

Integration and Practice of Ideological and Political Elements Under the Mixed Teaching Mode - Take the Digital Logic and Digital Circuit Course As An Example

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Abstract:

In recent years, with the in-depth development of the new curriculum reform, the school education and teaching cause ushered in new development requirements, the cultivation of students' professional learning ability and comprehensive literacy has become one of the important tasks of curriculum teaching. Ideological and political education is one of the core contents of curriculum teaching. It is not only the key sign to test the quality of curriculum teaching, but also the only way to realize the teaching goal of "cultivating people by virtue". In the current educational environment, the traditional teaching mode has always been difficult to meet the needs of the actual teaching, seriously affect the course of ideological and political teaching effect, and has become the urgent problem to be solved in the process of curriculum reform. Based on this, this paper with hybrid teaching mode as the center, with digital logic and digital circuit course, for example, through the analysis of the traditional teaching mode course ideological teaching situation, try to optimize the course education teaching objectives, actively mining course education elements, innovation course ideological teaching methods, build course education evaluation system put forward specific ideological elements fusion strategy, hope to improve course ideological teaching quality to provide some reference.

Keywords:

Hybrid Teaching Mode, Ideological and Political Elements, Fusion Practice, Digital Logic and Digital Circuit Course

1. Introduction

"All kinds of courses and ideological and political education promote each other, we insist on making morality and cultivating people as the fundamental task of education and teaching", General Secretary Xi Jinping pointed out in the National Conference on ideological and political work in colleges and universities. Mixed teaching is a new teaching mode. On the basis of traditional teaching, it is organically

combined with online teaching to build a learning paradigm of students' active participation and promote students to enter the field of deep learning. It is an important means to innovate the traditional teaching mode and the key measure to promote educational informatization. Under the background of ideological and political teaching, the mixed teaching mode lays a solid foundation for expanding the depth and breadth of ideological and political teaching of the course. Through the use of digital teaching resources and diversified teaching activities, help to promote the ideological and political teaching in the course of natural infiltration of teaching, to improve the course of ideological and political teaching as the key [1]. Under the development conditions of the new era, under the guidance of the unified theory of clear education and implicit education in ideological and political courses, it has become an urgent problem for relevantthe advantage of mixed teaching should be brought into play in the course of ideological and political education of digital logic and digital circuit courses.

2. The Importance of Carrying Out Curriculum Ideological and Political Teaching Under the Mixed Teaching Mode

Under the background of the new curriculum reform, the mixed teaching not only injects new vitality into the teaching activities, but also plays a prominent value in the curriculum ideological and political teaching, which is mainly reflected in the following aspects.

2.1. It is conducive to enriching the ideological and political teaching path of the courses

Curriculum ideological and political teaching has the characteristics of combining dominant and recessive, so it has certain requirements for the effectiveness and diversity of teaching methods. Hybrid teaching should be applied to ideological and political teaching, which can integrate online and offline teaching effectively, and make use of rich teaching resources to prepare teachers to carry out ideological and political penetration education. At the same time, combined with rich teaching activities and teaching means, while transmitting the basic knowledge of the course, it can cultivate students' ideological and spiritual world and humanistic cultivation, which is conducive to enriching the ideological and political teaching path of the course

2.2. It is beneficial to enhance the effectiveness of ideological and political education

The course ideological and political education has outstanding times and ideology. Only through scientific teaching methods can students be promoted to form correct values and learning attitudes. Based on the mixed teaching mode, the ideological and political education and curriculum teaching should be integrated with each other, ideological education from the classroom to the network environment, the course ideological teaching depth and breadth, to guide students from shallow learning into deep learning, help to enhance the pertinence and effectiveness of ideological teaching.

2.3. It is conducive to stimulating the potential educational value of the curriculum

Under the mixed teaching mode, the traditional teaching mode should be reformed and innovated to promote teachers to actively change their teaching concepts and

regard students as the subjects of learning. Teachers should design scientific teaching plans based on the basic situation of students' learning and actual growth needs. In specific course education teaching practice, active use of network tools and information teaching means, fully excavate the teaching material of ideological elements, and innovation students are willing to participate in the teaching methods, improve students' initiative and classroom participation, and form a benign interaction between teachers and students, and to promote "teaching" and "learning" form a unified, to cultivate students core accomplishment and moral accomplishment, to stimulate curriculum potential education value [2]. (Figure 1)

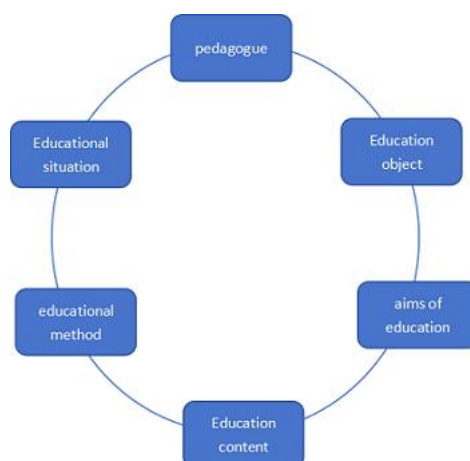


Figure 1. "Six elements" of ideological and political teaching.

