



On the Ideological and Political Education of Material Specialty Courses under the Background of the Internet

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Abstract: Under the background of the Internet, discussions are conducted in this paper on the teaching practice of political and ideological curriculum in materials disciplines from teaching idea, teaching design, teaching process and teaching based evaluation mechanism, which can effectively improve the students' ideological and political participation and satisfaction. As a result, it improves the teaching effect on ideological and political theory, providing certain references for other educational reform in ideology and politics. As a result, it brings new opportunities for the development of material specialty.

Keywords: Internet, material specialty, ideology and politics, educational reform

1. Introduction

Against the background of the Internet, coordinated development is required in professional teaching and ideological and political education, and it is of far-reaching significance to develop curriculum in ideology and politics in open universities[1]. Teaching concept based on ideological and political theory actively implemented in the teaching of materials major and the structure adjustment of teaching concept strengthen the construction of the ideological and political theory based teaching. The content of ideological and political elements should be deeply explored, and ideological and political elements should be implemented through the course teaching process with focuses on the organic unity of educational talents and educators, giving play to the leading role of ideological and political elements so as to realize the cultivation of patriotic sentiment and the dissemination of values[2].

At the National Conference on Ideology and Politics of Colleges and Universities, General Secretary Xi Jinping delivered an important speech, emphasizing the importance of ideology and politics in colleges and universities, as well as the basic task of education, moral construction and the implementation of education[3]. Based on the theoretical teaching in ideology and politics, various courses should be promoted to play the role of giving education for people. In the pluralistic classroom teaching, it is an important problem for teachers and students in subtly realizing the educational goal to make the professional teaching and ideological and political education to be mutually promoted for mutual development. Therefore, from the perspective of open university, it is of far-reaching significance to explore the reform of teaching mode and construct the ideological and political construction of curriculum.

2. The necessity of ideological and political teaching in material specialty

Materials based curriculum is a public materials based course offered by the open university of China for science majors. The content of this course covers material learning with professional activities in material experiments, which focuses on teaching of knowledge in material language and cultivates students' material classification[4]. At the same time, the ideological and political factors in the textbook are discussed. Classroom teaching takes ideological and political education as a whole, which integrates knowledge transfer and value leadership, improves students' material understanding level, helps students establish correct world outlook, outlook on life and values, cultivates social responsibility and other qualities, which is conducive for them to become pragmatic talents of our country. Due to the accelerating speed of knowledge updating and job requirements, a large number of students are required to constantly learn new knowledge and master new technology in their work. In the past, materials based professional courses were taught according to the specific content of textbooks and the classification of cultivated materials, but the ideological and political factors of the courses were ignored, which led to the separation of professional knowledge and material education. The strict application of ideological education in class not only affects the teaching effect of professional courses, but also fails to realize moral education, which is not conducive to the establishment of moral education in the same direction. We should spontaneously explore the ideological and political elements in the curriculum and conduct innovation in the practice of civic teaching and promote the transformation of teaching mode from indoctrination to implicit infiltration, so as to realize the combination of ideological and political teaching and

professional teaching and complement each other, which can help us avoid arbitrary mechanical and scattered embedding

3. Teaching mode of ideological and political lesson of material specialty

3.1 Ideological and political theory of material teaching

Great changes have taken place in the classroom teaching in the Internet era. Both online and offline teaching are carried out flexibly at the same time. Network teaching is beneficial to students' independent learning, which can improve their thinking ability and cultivate their core qualities. It is a curriculum that integrates ideological and political factors into the curriculum and exerts subtle effects on students. The principle of material specialty is to combine material learning with material experiment activities to improve students' material ability and cultivate social responsibility and other qualities[5]. To carry out ideological and political education, teachers need to be well prepared for class, design moral education teaching plan according to the curriculum content, and organically combine professional lectures with moral education. In the process of teaching material knowledge, teachers should grasp vivid cases and hot topics, stimulate students' thinking ability, broaden their horizons, think deeply about Chinese and western culture, and establish a correct outlook on life, world outlook and values.

