

Teaching and curriculum ideological and political exploration of material forming and control engineering major in colleges and universities

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Abstract: With the proposed fundamental task of “moral cultivation”, ideological and political education in colleges and universities has ushered in a new opportunity for reform. In this context, in order to effectively cultivate students’ ideological and political literacy, help them establish correct ideological concepts and value cognition, in addition to actively carry out ideological and political courses, colleges and universities should actively build a collaborative education mechanism, the ideological and political education and professional teaching integration, in the training of students’ professional literacy at the same time, ideological and political education for students, help them establish correct thoughts and cognition, In order to promote the all-round development of students. In this paper, the material forming and control engineering teaching and curriculum ideological and political integration is analyzed, hoping to provide readers with some valuable reference and reference.

Key words: Colleges and universities; Material forming and control engineering major; Curriculum ideology and politics

Introduction

In the 2014 National Conference on Ideological and Political Education in Colleges and universities, it was stressed that “we should make full use of professional teaching as a way to educate people, persist in reforming and innovating ideological and political education and professional teaching, and build a long-term cooperative education mechanism”. In the process of college education, ideological and political education carried out by counselors and ideological and political teachers alone can no longer meet the needs of students’ development. In this regard, it is necessary to establish a professional curriculum and actively build a collaborative education system, which can not only enrich the teaching content and effectively train students’ professional quality, but also help students establish correct ideas and value cognition, which will provide a strong boost to their future employment and development. Therefore, it is necessary for college teachers to infiltrate ideological and political education in professional teaching, and give full play to the hidden role of curriculum ideological and political education, so as to provide help for students’ future development.

I. Overview of curriculum ideological and political education

“Curriculum Thought and politics” refers to the education that integrates moral norms, political views and ideology into the teaching of material forming and control engineering majors in colleges and universities, which are not ideological and political courses. The specific content of professional education covers a number of directions. Its essential goal is to ensure that while students obtain professional or disciplinary ability improvement, their own values and moral qualities can be well established, and they can firm the Party’s leadership and communist faith, independently undertake the responsibility of socialist construction, and strive to be qualified successors and reliable builders of socialism with Chinese characteristics in the new era. It is of great practical significance to integrate ideological and political education into professional teaching for students’ professional learning and development. On the one hand, it not only greatly enriches the content of professional teaching, stimulates students’ interest in learning, mobilizes their enthusiasm and initiative, and improves the effect of professional teaching. On the other hand, it can enrich the educational properties of the subject and promote the all-round development of students. Since the 18th CPC National Congress, the socialist modernization construction with Chinese characteristics has entered a new stage. Under this background, the state has put forward some targeted policies and made relevant instructions for the training and education of professional talents, requiring the realization of education modernization and education to be the ultimate goal of education. If we want to achieve this goal, it is necessary to promote the high quality and high-level development of higher education. As far as the major of material forming and control engineering in colleges and universities is concerned, it has many educational attributes, and the mineral deposits of ideological and political elements are extremely rich in the teaching content. It is no exaggeration to say that the major of material forming and control engineering is not only a major in the professional education of colleges and universities, but also an important course medium to promote ideological and political education, which can bear the heavy responsibility of disseminating socialist core values. Under the promotion of “curriculum thinking and politics”, the educational value of the major of material forming and control engineering in colleges and universities has also been improved, and students can not only obtain professional knowledge and professional skills in the course of professional education, but also realize the two-way development of body and mind. At the same time, under the promotion of “curriculum thinking and politics”, the teaching of material forming and control engineering has also begun to change towards the direction of “prevailing style” and “reaching the political system”, and the cultivated students can have both good professional skills and high-quality ideological accomplishment. Therefore, actively promoting the construction of “curriculum thinking and politics” in the major of material forming and control engineering in colleges and universities is very beneficial to both the success of students and the modernization of the discipline.

II. Analysis of the problems in the course of ideological and political integration of Material forming and control engineering major

1. Cognitive bias in teaching

When carrying out the teaching of material forming and control engineering in colleges and universities, some teachers unilaterally think that they are responsible for professional teaching, and the main purpose is to cultivate students' professional knowledge and skills. This wrong cognition makes college teachers lack enthusiasm and initiative in the process of carrying out curriculum ideological and political construction, which seriously affects the effect of curriculum ideological and political construction. In addition, some teachers believe that there are few ideological and political elements in the teaching of material forming and control engineering, which makes it impossible to carry out the curriculum ideological and political construction smoothly. Or some teachers separate material forming and control engineering and ideological and political education, resulting in a "two-layer" phenomenon, which not only seriously affects students' professional knowledge learning, but also fails to give play to the educational value of ideological and political education in the course.

2. The teaching method is single

Under the framework of curriculum ideological and political education, the educational objectives, ideological and political education requirements and the oriented completion of the curriculum system are often updated, and the educational role of curriculum ideological and political education is realized in this way. This puts forward higher requirements and standards for professional teachers in colleges and universities. As the leader of teaching activities, they should give full play to their own role, integrate teaching resources, optimize and innovate teaching methods and teaching modes, pursue "alive" teaching methods, pay attention to "new" teaching content, and adopt scientific methods to promote education. The ideological and political education and material forming and control engineering professional teaching integration, to impart professional knowledge to students at the same time, infiltration of ideological and political education, through this way to strengthen their cognition, promote the overall development of college students. However, after actual investigation, some college teachers still use outdated teaching methods, resulting in unsatisfactory teaching effects and students losing interest in professional learning. Meanwhile, the teaching content is relatively outdated, unable to mobilize students' initiative and enthusiasm, which seriously affects the promotion and implementation of curriculum ideological and political education, and is very unfavorable to the construction of students' ideological concepts and value cognition.

