

Talk about the integration of curriculum ideology and politics in the "C language programming" course in colleges and universities

Hua Zhang*

Chongqing College of Mobile Communication, 401420, Chongqing, China

**Corresponding author*

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Abstract: As an important course for the improvement of students' computer technology level, the course "C Language Programming" is of great significance in the development of college education activities. However, in the process of classroom teaching, due to the high difficulty coefficient of course learning, there is a problem of greater difficulty for students. In order to further improve the effectiveness of curriculum teaching, teachers should continue to carry out curriculum analysis and innovate teaching methods in order to achieve the overall improvement of teaching effectiveness. The integration of curriculum ideology and politics and "C language programming" course teaching can help students to treat the learning of the course scientifically to a certain extent, and promote students' confidence in the course learning. However, how to scientifically integrate in the process of classroom teaching is difficult for teachers and needs to be explored. This paper analyzes the teaching design of ideological and political courses, and attempts to propose strategies for integrating ideological and political courses into C language programming courses.

1. Introduction

As an important course for colleges and universities to cultivate students' overall comprehensive literacy and promote students' ability improvement in all aspects, ideological and political courses are in a very important position in college education. The study of C language course is an important course for students to learn the advanced programming language of computer, which runs through the entire history of computer development. This course contains the basic ideas of programming and is a basic course that science and engineering students must master. However, in the process of specific learning in this course, because the teaching content involves more abstract concepts such as data types and operator signs, the difficulty of students' understanding increases, so there is a problem that students are more difficult to learn. Combining the teaching of ideological and political courses with the "C language programming" course can further optimize the curriculum design and achieve the synchronous improvement of ideological and political education and C language programming course teaching. Therefore, it is of great significance for college teachers to continuously explore the

integration of curriculum ideology and politics in the "C language programming" course of colleges and universities in the process of course teaching, which is of great significance for improving the teaching quality of colleges and universities.

2. Ideological and Political Teaching Design of the Curriculum

2.1. Ideological and Political Teaching has Goals

With the improvement of the level of social development, the requirements of social development for talents in all aspects have gradually increased. It not only requires high-quality talents with professional skills that meet the needs of industry development, but also requires moral literacy that is consistent with the core values of national socialism and has the professional qualities required by enterprises. In order to cultivate professional talents that meet the actual needs of enterprises, colleges and universities need to continuously increase the content of ideological and political courses for college students, in order to achieve the improvement of the overall comprehensive literacy of college students, so as to meet the needs of market development. Therefore, college teachers need to lead students to establish confidence in the socialist road, system and culture in the process of daily teaching activities, integrate patriotism into curriculum teaching activities, promote the enhancement of students' patriotic enthusiasm, and provide more socialist successors for the development of the country ^[1].

2.2. Ideological and Political Courses have Depth

In the process of promoting students' ideological and political education, we should not only limit students' mastery of China's political system and national conditions, but also further enrich the content of ideological and political course teaching, combine the development of the country with social progress and students' actual life, so as to gradually enhance students' moral literacy and political understanding. In the specific course teaching, teachers should not be limited to the materials and content of textbooks, but should also further deepen the content of ideological and political course teaching according to the requirements of the syllabus. Especially in the design of teaching cases, it is necessary to ensure that the design of teaching cases is more grounded and closer to the actual life of students. In addition, teachers of other courses should fully explore the ideological and political elements contained in the courses of their majors when carrying out the teaching of their professional courses, so as to enhance students' ideological and political education in the process of teaching courses in other disciplines ^[2].

For example, when teachers introduce Dennis Ritchie, the "father of the C language", they need to introduce his life and contributions. Teachers can guide students to establish scientific values in the process of teaching, encourage students to study professional courses hard, and continuously improve their abilities. In the future, students will gain certain achievements in their major and make more contributions to the development of society and the progress of the country.

3. Strategies for Incorporating the Ideology and Politics Course into the "C Language Programming" Course

3.1. Do a Good Job of Analyzing Ideological and Political Elements, and Orderly Integrate them into Ideological and Political Content

The integration of ideological and political course teaching content into the "C language programming" course requires teachers to conduct a detailed analysis of the ideological and political

elements in the teaching of C language course before starting specific teaching work. In the analysis of ideological and political elements in C language courses, it is first necessary to analyze and explore the objectives of ideological and political education and the teaching objectives of C language courses, and analyze the relationship between the two, so as to scientifically promote the content of ideological and political teaching on the basis of meeting the teaching objectives of C language courses. For example, in the C program teaching of C language courses, patriotic feelings in ideological and political education can be integrated. In the process of developing C language and teaching the functions of C language, teachers need students to master and understand that programming is the foundation of artificial intelligence and 5G development. In specific classroom instructional advances, teachers can organize program-related things in students' lives. In discussing life-related matters in programming, students can further mobilize their enthusiasm for learning program-related content. Teachers can use the self-service canteen software as an example to carry out the analysis of the program, so as to deepen students' understanding of the program. In the process of guiding students to understand the relevant content of the program, teachers can also guide students to establish lofty ideals and make more contributions to the development of the country and social progress in the future. Second, teachers should also explore ways to integrate. Although ideological and political elements are very important in the teaching of C programming courses, students' knowledge of C language is the main goal of the course. In the process of promoting teaching work, only by adopting appropriate teaching methods can we ensure the synchronous realization of the teaching effects of these two courses ^[3].

