European Journal of Emerging Technology and Discoveries
ISSN (E): 2938-3617
Volume 2, Issue 4, April - 2024

CURRENT ISSUES OF TRAINING UNDER THE CREDIT-MODULAR SYSTEM

Umarova Dilfuza Satvoldievna
Senior Lecturer Andijan Machine-Building Institute

Abstract
This article highlights some problems and prospects in training when applying the credit-module system (CMS) in higher education. Let's consider the advantages and limitations of this system, as well as its impact on the organization of the educational process and assessment of student performance. The key factors that determine the effectiveness of training and the quality of education received in the context of CMS are analyzed.

Keywords: credit-module system, higher education, performance assessment, flexibility of the educational process, standardization of programs.

Introduction

The credit-module system (CMS) has become widespread in higher education around the world in recent decades. It gives students greater flexibility in course selection, allowing them to pace themselves and personalize their curriculum. However, the implementation of CMS faces a number of problems, such as standardization of programs, assessment of performance and training of teaching staff [1].

Literature and Methodology

Benefits of CMS include:
Flexibility of the educational process: Students can choose courses according to their interests and needs, which contributes to their motivation and active participation in the educational process.
Individualization of training: Each student can determine their own individual learning path, taking into account their preferences and goals.
Development of independence: The system stimulates independent work of students and develops their skills of self-organization and self-government.

However, there are some limitations:
Heterogeneity of knowledge level: Variety of courses and flexibility in choice may result in differences in students' skill levels.
The need for standardization: Standards for assessment and quality control are required to ensure the quality of education.

RESULTS

The influence of the CMS on the organization of the educational process:
The introduction of CMS requires changes in the organization of the educational process. For example, curricula must be adapted to accommodate the diversity of courses and modules, and

assessment systems must be flexible enough to accommodate different forms of learning and assessment [2].

Assessment of academic performance and its nuances:

Assessing academic performance becomes more complex in a CMS environment. Traditional assessment methods such as examinations may not be effective enough to assess students' knowledge acquired through various courses and modules. Therefore, it is necessary to develop new assessment methods that take into account the specifics of training within the CMS.

Development of CMS in modern higher education. The system of credit-modular education emerged as a result of the desire for a more flexible and individualized education system. It has been successfully implemented in many countries such as the USA, UK, Canada and others, which demonstrates its relevance and effectiveness in the modern educational context.

The role of technology in supporting content:

With the development of information and communication technologies (ICT), the role of technology in supporting the credit-modular system has become even more significant. Online courses, distance learning, electronic libraries and other digital resources make learning more accessible and convenient for students.

Challenges to standardization and quality:

One of the main challenges in the implementation of CMS is the need to standardize educational programs and control the quality of education. The development of common standards and assessment criteria will ensure the comparability of learning outcomes and maintain a high level of education quality.

The role of student feedback:

One of the ways to improve the quality of learning in a CMS environment is the active use of student feedback. Students can provide feedback on the quality of teaching, organization of the educational process and suggestions for its improvement, which contributes to the continuous improvement of the educational system [3].

Development of the assessment system:

The first of the key aspects of the credit-module system is the development of an assessment system, which must be fair, objective and consistent with the goals of the educational process. [4]. Along with traditional methods of assessment, such as exams and tests, it is important to introduce new approaches, for example, student portfolios, project work, practical exercises and other forms of assessment that allow a more complete assessment of students' knowledge and skills.

The role of international cooperation:

International cooperation plays an important role in the development of the credit-modular system. The exchange of experience and best practices between universities and educational institutions in different countries helps improve the quality of education and increase its competitiveness in the global market [5].

Social adaptation of students:

Another important aspect is the social adaptation of students to the credit-module system. Some students may need time to adjust to new forms of learning and assessment, especially if they are accustomed to more traditional learning methods. Therefore, it is important to provide students with support and resources to successfully complete their educational program.

ISSN (E): 2938-3617
Volume 2, Issue 4, April - 2024

Development of critical thinking:

One of the important aspects of the credit-module system is the development of critical thinking among students. The flexibility of the learning process allows for the use of a variety of teaching methods, including discussions, case studies, project activities and other forms of work that promote the development of analytical and critical skills.

Integration of research activities:

CMS also promotes the integration of research activities into the educational process. Students can participate in research projects, publish articles, take part in conferences and other events, which allows them to acquire not only theoretical knowledge, but also practical skills and experience.

Taking into account the needs of various categories of students:

When introducing CMS, it is important to take into account the needs of different categories of students, including students with disabilities, students from different sociocultural groups and students with different levels of training. [6]. Ensuring equal opportunities for access to education and supporting diversity in the learning environment are important aspects of the social responsibility of higher education institutions.

DISCUSSION

The introduction of this system into the higher education system will improve the quality of education, ensure transparency, eliminate corruption, reveal the true knowledge of the student and create an environment in which students can study and work independently. Today the European credit system has been introduced in almost all higher educational institutions of Uzbekistan. CMS can help improve access to education for a wide range of people, including adults, workers and those unable to attend traditional educational institutions [7]. The ability to have a flexible learning schedule and choice of courses allows people to learn throughout their lives and develop professionally.

