

Training Specialists on the Basis of the Credit-Module Training System

Ulkanov Sardor Sodikjon ugli
Andijan mechine-building institute
"Department of vehicle engineering"
Tel : +998914830750
Email: sardor.ulkanov.93@mail.ru

Abstract: This is a credit module system essence, education to the system come in to arrive history and our republic higher education to the system current of reaching necessity about word goes. Also credit module in the system study plans, science programs and independent of education features given.

Key words: credit-module, credit-module system functions, methodology, decisions, test credit , higher education, download, independent work, practical training.

Introduction. The credit-module system has been introduced in the educational system of many advanced and developed countries of the world and has its own characteristics in different countries. The appropriateness of the credit-module system can be seen from the fact that it has been introduced into the educational system of the developed countries of the world. In this system, the focus of educational programs on the development of independent work skills in students forms their creative activity and desire to learn, the ability to independently use literature and various information sources, the ability to analyze information and select the necessary ones. This is one of the important factors in improving the quality and efficiency of education.

Credit was introduced for the first time in the 18th and 19th centuries in the US universities and was created in order to liberalize the educational process and determine the weekly academic load of the student.

Harvard in 1869 university President, America of education famous character Charles William Eliot " credit hour " concept to consumption enters. So Thus , in the 1870s and 1880s, credit hours with measurable system current will be done . Credit system with reading and study programs appropriation to students study process independent respectively planning , his quality control do , education technologies improvement for chance by creating gave. Credit collect of measurement the introduction to the student big freedom to give with one in line , in the future chose of the field competitive specialist being to grow for academic the process independent planning also provides the opportunity did The same while , assessment system and education of technologies leading to improvement came.

Institutions of higher education in the Republic of Uzbekistan to the "Regulation on the procedure for introducing the credit-module system to the educational process in higher education institutions" adopted on the basis of the decision of the Cabinet of Ministers of the Republic of Uzbekistan No. 824 of December 31, 2020 are gradually moving to the credit-module system . Independent education of students is based on the credit-module system. It was analyzed that this is an opportunity for students to work on themselves and engage in independent activities in the information environment and focused on the structure of independent education [2].

Methods

The credit-module system is a process of organizing education, based on modular technologies of education, oriented to independent learning, aimed at organizing the educational process in a strictly defined manner and in accordance with the requirements of the labor market. , is an assessment-based education system based on credit measurement (Figure 1).

Implementation of the credit-module system is a laborious and complex system. The main issues of importance in the credit-module system are as follows:

- ensuring independent work of students;

- assessment of students' knowledge based on rating;
- development and improvement of modular teaching technology;
- further improvement of methodical support of science to ensure independent work of students.

