

# Exploration on the Path of Ideological and Political Reform of "Project Cost Management" Course of Engineering Cost Majors

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## Abstract

Under the new situation, the pace of ideological and political reform of college courses has been further accelerated. For the "Engineering Cost Management" course of engineering cost major, in order to realize the integration of ideological and political education and courses, we should start from the teaching methods, teaching resources, evaluation models, teaching activities, etc., and scientifically explore the teaching reform path of ideological and political courses to truly implement ideological and political curriculum education and promote the development of professional curriculum. Based on this, this paper introduces the goals of the ideological and political teaching reform of the engineering cost management course, analyzes the problems existing in the current curriculum reform, and proposes a series of reform measures and paths, hoping to promote the further development of the ideological and political reform of the engineering cost professional course.

## Keywords

Engineering cost major; Engineering cost management; Ideological and political curriculum; Reform.

## 1. Introduction

Ideological and political education is the fundamental embodiment of morality and cultivating people, and it is also the core content of education. Especially as the social and ideological situation continues to change, college students, as the successors and builders of socialism, must have a correct understanding of the national excellent culture, establish socialist core values, and consciously undertake the mission and responsibility of the rejuvenation of the Chinese nation. Ideological and political curriculum education refers to the combination of ideological and political education and professional courses, so that various courses and ideological and political education can go together in the same direction, and train students to become outstanding talents with all-round development of morality, intelligence, physique, beauty and labor. The engineering cost management course is the main course of the engineering cost major, which profoundly affects the students' professional ability. Strengthening the course reform of "Engineering Cost Management" for engineering cost majors can enable students to acquire knowledge and skills while forming correct values, establish lofty ideals and beliefs, and consciously assume the responsibility of national rejuvenation.

## 2. The Teaching Reform Goals of Ideological and Political Curriculum for Engineering Cost Management Courses

The goal of the ideological and political reform of the engineering cost professional management course is to realize the optimization and upgrading of the theoretical teaching and practical teaching of the engineering cost major through the reform of classroom teaching, course evaluation, classroom activities and other teaching contents, and to promote the

engineering cost major to develop to a deeper level [1]. That is to say, in the teaching process, it is not only the professor of professional knowledge and skills, but the combination of education and talent cultivation, so that students can form a good ideological and moral quality while learning knowledge and skills, with a high sense of responsibility, patriotism, unity. The course ideology and politics are integrated into the engineering cost major courses, so that students can view their own learning and growth process from the perspective of humanistic literacy, examine their own career development, and train students to become talents with all-round development of morality, intelligence, physique, beauty and labor. This is in line with the goals of ideological and political education in colleges and universities, and meets the ideological literacy requirements of socialist modernization for high-level talents, and can cultivate compound innovative talents who are confident, brave, and consciously undertake the important task of China's rejuvenation.

### **3. Problems of the current curriculum ideological and political teaching reform**

#### **3.1. Teachers Lack a Correct Understanding of Ideological and Political Curriculum**

With the gradual implementation of ideological and political curriculum work, major colleges and universities have carried out ideological and political curriculum reforms to integrate course ideology and politics into professional courses, and truly implement the teaching concept of Lide Shuren. However, in engineering cost professional courses, many professional teachers have insufficient understanding of curriculum ideology and politics, and do not really realize the importance of curriculum ideology and politics. Most professional teachers think that their job is to teach classroom knowledge and skills well, and ideological and political education is handed over to ideological and political teachers or counselors. This separates ideological and political education from professional courses, and gives full play to the ideological and political education function of the curriculum. In addition, when some teachers tried to integrate ideological and political content into professional courses, they did not find a way to teach ideological and political courses. They don't know where there are ideological and political elements in the curriculum, and don't know how to use ideological and political elements to carry out ideological and political teaching, which leads to the formalization and simplicity of curriculum ideological and political education in the teaching process, which is contrary to the original intention of ideological and political curriculum education. In addition, teachers' ideological and political professional ability is insufficient, and it is impossible to innovatively integrate ideological and political education and professional teaching to establish a new teaching model. Most of the time, direct imposition, forcible indoctrination and teaching, lead to counterproductive effects and seriously hinder the development of curriculum ideological and political work.

