Research and Exploration on Ideological and Political Construction of University Computer Basic Course

Zheng-Guo ZHU

School of Mathematics and Computer Science, Panzhihua University, Panzhihua, Sichuan, China

Keywords: Course Ideology and Politics, Ideological and Political Education, Professional Education, Course Moral Education

Abstract. All along, all kinds of courses mainly impart knowledge to students, and ideological and political education is mainly carried out through ideological and political theory courses. Starting from the connotation of "curriculum ideological and political education", this paper introduces the necessity of promoting the construction of "curriculum ideological and political education", and puts forward some ideas for the construction of the ideological and political education of computer basic courses in universities.

1. Introduction

In order to further study and implement the spirit of the National Conference on Education, the National Conference on Ideological and Political Work in Colleges and the Spirit of the National Conference on Undergraduate Education in Colleges and Universities in the New Era, carry out the fundamental task of establishing morality and cultivating people, comprehensively promote the construction of first-class undergraduates, give full play to the role of the main channel of curriculum teaching in ideological and political work in colleges and universities, and promote the reform and innovation of political education and teaching, strengthening dominant ideological and political education, embodying the spirit of craftsmen, promoting socialist core values, realizing ideological and political curriculum, integrating ideological and political education curriculum, and building an all-round educational personality bureau for the whole process, we begin to study the ideological and political construction of the course in the basic computer courses of universities.

2. The Nature and Purpose of the Course

University computer foundation is a public basic course for non-computer majors and an introductory course for computer application. Through the study of this course, students can grasp the basic knowledge of computer and use computer skillfully to solve some practical problems. To cultivate students' self-study ability, practical ability and ability to solve practical problems, and the ability to use basic concepts of computer science to solve problems, so as to enable students to have higher computer operation ability, lay a good foundation for students to study computer-related courses in depth, and is also a tool for non-computer majors to learn professional courses well.

3. The Related Work that Has Been Carried out in the Early Stage of this Course

(1) Small class teaching. From the original classroom to the computer room, a class of 40 people, combined with practice, students and teachers can fully interact, and can integrate ideological and political education into all aspects of teaching. Learning effect is good.

(2) Mixed teaching is adopted. In December 2017, a successful project (the first batch of mixed teaching course construction projects of Panzhihua University) was established. The system has been...
used for two years in the online teaching platform of Tsinghua University. The effect is good. It has greatly changed the traditional teaching mode, realized the learning mode of combining online and offline, and better integrated the ideological and political education of the course into the whole teaching process.

(3) Model courses. In March 2019, we successfully set up the "Demonstration Course of Panzhihua College in 2019", which can better show the contents, methods, teaching means and ideological and political ideas of university computer foundation teaching to all teachers and students.

(4) In February 2016, a textbook of University Computer Foundation was published, which contains ideological and political education.

4. Ideological and Political Connotation of Curriculum

Course ideological and political education refers to a comprehensive educational idea that all kinds of courses and ideological and political theory courses are in the same direction in the form of building the personality Bureau of the whole staff and the whole course, so as to form a synergistic effect and regard "building people by virtue" as the basic task of education.

The construction project of "ideological and political course" must be politically correct, and ideological and political education and professional learning should be organically combined to achieve the goal of "trinity" of value guidance, ability training and knowledge imparting. Guided by Marxism, we should implement Xi Jinping's socialist educational thought with Chinese characteristics in the new era, emphasize value guidance, excavate various elements of ideological and political education and integrate them into all aspects of teaching.

5. Construction Principles

5.1. Political Correctness

We should adhere to the correct political orientation, give full play to the role of ideological and political education, form synergies and enhance the joint efforts of education. All kinds of courses go hand in hand with the ideological and political theory courses, emphasizing the Marxist leading role of the ideological and political theory courses.

5.2. Organic Integration

Deeply excavate the ideological and political education resources contained in the curriculum, strengthen the orientation of education in the curriculum objectives, and integrate the elements of ideological and political education in all teaching stages.

Integrate ideological and political education with professional knowledge teaching, skillfully infiltrate ideological and political education into the whole teaching process, cultivate students' correct attitude towards nature, society and self, and form a harmonious relationship with it. Course moral education carries out moral education through curriculum learning, which is the most important activity of students in school.

5.3. System Construction

Explore the explicit and implicit ideological and political education resources contained in professional courses. All kinds of disciplines have their own specific knowledge system. Therefore, the relevant professional course teachers need to clarify the ideological and political education resources on the basis of clarifying the discipline system, so as to achieve the unity of professional knowledge imparting and education objectives. Only by breaking the thinking bondage of the original disciplines and
putting education at the top of the curriculum teaching, can we realize the fundamental task of educating people and cultivating morality.