III. College material forming and control engineering teaching and curriculum ideological and political integration strategy

1. To improve the quality of professional teachers to provide a guarantee for promoting curriculum ideology and politics

Professional teachers play an important role in the process of promoting curriculum ideology and politics in colleges and universities. The implementation of curriculum ideology and politics not only requires teachers to have a strong professional quality and superb teaching level, but also needs them to have a deep understanding of ideology and politics, master the law of students' growth, in order to better carry out and promote curriculum ideology and politics, and fully play its role in educating people. Therefore, it is necessary for colleges and universities to train professional teachers' ability of thinking and politics in the course, reform teachers' cognition, and provide guarantee for promoting the construction of thinking and politics in the course. In the process of implementing curriculum ideology and politics, in order to prevent teachers from having "two layers of skin" in curriculum teaching, colleges and universities should regularly carry out special training on curriculum ideology and politics education concepts. At the same time, in order to expand cognition, colleges and universities can invite famous teachers to give special lectures to share experience, expand teachers' cognition and innovate teaching concepts. A number of measures should be taken at the same time to improve the curriculum ideological and political ability of college teachers in various ways, so as to provide guarantee for the smooth promotion of curriculum ideological and political construction.

2. Dig deep into ideological and political elements and enhance the role of ideological and political education in the curriculum

In the teaching of material forming and control engineering, many teachers mistakenly believe that professional courses are all professional knowledge, ideological and political elements are poor, and it is impossible to carry out high-quality ideological and political construction of courses. This view is too one-sided. Teachers should change their teaching concepts in time, base themselves on the development of The Times, dig deeply into the content of professional courses, optimize the teaching content according to the actual situation, and actively build a collaborative education system of ideological and political education and professional teaching, so as to better promote the development of students. For example, in the actual teaching process, teachers can share inspirational stories with students by using network resources according to the teaching content. In this way, they can help students to form excellent characters. In addition, teachers can also infiltrate the craftsman spirit into professional teaching. In this way, they can cultivate students' habits of meticulousness, conscientiousness and responsibility, which will help them in their future study and work.

3. Optimize the teaching methods and improve the ideological and political effects of the curriculum

Nowadays, with the rapid development of society, the traditional teaching methods and models have been unable to meet the needs of college students' development. It is necessary for college teachers to keep up with the pace of The Times, optimize and upgrade the teaching methods and models, so as to improve the professional teaching effect, give full play to the educational role of ideological and political courses, and promote the all-round development of college students. For example, when carrying out professional teaching, teachers can

apply project-based teaching method in teaching. In this way, they can stimulate students' interest, mobilize their enthusiasm, take students as the main body, and promote the development of their personality. Students can be divided into groups and assigned corresponding learning tasks to each group. Students are required to complete the design task in a group. Students can complete the teaching task through group analysis, research, discussion and other ways. By using this teaching method, students can cultivate their teamwork ability, strengthen their professional quality, and promote their all-round development. In addition, nowadays, most of the students are "post-00", they grow up with the development of the network era, with obvious characteristics of The Times, teachers can also choose the teaching method students like, the network technology and teaching content of the combination, through this way, give full play to the hidden role of ideological education. We can also use the advantages of network to expand the channels of ideological and political education. For example, teachers can use online media platforms, such as wechat public account, Weibo, Douyin and other platforms, to push information to students, help students establish correct ideas and values, promote their all-round growth, and improve the effectiveness of ideological and political courses.

4. Carry out practical activities to expand ways of educating students

In order to better improve the effectiveness of ideological and political education in the course, teachers can carry out practical activities in the course teaching process, through this way, to create a special teaching environment for students and help them grow up. Teachers can base on important festivals to carry out patriotic education for students, so as to cultivate students to form the spirit of patriotism. For example, on September 18 every year, in response to this special historical event, teachers can guide and organize students to carry out interesting questions and answers, essay contests, speech contests and other activities. In this way, they can help students remember history, remind them not to forget the national humiliation, establish patriotic feelings, uphold the legacy of the revolutionary forefathers, and promote them to form correct patriotic values. In addition, teachers can also combine professional teaching with practical activities to carry out innovation and entrepreneurship competitions. Through organizing and carrying out competitions, they can stimulate students' interest, cultivate their sense of competition, enhance their professional ability and promote the improvement of their practical ability.

5. Improve teaching evaluation and enhance the effectiveness of education

As is known to all, teaching evaluation, as an important part of vocational education, plays a huge role in ensuring the teaching effectiveness and improving the teaching effect. The significance of doing a good job in this education link is not only to clarify the follow-up learning direction of students and strengthen their professional ability, but also to further correct their learning attitude and practical consciousness, so as to achieve the goal of generating good learning quality. First of all, teachers should do a good job in the evaluation and optimization of classroom teaching, especially the practical teaching part, and evaluate students' practical results and classroom performance, so as to achieve the purpose of strengthening students' professional skills and provide strong help for their orderly improvement of professional quality. Secondly, based on the actual job requirements, a professional teaching evaluation form should be made from multiple dimensions such as learning attitude, attendance and detail level to comprehensively and systematically comment on the quality and attitude shown by students in the process of professional teaching, so as to promote the improvement of students' professional literacy in a reverse way.

Epilogue

In a word, in the new period, in order to better carry out and implement the fundamental task of "cultivating morality and cultivating people" and give full play to the value of curriculum ideological and political education, it is necessary for colleges and teachers to attach importance to the important value of curriculum ideological and political education, and actively use new thinking and new methods to create a new situation of college collaborative education and promote the all-round development of college students.

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