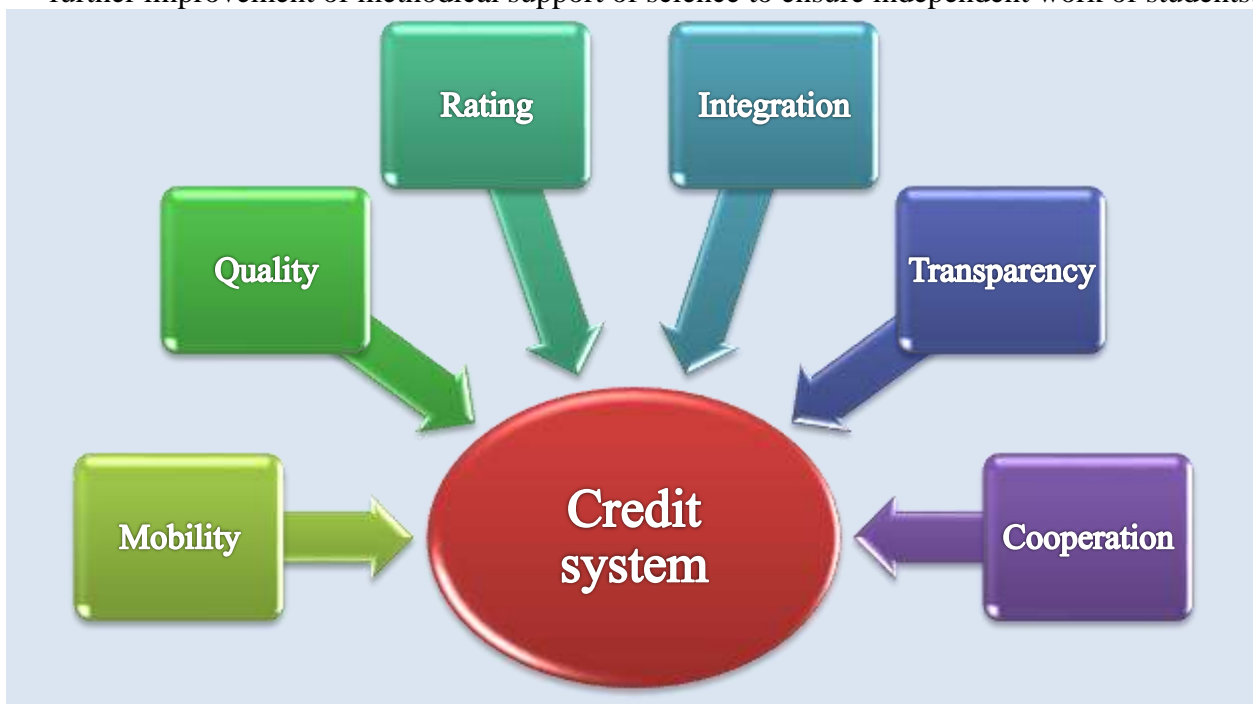


Figure 1 . Credit module system functions

The important point of the credit-module system is that in this system, the curriculum of the subject is structured in accordance with the requirements of the labor market. Subjects in the curriculum are divided into two groups, namely compulsory subjects and optional subjects. Elective subjects make up 50% of subjects in the curriculum, which means that students have an increased opportunity to choose subjects that they are interested in and consider necessary in the future. In the process of teaching students in the credit-module system, teachers are required to have an individual approach to each student and it is necessary to direct the student to independent education. It should be noted that in the credit-module system, students have the right to choose subjects and teachers, as well as the opportunity to work independently (Fig. 2).

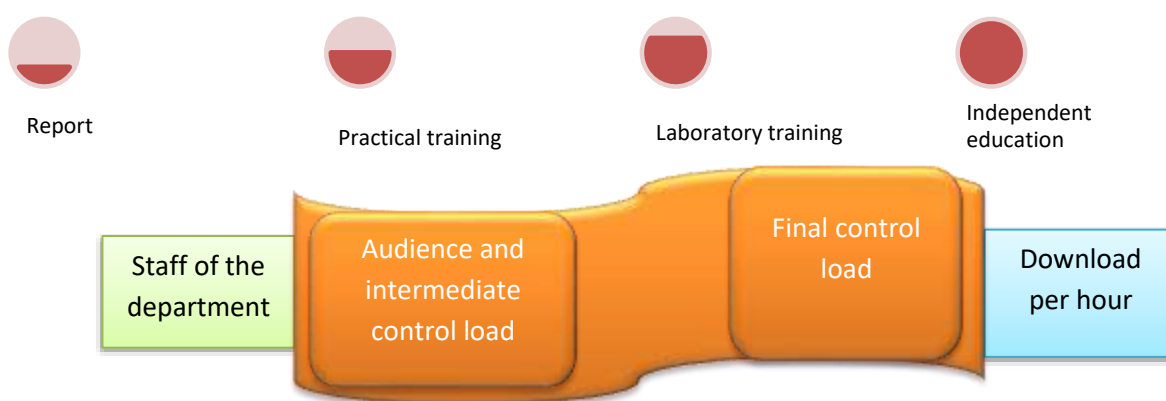


Figure 2. Independent education and transparent evaluation system

credit system determines the required educational load and the time allocated for mastering this or that course or a certain educational program as a whole necessary for