6. Ideological and Political Construction Scheme of University Computer Basic Course

6.1. The Target of Course Morality Education

(1) Compliance with the law: We should legally use the computer knowledge we have learnt, and we should not use the knowledge we have learnt to do illegal things.

(2) Honesty and trustworthiness: When using computer technology to work, we should be honest, keep promises and do our duty.

(3) Aigang Dedication: Understanding the laws and regulations related to computer technology, fully understanding the role and position of computer technology employment in social economy, abiding by professional norms in learning and social practice, and possessing professional ethics.

(4) Patriotic Party and patriotism: Understanding the computer technology and cultural history of the motherland, and building the ideal and belief of patriotism.

(5) Dedication to society: Ability to use computer knowledge to serve enterprises and society.

(6) Road self-confidence: Road self-confidence is the confidence of the direction of development and future destiny. Adhering to road self-confidence is to firmly follow the socialist road with Chinese characteristics, which is the only way to realize socialist modernization, the objective truth repeatedly proved for modern history, the fundamental guarantee for the Party to lead the people from victory to victory, and the fundamental for the Chinese nation to prosperity and prosperity, and for the Chinese people to live happily.

(7) Confidence in theory: Confidence in theory is confidence in the scientificity and truth of Marxist theory, especially the theoretical system of socialism with Chinese characteristics. To adhere to theoretical self-confidence means to firmly understand the rule of the Communist Party in power, the law of socialist construction and the law of human social development, and to firmly realize the great rejuvenation of the Chinese nation and create a better life for the people.

(8) Institutional self-confidence: Institutional self-confidence is the self-confidence with institutional advantages of the socialist system with Chinese characteristics. Insisting on system self-confidence means believe that the socialist system has great advantages, that it can promote development and maintain stability, and that it can guarantee the people's rights of freedom, equality and personal and property rights.

(9) Cultural self-confidence: Cultural self-confidence is the self-confidence of the cultural advancement of socialism with Chinese characteristics. Insisting on cultural self-confidence is to stimulate the Party and people's historical pride in the excellent traditional Chinese culture, and to form a general consensus and value recognition of the core socialist values in the whole society.

6.2. Integration Points of Ideological and Political Education

(1) The development trend of computer: At present, the fastest computer in the world is in China, which stimulates students' sense of pride in their major, confidence in the development of the industry, sense of mission of the Chinese road, and forms the ideal of serving the country with science and technology.

(2) Supercomputers: Teach students the achievements of our country's supercomputers. In the fields of strategic nuclear weapons, space technology, weather forecasting, nanotechnology and laser technology, educate students to strive for the realization of the Chinese dream of the great rejuvenation of the Chinese nation.
(3) When teaching scientific computing, data processing, process control and computer-aided systems, students should be taught to abide by the law and discipline. They should legally use the computer knowledge they have learnt. They should not use the knowledge they have learnt to do illegal things.

(4) When teaching the application of computers, educate students to love their jobs and devote themselves to their work, understand the laws and regulations related to computer technology, and abide by professional norms.

(5) When teaching Windows 7 operating system, we should educate students' road self-confidence and theoretical self-confidence, encourage them to master the core technology and contribute their own strength to the strength of their motherland.

(6) When teaching office, educate students to use the computer knowledge they have learned to serve enterprises, the willingness and ability to serve the society, love their jobs and devote themselves to their work.

(7) When teaching basic knowledge of network, we should educate students to abide by the law and discipline, and use their computer knowledge legally. We should not use the knowledge we have learned to do illegal things.

6.3. Educational Method and Carrier Way

(1) Self-compiled "University Computer Foundation" textbook, which reflects the ideological and political education of the curriculum.

(2) Revising the curriculum outline, defining the teaching objectives of "curriculum ideological and political education", reforming teaching methods and evaluation methods.

(3) In compiling teaching plans, teachers should base their teaching plans on the syllabus, follow the basic laws of the teaching process, make clear the integration points, teaching methods and carrier ways of ideological and political education, and how to evaluate the teaching effect of moral education infiltration.

(4) Make full use of the comprehensive platform of network teaching, adopt mixed teaching methods, and integrate ideological and political teaching activities into the teaching process.

(5) Changing the assessment methods, assessing the students according to the curriculum objectives and ideological and political indicators, strengthening the ideological and political education of college students with professional skills and knowledge as the carrier, giving full play to the main channel function of the classroom, and reversing the situation that the professional curriculum emphasizes teaching and neglects educating people.

