

Research on the integration of Ideological and Political Course and Computer Operating System

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Abstract: The integration of Ideological and political courses and computer professional courses is a good choice to achieve the same direction and parallel of all kinds of courses. Taking computer operating system as an example, this paper discusses the method of Integrating Ideological and political education with professional courses. Through the integration, not only can cultivate students' professional knowledge, but also can improve their ideological and political literacy, so that students' sense of social responsibility and practical skills can develop simultaneously.

1. Introduction

From the general secretary President Xi Jinping's Conference on Ideological and political work in Colleges and universities, he stressed that the ideological and political work should run through the requirements of and run through the whole process of education and teaching [1]. The purpose of Ideological and political theory teaching in Colleges and universities is to cultivate students' correct outlook on life, world outlook and values. Therefore, ideological and political education in Colleges and universities poses a challenge to educators [2]. We should adapt to the current situation and keep pace with the times. In the process of constantly changing teaching ideas and innovating teaching contents, we should better respond to the problem of "what kind of people to train, how to cultivate people, and for whom". In addition to teaching students professional knowledge and skills, professional courses in Colleges and universities also make students feedback their learned skills to the socialist society through the guidance of Ideological and political education, so as to better contribute to the construction and development of communism. This paper takes the computer professional course "operating system" as an example, discusses how to integrate the ideological and political thoughts into the professional courses while teaching the professional courses. It can not only let students understand the professional knowledge from another angle, but also improve their ideological and political literacy. In order to enter the student society and reflect the social responsibility of contemporary college students, we should recognize and maintain professional practical skills to provide the basis for parallel development. The following is a description of its feasibility, integration mode, precautions and key points.

2. The Feasibility Study of Developing Ideological and Political Teaching in the Course of Computer Operating System

Computer operating system (abbreviated as COS) is a required course for computer major. COS itself is a bridge between computer hardware and application software. Through its functions, users can easily manage the software and hardware resources of the computer. COS is one of the compulsory courses in National Computer Rank Examination, Computer Software Level Examination and Graduate Examination. Therefore, COS is the cognitive role and position of computer professional students in computer knowledge structure is extremely important.

The principle and algorithm of COS are very close to the phenomena and principles of nature. It is feasible to carry out ideological and political education in COS course as the following:

▪ COS is a kind of system software which manages computer hardware resources and software resources. It's similar to people with souls and beliefs. Therefore, the ideological and political education in the ideological and political course can make students understand and master the contrast between the two.

▪ The teaching emphasis of COS course is processor management, storage management, file system, device management, user interface and so on. The teaching process is based on logical thinking, which corresponds to our ideological and Political Theory: "as long as the theory persuades people, it can master the masses; as long as the theory goes deep, it can persuade people"[3]. It can guide students to use theoretical knowledge to analyze problems in reality and persuade students with in-depth theoretical analysis.

▪ As we all know, the cos we use is mainly Microsoft Windows system. For domestic cos, such as Deepin, SPGnuX, Kylin and many other COS, the utilization rate is still low. Through the use and learning of domestic COS in the course teaching process, students can establish good patriotism thought, which plays an important role in promoting the development of domestic COS.

3. Integration of Ideological and Political Teaching in Professional Courses

3.1. Integration of Teaching Mode in Ideological and Political Theory Course

From the central government to the local government, the ideological and political course teaching has been scientifically planned and a standardized and reasonable teaching mechanism has been established. Computer science and political science courses can be used for reference. In the course teaching, teaching reform should be carried out in a planned way. When teaching, we should focus on the cultivation of students' ability to accept and master. The key students in the class should be selected into advanced students, and the backward students should be driven by the power of demonstration and example. Through the progress of a few people, most students have learned the course. This is also the theoretical application of "a few get rich first and then drive the majority to become rich".

3.2. Make the Specialized Course Teaching in Colleges and Universities Play an Auxiliary Role of Ideological and Political Teaching

The ideological and political course teaching in Colleges and universities is the direct channel of Ideological and political teaching for college students, and professional courses are the major contents of students of different majors. Through the integration of Ideological and political education content into professional courses, on the one hand, it not only expands the auxiliary channels of Ideological and political courses in Colleges and universities, but also makes transposition thinking on students' further understanding of professional knowledge. It can also realize the ideological and political work throughout the whole process of education and teaching, and realize the ardent requirements of the whole process and all-round education.

4. On the Integration of Ideological and Political Courses and COS Courses

4.1. Professional Course Teachers' Ideological and Political Consciousness, Quality and Ability

Ideological and political education, generally in ordinary colleges and universities to set up a period of time courses or occupy a small part of students' professional learning time. The teaching of professional courses occupies most of the learning process of college students, which makes professional teachers the main personnel to promote the integration of Ideological and political courses in professional courses. The ideological and political consciousness and ideological and political quality of professional course teachers are the important factors affecting students' Ideological and political outlook. Therefore, the ideological and political requirements of professional teachers are very important. In Colleges and universities, most teachers are party members. In the learning activities of Party members in various colleges of our university,

cultivating the ideological and political awareness of professional course teachers is a powerful way to carry out professional course teachers and an important measure to make up for the short board of professional teachers' Ideological and political awareness. In our school's promotion of "learning power app" integral requirements, for non party teachers, it is also an effective tool for learning ideological and political theory and literacy. The promotion of these activities or applications provides promotion space for professional course teachers to enhance their ideological and political awareness and ideological and political literacy and ability.

4.2. In the Professional Courses to Explore the Ideological and Political Elements

In the teaching of professional courses, we need to pay attention to the organic combination of Ideological and political education, rather than pull hard. It should also be noted that not all the professional knowledge can be put into the ideological and political thought in the teaching of professional courses. Some knowledge content explained by natural life phenomenon will make students better understand its principle. Because some ideological and political theories are higher than the current students' cognitive level, if it is used as a professional course and integrated into the ideological and political thought, it will make students feel disgusted with the ideological and political content, and then it will damage the knowledge system of professional courses[4]. Therefore, we should try our best to find the right fit point between Ideological and political courses and professional courses. In addition, the ideological and political theory in our country is not immutable. In the ideological and political theory integrated into the professional courses, we should also consider the fresh problems that students pay attention to and guide them according to the situation. Otherwise, we have been teaching with the previous political theory, and have not reached the latest theoretical cognition, which is a misunderstanding of the ideological and political theory and a tacit adherence to the stereotypes.

4.3. Make Full Use of the Effective Carrier of Micro-Era to Promote the Combination and Complement of Ideological and Political Thoughts and Professional Knowledge

As mobile phone TikTok and Kwai media are developing efficiently and quickly, with the development of mobile phone technology and mobile communication technology, the public, especially those who quickly receive new things, will enable interactive interaction to enter the "micro era" [5]. Therefore, in the hands of college students, a smart phone, the traditional teaching has fallen behind the trend of the development of the times, can not meet the students' thirst for new professional knowledge, let alone the ideological and political thought in professional courses. This makes our educators not only innovate the teaching mode, but also make full use of the Internet, mobile phone and other new technologies and tools to carry out professional teaching, at the same time, better serve the professional courses, and provide complementary advantages for the ideological and political theory into the professional content.

5. Conclusion

With the rapid development of new generation information technology, such as Big Data, Internet of things, AI, Block Chain, 5G, etc., as well as the strong support of the state for high-end technology. On the one hand, professional teachers need to constantly enrich the teaching content and improve their teaching ability. On the other hand, they should also pay attention to the grasp of political ideology, so as to cultivate excellent Communist successors who not only understand the specialty, but also serve the society well and listen to the party's command for the country and society.

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