Independent work (50-60% of total hours)

Auditorium for upload (general 40-50 % of the time)

Discussion

Initial to calculations according to, at the university bachelor's degree stage one in the semester study 15 weeks and attestation for 6 (one 3 weeks per semester exams for allocated) week is being allocated . Then in 4 years reading weeks the number is 144, certifications are 24 weeks and common holidays with when calculating a total of 204 weeks organize is doing All education direction and specializations study in plans each one stage sciences two to the part, that is main and selection to the sciences separated without reflection [1, 3].

requirement of ECTS (European credit transfer system). come out , to the student each year **60** from credit **4** year inside total **240** credit collect obligation download is being planned . Then student 4 years during lecture , practical and laboratory training and exam in processes participation to reach **2880** hours , independent to education **4320** hour , total **7200** hours time to spend must will be 1 credit = **12** academic hour + **18** hour independent education organize is enough So 1 credit **30** per hour considered as equal, of the student weekly the audience download **20** per hour equal to Qualified practice for separated credit quantity related subject or sciences at the expense of done increase in the eye caught.

The student evaluation and from the course to the course transfer order.

Results.

GPA (Grade Point Average) is the average value of the student's points obtained by the program, which is calculated using the following formula:

$$GPA = \frac{K_1 * U_1 + K_2 * U_2 + K_3 * U_3 + \dots + K_n * U_n}{K_1 + K_2 + K_3 + \dots + K_n}, \quad \text{in which :}$$

K is every per science module separated loans quantity ;

He is every a science module according to student collected price.

To this example as, 60712500- **Vehicles** 1st year **engineering** students credit module system on the GPA level analysis we do (Table 1).

1- Table .

Module - credit GPA level in the system determination

No	Science qualification name	Subject name	Credit quantity	Received grades
1	Ma1101	High mathematics	15	3
2	Phys1102	Physics	8	4
3	IT1103	Information technologies	5	5
4	Chem1104	Chemistry	4	2
5	His2105	history	4	5
6	FL1108	Foreign language	8	4
7	RL1107	Russian language	4	3
8	ECG1109	Engineering and computer and graphics	10	4

$$GPA = \frac{K_1 * U_1 + K_2 * U_2 + K_3 * U_3 + \dots + K_n * U_n}{K_1 + K_2 + K_3 + \dots + K_n}$$

$$\frac{15*3+8*4+5*5+4*0+4*5+8*4+4*3+10*4}{15+8+5+4+4+8+4+10} = \frac{204}{58} = 3.52$$

GPA=3.52 to equal to

a GPA of 2.4 or higher (including student debt): transfer from course to course by order.

In this case, if a student in debt wants to retake the subject in August 2021 (or in subsequent semesters) according to his wish, he will participate in paid extra classes together with students with a GPA below 2.4. , can master science.

If the GPA is below 2.4 : the student will not be transferred from one course to another, paid additional training will be arranged for him during the summer vacation (from 01.08.2021 to 31.08.2021).

Conclusion

Conclusion by doing in other words, Credit module system student for lesson process good to master, intellectual approach, that's it with together student independent education get for more time is separated . That's it with together students himself wanted science choice, academic interchangeability done increases. From the data even in the online state without difficulty to use, given credit without difficulty remote in case collect can.

Literatures

1. Uzbekistan Republic President of October 8 , 2019 " Uzbekistan Republic higher education system development until 2030 concept confirmation Decree No. PF- 5847 .
2. Uzbekistan Republic Ministers To the decision of the court No. 824 of December 31 , 2020 basically acceptance made " High education in institutions study to the process credit module system current reach order about Regulation ". Tashkent , 2020 .
3. Higher and medium special education Ministry of " Olyiy education in institutions study to the process credit mode system current of reaching organizational issues concerned documents samples confirmation on" Order No. 30 dated January 15 , 2021 .