Besides, in order to put the concept of ideological and political curriculum into practice, we must make full use of the main channels of classroom teaching and pay attention to the reform of ideological and political teaching in non-ideological and political theory teaching. Therefore, material teaching is conducted by the integrated online and offline teaching. Natural combination of ideological and political education concept and professional course teaching can stimulate students' interest and enthusiasm for learning, improve the efficiency of ideological and political education. Ideological and political teaching has been introduced into courses of material specialty. At the end of the semester, a questionnaire was used to assess participation, satisfaction, impact on actual work, and the strengths and weaknesses of the teaching model. The students attended the ideological and political course, which also had a positive influence on their practical work. Many students put forward good suggestions on the construction of ideological and political courses in our country, which is helpful to promote the reform of material teaching.

3.2 The main channel of ideological and political theory based teaching — classroom teaching

In the teaching of materials specialty, the ideological and political elements should be deeply explored to carry out teaching and education in various aspects. The organic integration of professional knowledge and ideological and political elements should be transformed from indoctrination and preaching to implicit infiltration. Arbitrary, mechanical and scattered embedding should be avoided, and ideological and political teaching and professional teaching should be combined to complement each other[6]. As the main channel of ideological and political education, the classroom teaching can't be conducted with all-time rigid indoctrination to avoid infused education. For example, courseware is interspersed with enlightening questions to guide students to look up literature and to have independent study after class. When making courseware, teachers should intersperse some enlightening questions for students for discussion in class. For example, with the text content as the guidance, students can be guided to think critically to compare the educational concepts both in China and Western countries, as a result, to objectively examine the education standards of western countries. Students engage in active discussions in a relaxed classroom environment to enhance their professional confidence and build ambitious aspirations. From the perspective of students' overall development, ideological and political teaching can be conducted with students as the center to achieve the effect of auxiliary education. In order to ensure the teaching effect, classroom teaching should give attention to feedback, and appropriate ideological and political elements should be added to extracurricular homework. Students' homework can also be fed back in the Wechat study group.

3.3 Development direction of ideological and political theory based teaching — network teaching

All kinds of network equipment and network resources are made full use of in network teaching. With the help of diversified information technology, ideological and political education content should be presented in a more vivid form and the leading role of knowledge teaching and values should be fully played[7]. The online teaching activities of materials major are mainly conducted based on the learning network of the open university of China with the integrated teaching methods of theme teaching and case analysis. In order to correctly view the development of science and technology at home and abroad, rational thinking and national pride are required in this regard. According to the syllabus of materials major, teachers teach professional knowledge with interspersed elements in ideology, politics and education from multiple angles to impart professional knowledge.

3.4 Diversified teaching methods of ideological and political theory

A mixture of online and offline teaching is adopted to make full use of heuristic case teaching and flipped classroom

teaching methods. Through heuristic teaching, students' divergent thinking ability is cultivated. For example, in class, teachers set corresponding questions according to the content of the material, and teachers play an important role in starting the discussion. Taking the support unit of materials specialty as an example, the teaching content can be designed in such a way that the learning video can be played at the beginning of the course. After the video is played, students will ask questions and students are required to offer answers correspondingly. The whole classroom is video-centered. Through this unit, teachers not only impart knowledge, but also guide students to pay attention to hot social topics and develop their sense of social responsibility. Flipped classroom teaching is conducted to assign relevant questions before class, and students are required to finish the questions and answer them in class. This teaching method can cultivate students' ability of independent thinking, and students are encouraged to discuss a topic through group discussion so as to improve their learning motivation and enhance their cognitive awareness of what they have learned.

4. Practice and reform of ideological and political theory based teaching

4.1 Practices in ideological and political theory teaching as the important links

Practical teaching is an indispensable part in improving students' comprehensive ability[8]. To have a visit of educational practice bases, attend experts' lectures and participate in practical work can guide students to actively perceive and think deeply. Therefore, the school has established a number of teaching based practice base projects, to regularly or irregularly organize students to visit the practice base or watch relevant videos. Practice teaching can immerse students in the situation, cultivate the master consciousness and mobilize their learning initiative. During practice, the school organizes visits to the rural culture hall and participates in rural revitalization and other activities, which have good ideological and political teaching effects. In addition, the school also organized a variety of competition activities, such as oral competition held for students, students are selected by scores and grades, from the choice of theme to find out the presentation contest not only improve students' speech ability, but also cultivate students willing to cooperate team spirit, enhance students' sense of honor.

