

# Research on the Construction Method of Curriculum Ideology and Politics Resource Library for Professional Courses

Ping Chen, Bin Zhang\*

chenping\_hg82@163.com; Correspondence: 359340850@qq.com

School of Power Engineering, Naval University of Engineering, Wuhan 430033, China;

**Abstract.** Comprehensively promoting curriculum ideological and political construction is a strategic measure to carry out the fundamental task of cultivating morality and cultivating people, and curriculum ideological and political construction is an important task to comprehensively improve the quality of personnel training. In order to fully implement the ideological and political resource database of specialized courses, this paper discusses in detail how to construct diversified and informationized ideological and political resource database of specialized courses from the perspective of necessity, purpose and method of construction.

**Keywords:** curriculum ideological and political; resource library; ideological and political elements; ideological and political ability

## 1 Introduction

For a long time, the traditional curriculum teaching, especially the science and engineering courses, regards knowledge transfer as the main task, and neglects the cultivation of students' ideology and morality. Most of the jobs in Marine engineering in our school are under deck, where the working environment is noisy and greasy, and the personnel are not stable, so they cannot devote themselves to their work. As the guardian of the heart of the ship, it is dangerous to have such negative emotions. Due to the professional work of some personnel do not take the initiative to ask for progress, the sense of responsibility is not strong, resulting in major accidents or failures of ship equipment are common. The main reason for this situation is that the ideological and political education contents such as technical ethics, sense of responsibility and feelings of home and country are ignored in professional education.

As the guardian guardian of the "heart" of the ship, mechanical and electrical posts have big responsibilities, heavy tasks and poor working environment, which is particularly important for students to cultivate the dynamic spirit of "steadfast, truth-seeking, dedication and innovation" in school. However, the ideological and political methods of Marine engineering courses are scattered and shallow, lacking the guidance of dynamic spirit cultivation, systematic and penetrating methods. According to the Guidelines for Ideological and Political Construction in Higher Education Courses issued by the Ministry of Education, Curriculum construction is the "main battlefield" of curriculum ideological and political thinking, and classroom teaching is the "main channel" of curriculum ideological and political thinking. Therefore, based on the

thought of system theory, this paper firstly studies the methods and approaches of constructing the characteristic material base of ideological and political thinking in Marine engineering courses, and focuses on the whole process of cultivating dynamic spirit and diversified curriculum ideological and political methods on this basis[1].

## **2 Ideological and political necessity of specialized courses**

The fundamental goal of curriculum thinking is to educate people. Carry out ideological and political construction in Marine engineering courses, make the ideological and political objectives of the course integrate with the objectives of this course, organically integrate the professional knowledge of this course with ideological and political education, realize from knowledge education to emotional education, and finally to value guidance, and help students establish the correct core values of contemporary revolutionary soldiers.

Marine engineering courses are for junior and senior students, who will take on the responsibility of defending the country, international peacekeeping and emergency response in the future, but their ideas are not mature, and their values have not been fully formed. Through the ideological and political construction of this course, students are trained to establish a correct world outlook, outlook on life and values. Train students to take root in mechanical and electrical positions, give play to the spirit of craftsman, and safeguard the heart of the ship. Cultivate students' perfect pursuit of professional skills. Combined with the teaching practice, we actively explore the ideological and political elements in Marine engineering courses. Centering on the goal of "knowledge teaching and value guidance", we should firm political belief as the foundation, focus on combat skills as the core, and devote ourselves to military reform as the key. To cultivate high-quality talents who love the country and the army, serve and dedicate themselves to coastal defense.

## **3 curriculum ideological and political resource library construction objectives**

(1) With the goal of cultivating "red and professional" electromechanical people who are loyal to the Party, love the people, serve the country, dedicate to the mission, and advocate honor, this paper puts forward the ideological and political method of Marine engineering courses that runs through the spirit of power, which can be used as reference for other professional courses.

(2) The construction of "curriculum thought and politics" material library of internal combustion engine is conducive to the inheritance and renewal of the red gene and value of "curriculum thought and politics". It is a cross integration of the two lines of "professional" and "professional ethics" of soldiers, giving full play to the education function of Marine engineering courses with maximum energy efficiency and effectively improving the teaching quality.