CONCLUSION

The credit-module education system is an effective tool for organizing the educational process in modern higher education. It promotes flexibility, individualization and quality of education, but its successful implementation requires attention to a number of key aspects, including the development of critical thinking, the integration of research activities, the needs of diverse student populations and the support of lifelong learning. Only with an integrated approach and constant improvement of the educational process will CMS be able to fully realize its potential and provide quality education for all students.

References

1. Umarova, D. (2022). Kredin-modul tizimi asosida ta’lim jarayoni. URL: https://scienceweb.uz/publication/14301
2. Umarova, D. (2022). Teaching students in geometric modeling skills. Scientific and technical journal machine building. URL: https://scienceweb.uz/publication/14305

3. Umarova, D. (2023). Review of ecological studies on gastropods of ferghana valley springs, uzbekistan. Intent research scientific journal-(IRSJ). URL: https://scienceweb.uz/publication/14306
4. Umarova, D. (2021). Features of using information technologies when performing graphic works. Universum: технические науки.URL: https://scienceweb.uz/publication/14307
5. Umarova, D. (2022). Tools for studying engineering graphics. Epra international journal of research and development (IJRD). URL: https://scienceweb.uz/publication/14308
6. Umarova, D. (2021). Changing the role of the graphics teacher with progressive learning conditions. Вестник современных исследований. URL: https://scienceweb.uz/publication/14309
7. Проворова, О. Г. (2006). Принципы модульного обучения: Метод. разработка для преподавателей / Сост.; Краснояр.гос.ун-т. – Красноярск. – 32 с.
8. Tokhirov, A. I. (2021). USING THE GRAPHICAL EDITOR" КОМПАС 3D" in teaching computer engineering graphics. Universum: технические науки: электрон. научн. журн, 7(88), 8-3.
9. Tokhirov, A. (2021). Application procedure CAD/CAM/CAE-systems in scientific research. Universum: технические науки, (6-5), 16-19.
10. Tokhirov, A. (2021). Writing control programs for computer numeral control machines. Universum: технические науки, (5-6), 15-17.
11. Tokhirov, A. (2021). WRITING CONTROL PROGRAMS FOR COMPUTER NUMERAL CONTROL MACHINES. Universum: технические науки, (5-6), 15-17.
12. ugli Tokhirov, A. I. (2021). Technological process development using CAD-CAM programs. Science and Education, 2(6), 288-291.
13. Tokhirov, A. I. U. (2021). Technological process development using CAD-CAM programs. Science and Education, 2(6), 288-291.
14. TOKHIROV, A., & MARASULOV, I. (2021). Control models and information system of cotton storage in the claster system. UNIVERSUM, 12-18.
15. Ogli, I. M. R., & Ogli, T. A. I. (2021). A Role of Mechanical Engineering in Mechatronics. JournalNX, 824-828.
16. Djurayev, A. D., Tokhirov, A. I., & Marasulov, I. R. (2022). CLEANING COTTON FROM SMALL DIRTY. Universum: технические науки: электрон. научн. журн, 3, 96.
17. A'zamjon, T. (2022). ROBOTOTEXNIKA MAJMUALARINING AVTOMATLASHTIRILGAN ELEKTR YURITMALARINI QO'LLANILISH SOHALARI. Involta Scientific Journal, 1(6), 3-9.
18. A'zamjon, T. (2022). ROBOTOTEXNIKA MAJMUALARINING AVTOMATLASHTIRILGAN ELEKTR YURITMALARINI QO'LLANILISH SOHALARI. Involta Scientific Journal, 1(6), 3-9.
19. Marasulov, I. R., & Toxirov, A. I. (2021). A role of mechanical engineering in mechatronics. Journal NX–A Multidisciplinary Peer Reviewed Journal, 824-828.
20. Tokhirov, A. I. Methodology of teaching three-dimen modeling using the program «KOMPAS 3D». Eurasian Journal of Academic research Innovative Academy Research

Support Center/[Электронный ресурс].–Режим доступа: https://doi. org/10.5281/zenodo, 4718298.

21. Tokhirov, A. (2021). APPLICATION PROCEDURE CAD (No. 6, p. 87). CAM/CAE–SYSTEMS IN SCIENTIFIC RESEARCH//Universum: technical sciences: a scientific journal.

22. Ibrohim o'g, T. A. Z. (2022). Robototechnics And Technical Sets Application Of Automatic Electric Power Supplies Fields. Open Access Repository, 8(6), 92-96.

23. Джураев, А. Д., Далиев, Ш. Л., & Тохиров, А. И. У. (2022). РАЗРАБОТКА ЭФФЕКТИВНОЙ КОНСТРУКТИВНОЙ СХЕМЫ ОЧИСТИТЕЛЯ ХЛОПКА-СЫРЦА ОТ МЕЛКОГО СОРА. Universum: технические науки, (9-2 (102)), 26-28.

24. Anvar, D., Azamjon, T., & Islombek, M. (2022). CLEANING COTTON FROM SMALL DIRTY. Universum: технические науки, (3-7 (96)), 9-14.