4.2 Educational reform as the top priority in ideological and political theory teaching

The academic evaluation of students should be incorporated into the moral education of ideological and political education, and the academic evaluation of ideological and political education courses should be consistent with the teaching objectives. The evaluation criteria start from cognition, emotion and value, and give a specific weighting ratio. The evaluation method adopts questionnaire survey, statistical analysis and other methods to ensure that the combination of generalized evaluation and quantitative evaluation is as scientific and reasonable as possible to effectively responds to the combination of imparting knowledge and leadership value. In order to prevent the temporary enthusiasm of ideological and political education, we should establish a scientific evaluation mechanism, including summary of ideological and political teaching feedback, test of education efficiency and presentation and collaborative education mechanism to improve the teaching management system with emphasis on the importance of ideological and political courses for further exploration and shaping of advanced cases. We should perfect the teaching management system, emphasize the importance of ideological and political theory teaching, pay attention to digging and shaping advanced cases, and play the role of example.

Besides, it is also very important to perfect the teacher training system and improve the ideological consciousness of professional teachers. Teaching competitions are held among teachers, including face-to-face lectures, online courses, ideological and political course teaching design competitions, and excellent ideological and political course teaching cases demonstration. In the process of participation, the quality of teachers themselves will be greatly improved. Integration of ideological and political theory based teaching elements, reconstruction of the content of teaching materials, formation of a content system with local characteristics and overlapping complementary teaching materials are full embodiment of the characteristics and advantages of the course, which serve as the supplement of teaching in ideological and political theory and professional courses.

4.3 Ideological and political theory teaching focuses on improving the level of teachers specializing in materials

Teachers are the key to promote the construction of courses in ideology and politics. As teachers of university, teachers responsible for teaching students in material specialty are required for self-building and improve ideological and political consciousness, and adhere to the unification of education. Teachers' ideological and political consciousness is an important guarantee for the success of teaching reform. As messengers of material culture, teachers responsible for teaching students in materials majors should not only master solid professional skills, but also pay attention to the construction of teachers' style and morality. Teachers should constantly study and study courses on civil and political reform, who should read ideological

and political theory textbooks in a frequent manner. Beside, teachers should strengthen training on civil and political theory, and listen to civil and political courses. The school should also hold collective classroom exchanges to dig out ideological and political content and form reform thoughts in line with the characteristics of our school. The ideological and political elements of the curriculum run through all aspects of teaching, including teaching plans, curriculum standards, teaching plans and teaching practice.

While having a sound master of professional knowledge, we should develop active thinking and make exploration of how to take Xi Jinping Thought on Socialism for a New Era with Chinese Characteristics as the guidance in the whole teaching process. After the teaching practice in recent years, the school has gradually formed a teaching model combining mixed teaching with practice. The ideological and political elements are discussed at the full, which extends the scope to practical teaching. Through the practice meeting, the ideological and political content and thought were further confirmed, and the degree of acceptance of the ideological and political content of the course was improved.

Conclusion

The teaching of material curriculum is carried out with active implementation of the new educational idea of ideological and political theory teaching. The teaching concept is given structural adjustment to strengthen the construction in ideology and politics of professional courses. The teaching process not only deeply excavates the ideological and political elements, which also runs through the teaching process with focuses on the organic unity of people's education and education, giving play to the leading role of ideological and political, and cultivating patriotic sentiment and values. The goal of this course is to improve students' ability in all aspects of the material. Besides, attentions are given to the cultivation of national mood to enhance cultural confidence, and dialectical thinking is adopted to treat various hot issues. Teachers should pay attention to properly grasp the teaching objectives and civic political elements to fully explore the ideological and political elements of textbooks, and maximize the effectiveness of ideological education.

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