#### **3.2. Emphasizing Skills And Knowledge and Despising Ideological and Political Education**

In the teaching of engineering cost majors, too much emphasis is placed on skills and knowledge, and ideological and political education is neglected. In the teaching of theoretical knowledge, professional teachers guide students to master project cost and management knowledge according to the content of textbooks, and do not penetrate the corresponding professional quality, resulting in students' incomplete understanding of the major. In practical teaching, professional teachers take various practical training methods to exercise and strengthen students' professional ability, and constantly improve students' practical level, but ignore the

guidance of students to form skills, ideological and political concepts in the application process, which is not conducive to students' comprehensive development of application capabilities.

### **3.3. The Ideological and Political Teaching Mode of the Course Is Not Perfect**

The core of ideological and political curriculum teaching reform lies in the ideological and political teaching mode, but the current integration of ideological and political education and professional courses is low, and a systematic and complete curriculum ideological and political teaching mode has not been established. The lack of scientificity and rationality in curriculum design and implementation methods, and the poor practical application results, lead to single ideological and political teaching methods, exaggerated and boring content, and cannot stimulate students' interest in learning. At the same time, due to the ideological and political teaching of simple and formalized courses, students have a low degree of recognition of ideological and political education and cannot fully devote themselves to ideological and political education activities.

## **4. Path Analysis of the Ideological and Political Reform of the "Project Cost Management" Course of the Engineering Cost Major**

### **4.1. Enrich Teaching Resources**

One of the ideological and political reform paths for the "Engineering Cost Management" course of the engineering cost major is to further enrich teaching resources, add more ideological and political education resource bases and case bases, and provide a resource basis for professional teachers to carry out ideological and political teaching. Specifically, a team for the construction of engineering cost classroom reform and subject resource database will be established to collect and sort out the integration cases of ideological and political education and professional courses in engineering cost majors, and to build a curriculum resource database. For the case requirements, there are the following three points: First, it is authoritative and representative. It can fully reflect the content of ideological and political education, help students master case knowledge and form a comprehensive understanding of ideological and political courses in engineering cost courses. Second, promote the development of innovation ability, professional ability and ideological and political quality. In addition to guiding students to form a good ideological and political awareness, the case should also be able to urge students to transform their awareness into behavior, realize externalization in action, and promote the growth of students' thinking and ability. Third, it can stimulate students' interest in learning. In general, the case should be related to the hot events at that time, so as to mobilize the enthusiasm and initiative of the students to learn, and enhance the students' understanding of the content of the case. And through case teaching and the events in students' real life, the distance between students and ideological and political education is shortened, so as to enhance students' sense of ideological and political identity in the curriculum.

When building a course resource library after collecting case resources, it is necessary to flexibly use modern media technology to create online learning models of ideological and political courses such as micro-courses and MOOCs, to break the ideological and political limitations of traditional courses, so that students can learn ideological and political science all the time. At the same time, it should organically combine ideological and political elements with professional knowledge and skills, adopt the ability and quality required by the docking position, and connect with the industry enterprise standards, and build new course ideological and political teaching resources for professional course ideological and political teaching [2]. Through the construction of case database and resource database, the ideological and political resources of engineering cost major courses will be further enriched, which will lay a good foundation for teachers to prepare lessons and implement ideological and political teaching of

courses, and also provide students with more and broader learning resources, so that students are more willing to carry out Course ideological and political learning.

#### 4.2. Reforming Teaching Methods

The fundamental content of the integration of ideological and political courses and engineering cost majors lies in the talent training plan and course syllabus for engineering cost majors. Only by fully realizing the integration of the ideological and political elements in the project cost professional talent training plan and the course syllabus can the ideological and political teaching effect of the course be effectively enhanced and the efficiency of the course ideological and political work be improved. Specifically, with the teaching platform as the center, the content of classroom teaching is designed, and ideological and political elements are integrated into the whole teaching process, such as group presentations, professional explanations, homework reviews, and on-the-job practice. At the same time, teachers should integrate skills training with ideological and political education to promote the improvement of students' skills and help students to correctly understand the principles of being a person and doing things, master the core socialist values, and form a high sense of national mission and responsibility.