3. Under the Traditional Teaching Pattern Carries on the Curriculum Ideological and Political Education the Present Situation Analysis

In the traditional teaching mode, the ideological and political education of the curriculum has been at a standstill, the teaching effect is greatly discounted. There are mainly the following problems.

3.1. The setting of course teaching objectives is not scientific

Digital logic and digital circuit are a basic course. Under the traditional teaching mode, because has not formed the thick curriculum ideological and political teaching atmosphere, resulting in the imbalance of the course teaching objectives. In the course of teaching, teachers pay attention to the transfer of professional curriculum knowledge to students, lack the overall awareness of setting the curriculum teaching objectives, ignoring the value of ideological and political education, lack targeted guidance to students' values and ideological morality, and affect the course ideological and political teaching effect

3.2. Lack of deep excavation of ideological and political elements in the curriculum

In the traditional teaching environment, due to the lagging teaching concept, teaching professional theoretical knowledge and cultivating practical skills has become an important goal of course teaching. In this context, some teachers fail to effectively study the curriculum materials and extended educational resources, and lack of in-depth excavation of ideological and political education resources hidden in digital logic and digital circuit courses, which is easy to cause the reduction of ideological .

3.3. The ideological and political teaching methods are relatively simple

From the previous teaching work of digital logic and digital circuit course, due to the strong theoretical and logical nature, teaching teaching has become the main implementation mode of course teaching. Therefore, the ideological and political teaching method of the curriculum is relatively simple. When Some teachers carry out ideological and political education is only blunt to explain the ideological and political theory to students, forming the “diaphragm” between the curriculum teaching and ideological and political education, which seriously limits the important nature of the ideological and political play in education.

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4. Practical Strategy of Integrating Ideological and Political Elements Under the Mixed Teaching Mode - Take the Digital Logic And Digital Circuit Course As An Example

Mixed teaching mode is a comprehensive teaching method, which provides a smooth way to carry out curriculum ideological and political teaching. This paper takes the digital logic and digital circuit course under the mixed teaching mode. The specific contents are as follows.

4.1. Optimize the curriculum ideological and political teaching objectives

Under the current educational environment, China's industrial economy has entered the development stage of transformation and upgrading, and the standard for talent demand has undergone profound changes. Therefore, in order to give full play to the advantages of hybrid teaching in ideological and political teaching of digital logic and digital circuit courses, teachers should pay attention to the optimization of ideological and political education objectives, knowledge, ability and emotional values of the objectives of integration, for the implementation of ideological and political education elements to provide the basis for infiltration. [3] (Figure 2)

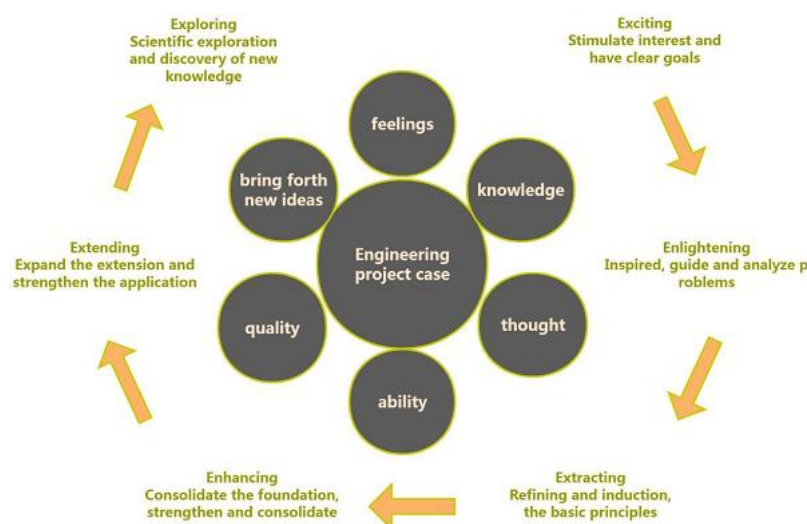


Figure 2. Core objectives of ideological and political teaching.

