Research on the Cultivation of Applied Talents and the Construction of Ideological and Political Education Based on Computer

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Abstract. With the trend of multilateral development in the world, the social requirements for other aspects of high-end professional talents are also raised, among which the level education bears the brunt. Only with a good education in ideology and politics can modern professional applied talents more easily show concentration and enthusiasm in their major, as well as other professional virtues. Based on computer technology, we studies and analyzes the combination of professional knowledge education.

Keywords: Computer, Professional Applied Talents, Ideological and Political Education

1. Introduction

Since the implementation of China's educational reform, the goal of talent training is no longer to enhance a single aspect of professional ability, but to cultivate all-round development of talent. At present, colleges and universities generally study an innovative teaching method, that is, the combination, and the combination of professional curriculum and ideology and politics[1]. In today's competition of science and technology and talent, colleges and universities should take "applied" talent training as the purpose of school education development. Under the social background and characteristics of the growth of college students in today's computer technology environment, colleges and universities should respond to the call of the state, keep up with the pace of the times[2].

2. The current situation of ideological and political teaching in traditional applied talents training

2.1. Inadequate system

In the construction and transformation of teaching based on applied talents training, most teachers and leaders take more care of the development of professional disciplines, from the designated training scheme to the design of practical training tasks, as well as the activities of building practice bases[3]. All spent a lot of energy and effort. Only for theory courses for college students, it has not been implemented in practice. For how to carry out and organize relevant courses, so that each student can benefit from it, there is a lack of supporting overall planning and system guarantee.
2.2. System incomplete
It is the general name of several courses, different courses belong to the management of several teaching and research departments, taught by different teachers, divided into several semesters, if there is no reasonable overall planning, in the development of practical teaching, it inevitably leads to the lack of matching courses and programs and the inconsistent practice form. In the actual teaching, the teaching and research departments are generally only responsible for formulating their own teaching plans and curriculum contents, and the lack of communication between the various courses leads to the systematic and holistic lack of practical teaching in it[4].

3. The significance of teaching reform in ideological and political course for cultivating professional applied talents
College education is an important channel to transport talents for the development of society. As the pillars of our country's future social and economic development, it is very important for college students to establish a correct outlook on life, world outlook and values. The popular development of university education shows the importance of cultivating applied talents. The political quality and ideological and moral connotation contained, so they become compulsory courses for college students[5]. The idea of ideological and political teaching system based on computer is shown in figure 1:

![Figure 1. Ideas of ideological and political teaching system for courses under the concept of cultivating applied talents in computer science.](image)

4. Principles to be followed in the training of professional applied talents

4.1. Reverse design principles
Reverse design refers to the course design based on the final results achieved by students' knowledge, ability and quality, to push back what to learn, how to learn and how to learn, and what to teach, how to
teach and how to teach. The peak achievement that graduates should obtain is not only the starting point but also the foothold of talent training, and ensures the consistency between talent training goal and final learning achievement to the greatest extent. In order to realize the students' expected learning results, educators, starting from the internal and external needs, adhere to the logical thinking of reverse design and positive implementation, determine the goal of talent training, formulate graduation requirements, construct curriculum system.

4.2. Principle of integration
All-round development and personality development complement each other. All-round development refers to the full development of students' various qualities, potential, hobbies, talent and character, and can show their personality and maintain their true character. Personality development is the inevitable requirement of all-round development. All-round development lies in personality development. If we leave personality development, then all-round development will be eclipsed. Applied talents not only cover the complete scientific knowledge structure, ideological values, but also cover the experience and skills applied to real life and work, cultivate applied talents with both moral and talented abilities, regard applied talents as the main body of development with initiative and initiative, arouse the enthusiasm of learning, highlight personality, recognize personality differences, tap advantages and potentials, pay attention to teaching according to their aptitude, comprehensively apply various teaching methods and strategies, cultivate students' personality specialties, and ensure the all-round improvement of students' knowledge, ability and quality.

4.3. Principles of joint cooperation
Industry, enterprises and other employing units not only know the level, type, structure and specifications of applied talents in the field of their own industry, but also understand the shortcomings of graduates in knowledge, ability and quality and to be improved, and can give forward-looking suggestions. Universities cooperate with industry, enterprises and other employing units. We should jointly set up practical courses, optimize the curriculum system, jointly develop teaching materials, update teaching contents and teaching methods, jointly build practical teaching bases, set up double-qualified teaching teams to jointly implement the process of training applied talents, strengthen the employability and post adaptability of applied talents, and jointly guarantee the quality of training applied talents.

5. The reform strategy of ideological and political course teaching based on computer

5.1. Using computer to build the integration system of professional technology and ideological and political curriculum
Teachers compile the syllabus and formulate the curriculum ideological and political implementation plan. First of all, we should compile the syllabus, take the professional theoretical knowledge as the carrier, fully excavate the ideological and political contents related to the actual life in the professional knowledge, and carry out the moral education into the syllabus. Then according to the syllabus, the teacher formulates the curriculum ideological and political implementation plan, compiles the teaching plan, studies the curriculum ideological and political reform teaching experience, optimizes the teaching method, completes the specialized course and improve students' ability to use ideological and political thinking to analyze theory and solve practical problems such as production and life, and better promote the all-round development of students.

5.2. Using computer data analysis to provide teaching to meet students' practical needs
Teachers should choose the breakthrough point of teaching content properly, so that students can pay more attention to the practicality and application value of knowledge under the premise of mastering the basic principles, and follow the basic principles of adequacy and necessity. It is necessary to point out that the knowledge and learning process imparted can meet it, and adequacy means that the logical
tightness of the subject system is no longer pursued, but the practical and practical value of the teaching content is emphasized. Therefore, the ideological and political teaching based on the cultivation of applied talents does not require students to master the advanced theoretical system, but neglects its specific practical needs. Modern enterprises should not only test the solid professional and technical ability of practitioners, but also pay attention to their professional accomplishment. This requires college students to learn basic professional knowledge, but also to strengthen the teaching content closely related to professional literacy, cultivate good behavior norms, effectively achieve zero distance docking with employment posts, and actively adapt to corporate culture. Teachers should introduce the contents of corporate culture in teaching, create a cultural atmosphere in line with corporate culture with the help of classroom environment, and cultivate and edify students' corporate culture consciousness and professional spirit imperceptibly. Figure 2 shows the structure of professional applied talents training according to actual needs.

Figure 2. Structure of professional applied talents training according to actual demand.

5.3. Enriching multimedia technology to enrich teaching content

The basic requirement of enriching teaching content is that the teaching content between teachers and students. Teachers should select the correct content as the entry point of education when they fully understand the needs of students. Finding the right entry point is to find a point in the huge knowledge system and spread it to the face according to the needs of the students. This can but also make the content of knowledge more thorough, students' acceptance is higher. According to the professional content and the employment needs of the society, it is necessary for teachers to make flexible adjustments to the teaching content under the condition of high quality of enough.

6. Conclusion

It is the requirement and expectation of the state and the society to improve the teaching quality of applied talents by reforming the teaching material arrangement, changing the curriculum subjects and changing the teaching mode. In the process of cultivating applied talents, it is necessary to keep pace with science and technology, make good use of computer technology, and combine the current situation, national conditions and international conditions, as well as core values. Only by using political and ideological education can we cultivate talents with both morality and talent.

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