First, add case teaching in professional teaching. Let students know and understand the strength and speed of China's engineering construction through real major engineering projects. For example, the Huoshenshan Hospital, the Hong Kong-Zhuhai-Macao Bridge, and the Shanghai Center Daxia were built in only ten days during the new crown pneumonia epidemic. Use these real engineering cases to cultivate students' national self-confidence and national pride, and then plant the seeds of dreams in their hearts and establish lofty professional ideals and beliefs. Second, based on the engineering cost major, extract ideological and political elements from engineering bidding, auditing, cost control and other links, integrate ideological and political integrity education, and carry out ideological and knowledge teaching on engineering construction risks and professional quality, so as to improve students The legal awareness and professional ethics, consciously reject corruption, refuse to join forces, and safeguard the interests of society and the country. Third, infiltrate red culture. Integrate the red culture into the course ideology and politics, and cultivate students' sense of perseverance and fighting spirit. Due to the high pressure of work in the engineering cost industry, the investment of time and energy, and the high requirements of professional ethics, there are certain challenges for students. In this regard, teachers can integrate the red spirit into teaching, carry out ideological and political education, and guide students to form a spirit of bearing hardships and stand hard work, so as to better adapt to future employment. Fourth, educate students to develop correct habits, organize books and notes after class, take care of engineering equipment, do a good job of hygiene, etc., start from small things, and behave in a civilized manner. Fifth, according to the content of the course, students are required to take the measurement and valuation work seriously. Through examples, students are informed of the consequences of undercalculation, omission and miscalculation in cost control, so that students can realize the importance of measurement and pricing details, so as to treat engineering cost work rigorously and meticulously. And establish the craftsman spirit of seeking truth and pragmatism, and striving for perfection. Sixth, keep pace with the times. With the continuous development of science and technology, many new technologies and new materials appear in engineering construction, and these emerging things have a certain impact on the project cost. In order to allow students to fully adapt to new changes and master new ideas, teachers should introduce examples of modern engineering buildings such as smart buildings and ecological buildings in the teaching process, help students learn and master energy-saving materials and energy-saving technologies used in modern buildings, and establish environmental protection, reduction Arranging the concept, and then form a modern environmental protection project cost thinking, to provide better services for the project cost work. Seventh, innovate teaching

modes and reform teaching methods. Actively use new teaching methods such as group cooperative learning, situational teaching, and task-driven methods. Make classroom learning more interesting and improve the feasibility of classroom ideological and political education. In group cooperative learning, students are divided into several groups, and students are guided to report, speak and display the results of engineering cost topics in groups, so as to cultivate students' cooperation and communication skills. Eighth, strengthen practical operation. Use the on-campus cost training room or off-campus practice base to create various practice platforms for students. Allow students to apply the theoretical knowledge learned in the classroom to practical operation. And combined with the students' learning progress, reasonable arrangements for the company's post, follow-up and other links. Through on-campus training and off-campus practice, students can effectively improve their professional ability, enhance their job competitiveness, and improve their comprehensive professional quality.