3.2. Cultivate Students' Rigorous Scientific Attitude with the Rigorous Structure of C Language Programming

In the process of writing C language programs, whether it is writing processes or debugging programs, a strict scientific attitude is required to ensure the accuracy of program operation. Teachers can write simple programs according to the knowledge of C language that students have mastered. In the process of program writing, students must write the flow of the program according to the designed program specifications. If the student is not careful enough in the specific writing operation, as long as there is a punctuation or symbol input error, then the whole program will not run. In order to ensure the operation of the program, the student must have a rigorous attitude and examine the written program in detail. Through the study of the content of this course, students can understand that they must maintain a responsible attitude in the future work and do their own work seriously to ensure the guarantee of work efficiency and quality. In the future life and work of students, only if students maintain a serious and responsible attitude can they achieve certain achievements ^[4].

3.3. Increase the Intensity of Training and Build an Excellent Team of Teachers

As front-line personnel in education work, only by ensuring that the professional quality of teachers meets the requirements of school teaching can college teachers achieve the goal of school teaching, so as to provide more high-quality talents for the development of various industries in society. In the process of teaching C language programming courses, teachers also need to have professional literacy to achieve the teaching goals. Especially in the process of curriculum teaching, it is necessary to scientifically integrate the content of ideological and political course teaching, which has higher requirements for teachers, and requires teachers to continuously improve their own literacy in order to meet the requirements of school education. In order to build a high-quality teaching team, it is very necessary to continuously carry out training to improve teachers' professional skills. However, in the process of promoting the training of school teachers, it is necessary to do a good job in planning and preparing for training to ensure the realization of training goals. First of all, formulate

a scientific training plan to ensure that the content of the training work meets the actual needs of teachers at this stage. Second, do a good job in the assessment of training. Only by ensuring that teachers can pass the assessment of training in the process of promoting training can the teacher training goals organized by the school be achieved. In the process of formulating assessment standards, the assessment standards should be clarified, and a variety of evaluation factors should be integrated in the process of designing assessment factors to ensure the realization of training effects [5].

3.4. Use the Internet to Enrich Teaching Content

The development of science and technology has provided many aids for the development of education, and the combination of education and the Internet has become a trend in the development of education. In the process of integrating C language programming courses and ideological and political courses, teachers can obtain a large number of teaching resources with the help of Internet technology, so as to ensure the richness and perfection of teachers' teaching content. Moreover, there are a large number of methods on the Internet about the integration of C language programming course teaching and ideological and political teaching content, and teachers can refer to it in the process of teaching design to ensure that the teaching design is more in line with the psychological demands of modern college students, so as to achieve the effect of classroom teaching. In addition, in the process of using the Internet to find teaching resources, teachers can also improve their knowledge reserves, broaden their horizons, and lay a solid foundation for teachers to design better curriculum teaching activities. However, the aspect that needs attention is that teachers need to pay attention to the authenticity of online information in the process of teaching with the help of Internet technology to improve teaching design and enrich teaching content. Especially in the design of some programs, teachers should ensure that they can be run before teaching students work. Moreover, in the process of teaching design, it must be combined with the actual situation of students to ensure that the design of teaching programs meets the actual needs of students, and then promote the improvement of students' C language programming course performance. In addition, the integration of elements of ideological and political courses into C programming courses requires teachers to refine the content of ideological and political education and integrate them into all aspects of C programming in order to achieve the realization of teaching goals. For example, teachers can combine compliance with laws and regulations in ideological and political course teaching with the operator content of C language programming. In the process of C language programming, only students abide by the rules of operation to ensure the stable operation of the program. In this course, teachers can guide students to abide by laws and regulations and abide by the laws of social development.

4. Conclusions

The main goal of integrating the content of ideological and political education into the teaching process of C language courses is to cultivate students' patriotic feelings and the spirit of hard work. Students at the university level are the key stages when they strive to study professional courses and strive to be strong. Only by continuously optimizing the course teaching design and improving the effect of classroom teaching in the process of classroom teaching can we promote the improvement of students' abilities in all aspects and calmly cope with future life and work. C language programming course study is a course that science and engineering students must take during college, and it is an important basic course during university. In the process of C language teaching, the content of ideological and political course teaching is gradually integrated, which has a subtle educational effect on students and can improve students' ideological, moral and political literacy. Therefore, in order to promote the integration of C language course teaching and ideological and political education in

colleges and universities, it is necessary for teachers in colleges and universities to do a good job in course teaching planning in the process of classroom teaching, and constantly analyze the ideological and political elements in the course, in order to promote the development of course teaching in an orderly manner.

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