Taking digital logic and digital circuit curriculum as an example, teachers should improve their ideological understanding, combine the connotation of curriculum standards, subconsciously to infiltrate the ideological and political objectives into the

mixed teaching content, and formulate scientific ideological and political teaching objectives. For example, at the level of knowledge, lead students to understand the relationship between digital logic and other science and technology, deeply understand the role of digital logic in promoting the change of production mode in modern society, and lay the foundation for students to change their learning attitude and establish a correct view of science and technology; in the ability level, help students to establish scientific professional learning attitude, form learning methods suitable for themselves, stimulate their innovative thinking consciousness and exploration spirit; at the level of emotional values, cultivate the rigorous scientific attitude of scholars, and form good humanistic accomplishment and social feelings, and Set up a scientific outlook on the world, outlook on life and values.

4.2. Actively explore the ideological and political elements of the curriculum

Digital logic and digital circuit course are required courses for electronic information engineering, automation, communication engineering and other majors. The course content is closely related to the current digital intelligence social life. For example, digital logic and digital circuit course contains rich basic science, formula theorem and method process. The shallow function is to cultivate students' professional theoretical knowledge and practical innovation ability, while the deeper function lies in the contemporary value and educational function of the course content. Ideological teaching practice, therefore, under the hybrid teaching mode, teachers should make full use of combining online and offline teaching methods, need to actively excavate the hidden ideological and political elements, guide students to master the basic knowledge and practical skills at the same time, the ideological spiritual world have good influence infection, help them set up the correct learning attitude and professional ethics accomplishment.

4.3. Innovative curriculum ideological and political teaching methods

Mixed teaching mode has the characteristics of comprehensive, information and open, and has become an important means to penetrate the ideological and political teaching. In the practical teaching, teachers should be good at activating educational thinking, extending teaching vision, take mixed teaching as the origin, continuously innovate the ideological and political teaching methods, effectively stimulate students' awareness of participation, enhance the practicality and interactivity of teaching activities, and consolidate the ideological and political teaching effect [4].

For example, in the teaching practice of digital logic and digital circuit course, teachers should make full use of online teaching tools such as "learning communication", "rain classroom" and "MOOCs" to form a combination of online and offline teaching mode. According to the characteristics of the course content, teachers actively explore the hidden elements of ideological and political education, use story scenes to penetrate the ideological and political education to penetrate the story scenes, and presents it to the students' learning end in the form of youth corpus, so as to further stimulate the students' enthusiasm for learning. Using online cohesion teaching mode, promote information technology and course education teaching depth fusion, course education teaching extends to the network environment, actively use online teaching module push, class discussion, answering questions after class, guide students to fully grasp the learning initiative, in the course of basic theory knowledge and practical skills at the same time, lead the students scientific understanding this

course for the comprehensive healthy development of important value, help students to form a scientific learning concept and ideological and moral cultivation.

4.4. Build a curriculum ideological and political evaluation system

Teaching evaluation is one of the important links of teaching implementation, and also the key way to consolidate the teaching effect and promote the reflection of teachers and students. Under the mixed teaching mode, teachers should build a scientific, comprehensive and continuous teaching evaluation and feedback system based on the concept of “education based on students’ learning effect”, according to the characteristics of digital logic and digital circuit curriculum and the content of ideological and political education, so as to ensure the formation of unity with the curriculum ideological and political education. In the specific practice process, teachers should make full use of the advantages of online teaching system, develop real-time answer, answer, testing and other modules, and form a teaching evaluation model of integrated information collection, quantitative analysis and accurate improvement. In addition, teachers can also use questionnaires, scale and other offline evaluation path, let students become the master of the “master” evaluation, guide it to participate in self-evaluation, mutual evaluation, teacher evaluation, etc., the ideological learning process, homework practice and course performance for independent evaluation and feedback, combining process and results of evaluation system, further deepen the course ideological education effect.

5. Conclusions

Combined with the above discussion, under the current education and teaching environment, the teaching reform has entered a key historical node, and the curriculum ideological and political construction has become an important trend of the modern development of teaching work. In digital logic and digital circuit course teaching, teachers should enhance the education responsibility consciousness, attaches great importance to the important value of ideological education, and give full play to the advantages of hybrid teaching mode, by optimizing curriculum, mining ideological education elements and innovation education teaching means, build up dynamic, openness, informatization of hybrid ideological course teaching mode, to achieve “khalidents” teaching fundamental task to lay the foundation.

Conflicts of Interest

The authors declare that there is no conflict of interest regarding the publication of this article.

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