25. Azamjon, T., & Islombek, M. (2021). CONTROL MODELS AND INFORMATION SYSTEM OF COTTON STORAGE IN THE CLASTER SYSTEM. Universum: технические науки, (11-6 (92)), 12-18.

26. Azamjon, T. (2021). WRITING CONTROL PROGRAMS FOR COMPUTER NUMERAL CONTROL MACHINES. Universum: технические науки, (5-6 (86)), 15-17.

27. Ugli, T. A. I. (2021). USING THE GRAPHICAL EDITOR" КОМПАС 3D" IN TEACHING COMPUTER ENGINEERING GRAPHICS. Universum: технические науки, (7-3 (88)), 38-43.

28. Azamjon, T. (2021). APPLICATION PROCEDURE CAD/CAM/CAE-SYSTEMS IN SCIENTIFIC RESEARCH. Universum: технические науки, (6-5 (87)), 16-19.

29. IR, D. A. T. A. M. CLEANING COTTON FROM SMALL DIRTY.

30. A'zamjon Ibrohim o'g'li Toxirov, Robototexnika majmualarining avtomatlashtirilgan elektr yuritmalarini qo'llanilish sohalari, "Science and Education" Scientific Journal, May 2022 Vol. 3 No. 5 (2022): Science and Education
URL: https://openscience.uz/index.php/sciedu/article/view/3425

31. Toxirov A'zamjon. ROBOTOTEXNIKA MAJMUALARINING AVTOMATLASHTIRILGAN ELEKTR YURITMALARINI QO'LLANILISH SOHALARI. Involta Scientific Journal, 1(6), 3–9.
URL: https://involta.uz/index.php/iv/article/view/159
DOI - 10.5281/zenodo.6519792

32. Djurayev A.D., Tokhirov A.I., Marasulov I.R. CLEANING COTTON FROM SMALL DIRTY // Universum: технические науки : электрон. научн. журн. 2022. 3(96).
URL: https://7universum.com/ru/tech/archive/item/13196
DOI - 10.32743/UniTech.2022.96.3.13196

33. Tokhirov A.I. Writing control programs for computer numeral control machines // Universum: технические науки : электрон. научн. журн. 2021. 5(86).
URL: https://7universum.com/ru/tech/archive/item/11810
DOI - 10.32743/UniTech.2021.86.5.11810

34. Tokhirov A.I. Application procedure CAD/CAM/CAE - systems in scientific research // Universum: технические науки : электрон. научн. журн. 2021. 6(87).
URL: https://7universum.com/ru/tech/archive/item/11836
DOI - 10.32743/UniTech.2021.87.6.11836

35. Tokhirov A.I. Using the graphical editor "Компас 3D" in teaching computer engineering graphics // Universum: технические науки : электрон. научн. журн. 2021. 7(88).
URL: https://7universum.com/ru/tech/archive/item/12076
DOI: 10.32743/UniTech.2021.78.8-3.12076
36. Tokhirov A.I., Marasulov I.R. CONTROL MODELS AND INFORMATION SYSTEM OF COTTON STORAGE IN THE CLASTER SYSTEM // Universum: технические науки : электрон. научн. журн. 2021. 11(92).
URL: https://7universum.com/ru/tech/archive/item/12486
37. Azamjon Ibrohim ugli Tokhirov, “TECHNOLOGICAL PROCESS DEVELOPMENT USING CAD-CAM PROGRAMS”, "Science and Education" Scientific Journal, June 2021
URL: https://openscience.uz/index.php/sciedu/article/view/1561
38. Toxirov A’zamjon Ibrohim o’g’li, “METHODOLOGY OF TEACHING THREE-DIMEN MODELING USING THE PROGRAM “KOMPAS-3D””, EURASIAN JOURNAL OF ACADEMIC RESEARCH Innovative Academy Research Support Center,
URL: https://doi.org/10.5281/zenodo.4718298
39. Marasulov Islombek Ravsjanbek o’g’li,Tohirov A’zamjon Ibrohim o’g’li, “THE IMPORTANCE OF AUTOMATION OF COTTON RECEIVING SYSTEM”, EURASIAN JOURNAL OF ACADEMIC RESEARCH Innovative Academy Research Support Center,
URL: https://doi.org/10.5281/zenodo.4898919
40. Toxirov A’zamjon Ibrohim o’g’li, “QUALITY IN MODERN MANUFACTURING ENTERPRISES THE ROLE OF ROBOTOTECHNICS AND AUTOMATED ELECTRICAL INSTRUMENTS IN PRODUCTION”, EURASIAN JOURNAL OF ACADEMIC RESEARCH Innovative Academy Research Support Center,
URL: https://doi.org/10.5281/zenodo.4968770
41. Islombek Marasulov Ravshanbek Ogli, & Toxirov Azamjon Ibrohim Ogli. (2021). A ROLE OF MECHANICAL ENGINEERING IN MECHATRONICS. JournalNX - A Multidisciplinary Peer Reviewed Journal, 824–828.
URL: https://repo.journalnx.com/index.php/nx/article/view/1690