(6) Write a teaching summary, analyze and reflect on the ideological and political teaching effect of the course. According to the results of students' evaluation of teaching and other survey results of learning conditions, focus on the analysis of whether the ideological and political objectives (expected learning results) of the course are reasonable, whether the degree of achievement reaches the expectations, and whether the students are satisfied.

6.4. Teaching Effectiveness

(1) To cultivate students' correct attitudes towards nature, society and self and form harmonious relations with them.

(2) Let students abide by school rules and regulations and have legal awareness.

(3) Make students honest, keep their promises and do their duty.

(4) Let students love their jobs and devote themselves to their work.

(5) Let students love the Party and patriotism.

(6) Let students have the willingness and ability to serve enterprises and society.
(7) To better mobilize students' enthusiasm for learning, and effectively improve the effectiveness of ideological and political education.

(8) Stimulate students' sense of pride in their major, confidence in the development of the industry and sense of mission of China's road, and form the ideal of science and technology serving the country.

7. Summary

Integrate ideological and political education with professional knowledge teaching, skillfully infiltrate ideological and political education into the whole teaching process, cultivate students' correct attitude towards nature, society and self, and form a harmonious relationship with it. Course moral education carries out moral education through curriculum learning, the most important activity of students in school. Combining professional characteristics, this paper explores the teaching mode of combining "basic knowledge and technology application", integrates all kinds of ideological and political teaching activities, solves the problems encountered in practice, exercises students' will quality, and improves their collaborative ability and strengthens their innovative spirit. Through case-based and heuristic teaching, we can realize the guidance of imparting knowledge and penetrating value, stimulate students' pride in their major, confidence in the development of the industry and sense of mission of the Chinese road, and form the ideal of striving for science and technology to serve the country.

References

[1] Zhu Guangfu, Peng Wei, Liu Liu. Ideological and Political Construction of Logistics Cost Management Course in Higher Vocational Colleges [J]. Journal of Chongqing Electric Power College, 2019, 24 (03): 53-55.

[2] Zhang Xiaotian. Thoughts on the Construction of Course Ideology and Politics in Higher Vocational Education under the Background of Big Data [J]. Journal of Multimedia and Network Teaching of China (Mid-term), 2019 (06): 169-170.

[3] Han Xianzhou. Several key issues to be grasped in deepening the construction of curriculum ideological and political work [J]. Journal of Beijing United University (Humanities and Social Sciences Edition), 2019, 17 (02): 1-6+15.

[4] Zhao Hui. Research on the Optimizing Path of the Construction of "Course Ideological and Political Education" in Universities [J]. Journal of the Party School of Taiyuan Municipal Committee of the Communist Party of China, 2019 (02): 65-66.

[5] Lin Yuliang. Realistic Opportunities and Innovative Path for the Construction of "Course Ideology and Politics" in Colleges and Universities [J]. Journal of Liaoning Institute of Education Administration, 2019, 36 (02): 54-57.

[6] Li Shanxia, Lin Hanmei, Huang Wei, Quikena, Bansheng. Discussion on the ideological and political construction of gynecology and obstetrics courses in Universities [J]. Journal of Guangxi University of Traditional Chinese Medicine, 2018, 21 (04): 142-144.

[7] Jiao Lianzhi. Practical exploration on the construction of "curriculum ideological and political" under the guidance of the concept of "curriculum ideological and political": Taking Shanghai Electric Power University as an example [J]. Journal of Chengdu University of Traditional Chinese Medicine (Educational Science Edition), 2018, 20 (04): 71-74.
[8] Wu Jingyi, Zhu Liang. The application of learning community theory in Ideological and political construction of university curriculum [J]. Journal of Zhejiang Wanli University, 2018, 31 (05): 107-110.

[9] Fang Jianhong, Liu Qunying. Ways to cultivate good doctors: integrating medical ethics education into curriculum ideological and political construction [J]. Journal of Nanjing Medical University (Social Science Edition), 2018, 18 (03): 238-241.

[10] Academic Affairs Department of Panzhihua College. Demonstration Course Standard of "Course Ideology and Politics" of Panzhihua College [Z]. Demonstration Course Standard of "Course Ideology and Politics" of Panzhihua College, 2019:1-12.

[11] Academic Affairs Department of Panzhihua College. Notice of Panzhihua College on Organizing and Launching the Demonstration Course of "Course Ideology and Politics" in 2019 [Z]. Notice of Panzhihua College on Organizing and Launching the Demonstration Course of "Course Ideology and Politics" in 2019, 2019:1-3.