Research on Teaching Reform of BIM Basic Courses from the Perspective of Curriculum Ideological and Political Education

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Abstract: Studying the teaching of BIM basic courses from the perspective of ideological and political education is a topic currently being studied. Under the background of ideological and political education, BIM basic courses have achieved a broader development prospect in the application process. Based on the analysis of the current basic situation of BIM basic courses, the effective combination of ideological and political education and BIM basic courses plays a role of mutual assistance and mutual benefit, which greatly promotes the development of courses. From this point of view, this paper discusses the practical significance of the combination of the two in depth, systematically analyzes the actual effect of the combination, and puts forward an effective scheme. The combination of BIM basic courses and ideological and political education endows rich connotation of course-related knowledge, which significantly improves students' thinking ability, which plays a great role in the construction of high-quality talents. The above is the view of Shaanxi Railway Engineering Vocational and Technical College.

Keywords: Ideological and political perspective; BIM basic courses; Reform research

DOI: 10.47297/wspiedWSP2516-250023.20220607

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1. Introduction

The goal of ideological and political teaching is to enable students to correct their learning attitude, improve their ideological consciousness and establish correct life values for them. By establishing a correct ideology, we can develop good behavior habits. With the continuous in-depth study of students, students' personal professional quality has been significantly improved, and they can concentrate more on thinking problems and strengthen their thinking ability by getting rid of their complicated thoughts. Basic BIM course is actually a practical course, but it also requires students to have good thinking ability. Combine the two effectively, establish a new development feature from ideological awareness to practical operation mode, and make students develop a good habit of integrating knowledge with practice.

2. Teaching Status of BIM Basic Courses

Basic BIM course is a course that came into being on the premise of the continuous development of modern science and technology. Its appearance is the product of conforming to the times and meets the basic requirements of modern college students. Nowadays, many related vocational colleges have offered BIM basic courses, which are a course that students of architectural engineering technology must master [1]. From the teaching content of students' training in higher vocational colleges, freshmen are required to master some basic knowledge, and students need to study this course systematically when they reach their sophomore year. Students should systematically study related courses such as drawing and drawing recognition, materials science, building technology, etc., and apply what they have learned to practical exercises. Students should complete relevant courses step by step according to the basic law of subject development. At present, in the teaching of BIM basic courses, when teachers impart knowledge to students, they still focus on practical exercises. Through a lot of exercises, students can improve their proficiency in operation. Combined with the basic knowledge explained by the teacher before, the students carry out related exercises. When teachers find mistakes in students' practice, they should correct them in time, and then strengthen them through continuous practice to achieve the purpose of consolidating knowledge points. This is also an effective teaching method in BIM basic course teaching.

3. The Necessity of Integrating BIM Basic Courses into Curriculum Ideological and Political Education

With the vigorous development of our country, we have made good
achievements in both science and technology and economy. Of course, the progress made in the field of education cannot be ignored. Under the background of the new era, in order to conform to the trend of the times, the state has carried out drastic reforms in education. It not only strengthens the knowledge system of new technologies, such as the emergence of BIM basic course teaching, but also fully emphasizes the ideological and moral education of contemporary college students. The State Council has successively issued a series of documents to encourage the strengthening of ideological and political education. It can be seen that ideological and political education is also a course that contemporary college students need to focus on. As a teacher of Shaanxi Railway Engineering Vocational and Technical College, I think it is necessary to introduce the ideological and political teaching concept into BIM basic course teaching. With the continuous development of the construction industry, BIM came into being. Compared with the traditional construction methods, it can greatly improve the construction speed, save costs and gain more profits. Therefore, its development is particularly rapid. However, in the process of training professionals, we should also pay attention to the significance of ideological and political education, so that students can cultivate good moral qualities, love the motherland, make selfless contributions, and be a good youth in the new era [2].

4. The Ideological and Political Reform Path of BIM Basic Courses

(1) Cultivating teachers' ideological and political teaching ability

Learning advanced BIM basic courses requires the establishment of professional teachers, and the quality of teachers' teaching level determines students' academic achievements. Cultivating students' thinking logic, comprehensive quality and knowledge system will have a profound impact on them. From the perspective of improving the quality of university teaching and teachers' quality cultivation, university teachers should pay more attention to strengthening their own moral cultivation, do more research in ideological and political teaching, and improve their own ideological and political teaching ability [3]. This is the most basic requirement for university teachers in the new era. A qualified university teacher needs to master certain professional knowledge, know the teaching methods, have the basic quality of teaching, and have good moral cultivation. If teachers don't have excellent moral qualities, how can they educate outstanding students who are in line with the development of modernization? Therefore, schools should attach great importance to the cultivation of ideological and political teaching ability of university teachers, so that they can have noble moral sentiments, so as to spread positive ideological and political teaching content to students. For this reason, schools can take a series of measures, such as holding research conferences on ideological and political education from time to time, so
that teachers can understand the importance of ideological and political education. Provide ideological and political teachers with training and learning opportunities, and hold various teaching and research regularly, so that ideological and political education can be widely carried out in university campuses.

(2) Establishing the teaching system of ideological and political education and BIM basic courses

It is necessary to integrate ideological and political education into BIM basic courses, which can not only enable students to master advanced technology, but also have good moral cultivation. Only in this way can students correct their learning attitude in the process of learning, and ensure that they have a correct ideological understanding in the process of learning advanced technology. Only in this way can they cultivate high-quality college students in line with modern development. In order to establish the teaching system of ideological and political education and BIM basic courses, it is necessary for teachers to keep trying, find the connection between them, and transmit ideological and political education ideas to students in BIM basic courses. For example, when teachers guide students' practical operation, they can appropriately add the viewpoint of ideological and political teaching, so that students can not only improve their practical operation ability, but also cultivate their thinking quality and moral quality to a certain extent. The introduction of ideological and political teaching into the teaching system of BIM basic courses has many aspects for the cultivation of students. Students learn the truth of being a human being and master good communication skills with others, which is conducive to students' better integration into the team, thus helping to cultivate students' sense of team innovation. Therefore, the two are complementary.

(3) The practical application of BIM basic course teaching is combined with ideological and political teaching

Teachers can organically combine the practical application of BIM technology in life with ideological and political teaching, and explain it to students, so that students can realize that mastering advanced technology means mastering the future productivity, and at the same time understand that advanced technology serves the people. Mastering no matter how powerful technology is, they should respect the people-oriented principle. With the rapid spread of the epidemic in recent years, China's great party, in line with the idea of serving the people, defeated the epidemic, did not give up every people, and wanted everyone to feel the warmth of the motherland. It set up anti-epidemic hospitals such as Huoshan Mountain and Raytheo Mountain overnight, where it applied the advanced technology of BIM. When the teacher lectures to the students in class, he can tell the students about this real case. This will not only make students realize the great changes brought by high technology to their lives, but also cultivate their deep feelings for the motherland. On the road of future study, always remember to love the country for
the people, contribute to the development of the motherland, and apply science and technology to the most correct place, so that students can realize the great power of craftsman spirit [4].

5. Conclusion

To sum up, the integration of ideological and political teaching ideas and BIM basic courses has greatly promoted the progress of the teaching system. Through the effective integration of the two, students can correct their learning attitude in class, thus mastering advanced scientific and technological knowledge more firmly. Through the follow-up investigation of these college students, it is found that these students who have studied ideological and political education have advanced performance in the follow-up work, can be fearless of hard work and selfless dedication, and have noble moral sentiments and good professional qualities.

References


