of the individual - curiosity, morality, creativity, communication and aesthetic abilities. In order for these skills to be developed at the required level, the educator needs to be knowledgeable in the field of information technology. The development of this knowledge in educators should begin during their studies in higher education. Knowledge in the field of information technology can be expressed as follows: the ability to evaluate experience in a modern information environment and apply it in practice. The ability to develop personal creativity. , mastering the culture of modification, presentation, transmission and application.
E-learning resource - formed on the basis of systematization, consistency, coherence and integrity of educational disciplines (modules), with full or partial coverage of educational materials in computer technology or the Internet information network (separately) is a set of placed electronic publications.
The following is the essence of the components that determine the structure of the e-learning resource.
Working curriculum of the educational module - a program that serves the development of educational material in accordance with the requirements of the state, taking into account the specifics of increasing the level of competence of students in the relevant field of study or specialty.
Guidelines for the study of the module - a set of recommendations and guidelines that allow students to organize the process of effective mastering of the relevant module.
Teaching and learning materials - materials that allow you to effectively master the theoretical and practical knowledge of the training module. These types of materials include: text of lectures, electronic presentations, electronic learning resources, electronic textbooks, electronic teaching aids (or) methodical manuals, exercises (or problems) package, plans of seminars and practical classes, instructions on the organization of laboratory classes.
Sources of lexical information - encyclopedias, reference books, dictionaries, state legislation, normative-methodical and normative-technical documents, STATE REQUIREMENTS, Regulations, Help for computer programs, EATR for users or 'riqnamas and b.
Educational materials - electronic albums, electronic atlases, poster collections, videos, slides of electronic presentations, web-documents illuminating visual materials, collections of audio files, etc.
Glossary or glossary - special terms related to the training module, educational resources that contain explanations of basic concepts.

Current, intermediate and final control - control questions on the topics specified in the curriculum or the whole curriculum, a set of written works or test assignments, computer programs for the organization of electronic tests that allow students to check their knowledge .

Documents of pedagogical practice - educational and methodical sources covering the general essence of pedagogical practice, the schedule of the organization and carrying out of pedagogical practice, the term of organization of reference and final conferences of pedagogical practice, methodical instructions on the organization of pedagogical practice for listeners. instructions, documents kept by students in the process of pedagogical practice, the order and rules of their registration, criteria and indicators for monitoring and evaluating the activities of students in the organization of pedagogical practice.

Educational and bibliographic materials - reference books of educational and bibliographic nature, a list of scientific, educational and methodological literature that allows you to effectively master the basics of the educational module, the basics of state legislation and regulations, as well as computer list of software tools.

Pedagogical requirements for creating an e-learning resource:

- In contrast to the paper-based learning resources, audio files, animation, emotional effects, etc. are used to make the course material easier to master. enriched with;
- compliance of the listener with the level of knowledge, professional competence;
- created taking into account the emotional and physical potential of the listener;
- Visualize the topic with animation or other similar audiovisual means, if possible, in accordance with the content of the lesson (activation of the visual receptor);
- Avoid large-scale calculations;
- pay more attention to the content of the studied science, create conditions for solving problems and examples;
- to allow self-control at any stage of the subject;
- to transfer written works on the studied subject to any media, to present them on a disk or other media;
- Use keywords, additional literature, hyperlinks and help functions in the study of science as much as possible.

Requirements for creating an e-learning resource:

- analysis by solving a large number of problems or changing the primary data, the use of graphical interpretations;
- create conditions for the teacher to conduct the lesson in the form of an independent lesson, in which case to participate as a listening consultant; - allow the teacher to monitor the level of knowledge acquired by students using tests of different complexity (formed by the level of complexity);
- Creating opportunities for teachers to prepare for lessons in a convenient way (slides, text, presentations, videos, etc.)

REFERENCES

1. Abdukadirov, A., Zakirov, S., Mamarajabov, O., & Sayfulla, A. (2021, November). Conditions for the development of students' information competence in the aspect of the development of distance learning in the humanities. In 2021 International Conference on Information Science and Communications Technologies (ICISCT) (pp. 1-4). IEEE.
2. Elmurzayevich, M. O. Cloud Technology to Ensure the Protection of Fundamental Methods and Use of Information. International Journal on Integrated Education, 3(10), 313-315.
3. Хасанов, А. А., & Ўроқова, Ш. Б. Қ. (2021). Цифровизация образования на современном этапе развития информатизированного общества. Scientific progress, 2(1), 300-308.
4. Qizi, U. S. B. (2021). Digitization Of Education At The Present Stage Of Modern Development Of Information Society. The American Journal of Social Science and Education Innovations, 3(05), 95-103.
5. Bagbekova, L. (2020). Distance education system as a new form of teaching. Theoretical & Applied Science, (9), 12-14.
6. Kadirbergenovna, B. L. (2022, February). Massive open online course basic requirements for digital educational resources. In Conference Zone (pp. 187-190).
7. Bagbekova, L. (2019). Opportunities of massive open online courses. *European Journal of Research and Reflection in Educational Sciences Vol*, *7*(12).

8. Kadirbergenovna, B. L. (2019). The importance of independent education in education system. *Педагогика ва психологияда инновациялар*, (5).
9. Elmurzaevich, M. A. (2022, February). Use of cloud technologies in education. In Conference Zone (pp. 191-192).
10. Kadirbergenovna, B. L. (2022, February). Create 3d graphics with the hand of 3d max software. In Conference Zone (pp. 206-208).
11. Elmurzaevich-TSPU, M. O., & Rustamovich, A. J. (2019). The benefits of using information technology in the education system. European Journal of Research and Reflection in Educational Sciences Vol, 7(12).
12. Абдурахманова, Ш. А. (2017). Развитие педагогической науки в Республике Узбекистан. Молодой ученый, (1), 428-430.
13. Mamarajabov O.E. Benefits of Using Information Technology in the Education System // Vocational Education. Tashkent, 2019. No.1. P. 55-59.
14. Sh.A.Abduraxmanova, & X. Jo‘rayev. (2022). Modern web technologies used in professional education. Conference Zone, 178–179. Retrieved from
15. Shahnoza, A. (2019). About one aspect of the development of students’intellectual skills using multimedia interactive tests. European Journal of Research and Reflection in Educational Sciences Vol, 7(12).
16. Bagbekova Laylo Kadirbergenovna. (2022). Teaching computer graphics as a pedagogical problem on the basis of massive open online courses in information conditions. *World Bulletin of Social Sciences*, *8*, 71-74.
17. Shaxnoza Abduhakimovna Abduraxmanova. (2022). Individualization of professional education process on the basis of digital technologies. World Bulletin of Social Sciences, 8, 65-67.
18. Mamarajabov Odil Elmurzaevich. (2022). Formation of students’ competence in the use of cloud technologies in the information educational environment. World Bulletin of Social Sciences, 8, 79-80.
19. Bahadirovna, S. D. (2022, February). Enrich educational content through multimedia resources using digital technologies. In Conference Zone (pp. 220-221).
20. Urokova, S. B. (2020). Advantages and disadvantages of online education. ISJ Theoretical & Applied Science, 9(89), 34-37.
21. Otaboevich, K. M. (2021). Model of Developing Ideological Competence in Students. *Annals of the Romanian Society for Cell Biology*, 1284-1292.
22. Khojaev Munis Otaboevich. (2022). Legal fundamentals of developing ideological and ideological competence in students. World Bulletin of Social Sciences, 8, 96-100.