Exploration on Teaching Reform of J2EE System Design and Development under the Concept of Ideological and Political Curriculum

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Abstract ：J2EE system development technology course belongs to a professional core course in the direction of computer software. This course has a wide range of knowledge, strong technicality and practicality, and is difficult in practical teaching. The course aims to cultivate students' system design and programming ability and professional quality. It is a technology application-oriented course. Curriculum teaching focuses on cultivating students' practical ability. In the current talent market, professionals are not only required to have excellent professional skills, but also need to have good professional quality and ideology and morality, which is also an important direction of talent training and teaching reform at this stage. Therefore, the concept of ideological and political curriculum is applied to the teaching reform of J2EE system development technology to help students establish a good outlook on life, values and world outlook. This paper analyzes the importance of implementing ideological and political curriculum in J2EE system development technology teaching, studies the main problems existing in J2EE system development technology courses in colleges and universities, and explores the teaching countermeasures of J2EE system development technology under the concept of ideological and political curriculum.

Keywords ：Ideological and Political Curriculum; J2EE System Development Technology; Teaching; Reform

1．Importance of ideological and political teaching reform of J2EE system development technology course

J2EE system development technology is one of the core courses of computer software. The J2EE system development technology course contains more theoretical knowledge, which is the key for students to master the ability of computer system development, design and programming. In the course teaching, students should not only master the basic knowledge learned before, but also accelerate the transition from learning programming to enterprise development. For enterprises, they need special talents with certain professional skills and professional quality. Therefore, in talent training, vocational quality and vocational skill education are indispensable.

In the training of technical talents for J2EE system development in traditional colleges and universities, they only pay attention to the cultivation of professional skills of talents and ignore the cultivation of students' professional quality and moral quality. After graduation, these students can not guarantee good professional quality and moral consciousness in their jobs. Therefore, some talents use their own technology for personal interests. This is a potential crisis for relevant enterprises, so the requirements of enterprises for the professional quality of talents continue to improve. Therefore, in order to meet the needs of the talent market, in the teaching reform of J2EE system development technology, we should strengthen the dual education of knowledge and literacy of professional

talents, and ideological and political curriculum education is to add ideological and political teaching elements to the professional curriculum teaching, improve the educational height of the curriculum and promote the in-depth development of quality education, which fully meets the needs of modern enterprises for talents. It also conforms to the concept of quality education and is an important direction of higher education reform.

2. Teaching status of J2EE system development technology under the concept of ideological and political curriculum

2.1 The ideological and political enthusiasm of the course is not high and the attention is insufficient

At this stage, many college students majoring in computer software still have some deficiencies in their understanding of curriculum ideological and political education, and relevant teachers do not pay enough attention to the teaching of ideological and political curriculum education. In the view of teachers and students, the main goal of computer software curriculum teaching is to strengthen professional theoretical ability and practical skills, and ideological and political curriculum is irrelevant. Carrying out this curriculum teaching is more to cope with the teaching reform of the education department. Therefore, in the actual ideological and political practice of computer software courses, the initiative and enthusiasm of relevant teachers' teaching and students' learning are not high, and the work of teaching and learning is relatively passive, so it is difficult to ensure the teaching effectiveness of ideological and political curriculum. In the course teaching of computer software specialty, teachers are less involved in the course ideological and political teaching content in the classroom. At most, they will mention some in the process of carrying out professional ethics education of computer software specialty. The overall ideological and political teaching of computer software specialty is a mere formality, and students are not interested, resulting in the ineffective promotion of ideological and political curriculum teaching in J2EE system development technology teaching, and the actual teaching effect is not ideal.

2.2 The course lacks ideological and political materials，and the mining of ideological and political elements is insufficient

J2EE system development technology course itself is a more practical course. The effective development of ideological and political teaching of this course is based on the reasonable excavation of ideological and political materials of the course. In fact, this course has little correlation with ideological and political curriculum. Therefore, if you want to infiltrate ideological and political teaching in J2EE system development technology teaching, it is not easy to accelerate the course Ideological and political construction of J2EE system development technology. There are not enough ideological and political elements in the course of J2EE system development technology teaching. Teachers need to be prepared before teaching and fully tap the ideological and political teaching elements. However, in terms of the current ideological and political construction of J2EE system development technology teaching course, the relevant J2EE system development technology teachers rarely take the initiative to mine the ideological and political elements of the course. Therefore, the ideological and political curriculum construction in J2EE system development technology teaching is a mere formality, and the actual curriculum ideological and political practice is also lack of effectiveness.

3. Teaching countermeasures of J2EE system development technology under the concept of ideological and political curriculum

3.1 Changing the teaching concept and enhancing the attention of the curriculum

In the new era, in carrying out the teaching of J2EE system development technology, colleges and universities should recognize that the current market demand for the talents is relatively strict, recognize the importance of cultivating students' professional quality and ideological and moral level in curriculum teaching, and take ideological and political curriculum as an important direction of J2EE system development technology teaching reform and innovation. In the specific course teaching, we should have the concept of ideological and political curriculum education, which can ideologically enhance the attention to the ideological and political education of J2EE system development technology course. At the same time, it is also necessary to enhance students' attention to this course and make students realize that in the current learning of J2EE system development technology course, they should not only learn the professional skills of the course and master the basic theoretical knowledge, but also learn the professional quality and moral standard that they should have as a software engineer and development engineer in the future, who can guide the legal risk and reputation risk of the industry, be able to be strict with yourself and have correct ideals and objectives. By actively carrying out ideological and political teaching of J2EE system development technology course, students can correctly understand J2EE system development technology course, exercise students' professional ability and professional quality in course teaching practice, and become high-quality talents required in the future market.

3.2 Actively exploring ideological and political elements and doing a good job in connection with ideological and political work

In the training of J2EE system development technology talents in colleges and universities, in order to promote the realization of the goal of ideological and political construction of teaching courses and give full play to the role of ideological and political education of J2EE system development technology courses, teachers need to make full preparations in the development of teaching work. Teachers should combine the teaching content and reality of J2EE system development technology curriculum, combine the curriculum content with ideological and political teaching, and excavate the important ideological and political elements in curriculum teaching, in order to accelerate the mining of ideological and political curriculum connotation, lay a foundation for the development of ideological and political curriculum teaching, and promote the effective development of ideological and political curriculum work in J2EE system development technology teaching. For example, in the study of the core technology of J2EE system development technology, teachers explain the positive application scope of this technology and analyze the illegal use of technology, indicating that the consequences of some illegal technicians' illegal profit-making behavior through technical modification of system operation are serious, which can be analyzed around some specific technical cases, explain the boundary problems they should pay attention to in learning when applying J2EE system development technology to avoid adverse consequences.

4. Conclusion

The curriculum ideological and political concept has been applied to a certain extent in the current teaching reform of J2EE system development technology in colleges and universities. In the specific practical operation, there are still some deficiencies in the teaching of J2EE system development technology. The effective integration of ideological and political curriculum concept and professional curriculum teaching has not been realized, and there are still some difficulties and obstacles in the ideological and political teaching of relevant courses. We need to accelerate the teaching reform and innovation of J2EE system development technology, improve the attention to the ideological and political teaching of the curriculum, and actively tap the ideological and political elements in the J2EE system development technology curriculum, so as to do a good job in the connection between professional courses and ideological and political courses, and promote the ideological and political teaching of the curriculum to achieve ideal results.

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