### 4.3. Optimizing Teaching Activities

To integrate ideological and political courses with professional courses, it is necessary to fully tap the ideological and political elements in the courses and develop hidden courses. Let students get ideological and political education while acquiring professional knowledge and technical skills. In this regard, the school can hire authoritative personnel in the engineering cost industry to give lectures, organize extracurricular practice, and lead students to visit enterprises, etc., to give students a new experience. From authoritative lectures, corporate atmosphere and extracurricular practice, we deepen students' understanding of engineering cost, and subtly cultivate students' spirit of truth-seeking, innovation, hard work, and professionalism, and enhance students' attention to skills and technology. At the same time, professional teachers can also lead students to visit a large-scale engineering project—Baijusi Yangtze River Bridge Project, which is the world's longest-span dual-purpose steel truss cable-stayed bridge [3]. Students visit the hoisting and construction of engineering steel truss beams, experience the hoisting process, participate in engineering control discussions, follow the project leader to check all aspects of the project, etc.; visit the construction of Wanda Plaza Smart Park, learn new fusion technologies, and understand construction points; browse the central building During the construction of the project, recognize the safety risks in the construction. You can also lead students to rural areas to visit various tourism projects and pension projects under the construction of rural revitalization, and encourage students to focus on the countryside, exert their creativity, and help rural development. Through rich teaching activities, students can broaden their horizons, improve their cognitive level, exercise their professional ability, stimulate students' innovative thinking and thinking consciousness, and promote the common development of students' thinking, theory, skills and morality.

### 4.4. Improve the Evaluation Model

The integration of ideological and political education into professional courses lies not only in the integration of course content, but also in the integration of teaching evaluation. Only by adding ideological and political elements to the evaluation model can we fundamentally increase the importance of ideological and political education and obtain the ideal ideological and political effects of the curriculum. From the aspects of knowledge level, ideological quality, value system, etc., students' professional ability and ideological and moral level of engineering cost are assessed. The evaluation criteria include ideological quality, professional knowledge level, technical skills, psychological quality, and behavioral ability. Evaluation methods include teacher evaluation, student self-evaluation, school evaluation, and social evaluation. Evaluation subjects include teachers, students, schools, enterprises and so on. The evaluation process includes students' classroom performance, attendance, stage test and final test, etc. The process evaluation and result evaluation are fully integrated. The evaluation system is based on ideological and political education, focusing on inspiring students' potential and motivating

students to devote themselves to learning and practice. And fully practice the educational concept of Lide Shuren, carry forward the excellent traditional culture, and promote the establishment of students' correct core values. Optimize and reform the teaching evaluation model, making it an important tool and means to promote the comprehensive development of students' professional ability and ideological literacy.

#### **4.5. Strengthen the Construction of Teaching Staff**

Teachers are the executors and participants of curriculum ideology and politics, and it is of great significance to strengthen teachers' curriculum ideological and political abilities. Therefore, it is necessary to build a teacher training and training mechanism, strengthen teachers' course ideological and political theory learning, improve teachers' ideological and political literacy, strengthen ideological awareness, and make teachers fully aware of the importance of curriculum ideology and politics. At the same time, optimize the structure of teachers' knowledge and ability, and transform the previous knowledge and ability structure of professional courses into a structure that pays equal attention to ideological and political education and knowledge and skills teaching. Further clarify the course ideological and political teaching policies and objectives to ensure the effectiveness of course ideological and political teaching. Actively carry out various teaching and research activities, strengthen teachers' ideological and political ability and professional teaching ability, and help teachers fully understand the goals, requirements and content of ideological and political education. In addition, build a communication platform for course ideological and political teachers, regularly hold seminars on ideological and political issues of engineering cost professional courses, public demonstration meetings, etc., to strengthen interaction and communication between teachers, so as to summarize good cases in a timely manner, accumulate more experience, and promote course ideological and political teaching Quality improvement. In order to verify and assess teachers' ideological and political abilities in courses, schools should actively organize various teaching design competitions, open courses on ideological and political courses, etc.

### **5. Conclusion**

This article takes the course "Engineering Cost Management" for the engineering cost major as an example to discuss the ideological and political reform of this course. Through the reform and innovation of teaching resources, teaching methods, teaching activities, teaching evaluation and other aspects, it can promote the all-round development of students and realize the course ideological and political education. It is organically combined with professional knowledge education to achieve the effect of "cultivating talents" and "cultivating people". The teaching feedback shows that through the teaching reform measures of this course, the teaching quality of the course can be optimized and improved, and the students can gain higher recognition and acceptance, which has a high reference value.

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