(3) Apply information technology means to the teaching practice of ideological and political education courses of Marine engineering major, innovate the teaching methods of ideological and political education courses, and promote the effective implementation of the course "ideological and political education" from multiple angles and in an all-round way.

## **4 Construction methods of curriculum ideological and political resource base**

### **4.1 Investigate and sort out the status quo of moral education training of mechanical and electrical majors, find out the main problems of ideological and political construction in the curriculum, and put forward effective methods to carry out ideological and political construction in the curriculum**

First of all, I will deeply understand the important program documents issued by the Ministry of Education and the military, the spirit of national leaders' meeting speeches, collect and sort out the outstanding achievements published by predecessors; Secondly, investigate and visit the teachers and students who undertake this course or similar professional courses, organize the data, analyze the characteristics of the teaching objects, analyze and summarize the problems existing in the study and work attitude, performance, moral quality and professionalism of Marine engineering students and graduates, and then specifically analyze the causes of these problems. And in view of the existing problems, to find out the effective way to realize the course of Marine engineering[2].

### **4.2 Effective ways to improve the ideological and political ability of teachers of specialized courses**

Only when teachers realize the importance and necessity of ideological and political education subjectively, and actively enhance their ideological and political accomplishment and educational ability, can they form the internal motivation to carry out the reform of ideological and political education in curriculum. In the course of ideological and political education, teachers should constantly strengthen their self-cultivation, take the lead in following the example, and influence students with their own personality charm, thought and behavior and words and deeds, so as to become a model for students to learn. Teachers are required to accumulate, update and feel professional knowledge continuously, improve the height of knowledge control, and strive to become the disseminator of advanced thoughts and culture, so as to establish themselves by virtue, learn by virtue and teach by virtue. Only in this course can the teaching be attractive and imperceptibly, so that the traditional specialized courses can also become the main position to carry forward the theme and spread positive energy. The core values of contemporary revolutionary soldiers, protecting the home and the country, the spirit of craftsmanship, and professional ethics are constantly instilled in the minds of students. Based on the above requirements, the effective ways to improve the ideological and political ability of teachers of specialized courses are studied[3].

### **4.3 Excavate the ideological and political elements of the course and construct the characteristic material library of the course of Marine engineering**

To adopt the implementation concept of closely combining practical teaching and continuous construction, in order to improve students' ideological and moral quality and patriotic feelings, cultivate students' scientific attitude and spirit, stimulate students' innovative consciousness and spirit, as well as the cultivation of motivation spirit as the goal of guiding alone, respectively from the history of diesel engine development, subject frontier, equipment practice and other dimensions of material mining. Knowledge points are sorted out according to the Marine engineering course syllabus, and content design is carried out around "core values of contem-

porary revolutionary soldiers", "protecting the home and the country", "credit investigation", "professional ethics", "Craftsman spirit", "scientific and technological innovation" and "ideal responsibility". In the context of the development of contemporary science and technology, the construction of the navy and the demand for posts, the ideological and political elements will be explored, and the methodology, life outlook, values and world outlook reflected will be refined through some cases of technology, celebrity anecdotes and typical failures related to the course. On the basis of a deep understanding of the content and essence of the course, the teaching content is enhanced, and the ideological and political content is solidified through the form of teaching plans and courseware. At the same time, the construction of the diesel engine "curriculum ideological and political" material base, these materials can be transplanted and used in the actual teaching, to achieve the seamless connection and natural transition of the course and ideological and political resources. The ideological and political elements are integrated into the knowledge system of diesel engine, and the ideological and political material base adapted to the teaching dimension is established, so as to form the effect of knowledge transmission and ideological and political education in the same direction, and the effect of teaching and moral education in the same frequency[4].

#### **4.4 Integrate ideological and political elements into classroom teaching**

From review, introduction, teaching, summary, homework each link to find the point of entry, looking for learning, doing learning, so that the learning of this course into the mind of the effective teaching approach. "Curriculum ideological and political thinking" is not a simple and rigid embedding of ideological and political elements in the course. If the professional courses are taught as ideological and political courses stiffly, students will often have reverse psychology. The teaching process pays attention to the students' active cognition, identification and internalization, so that the teaching of this course can realize the improvement of professional knowledge and make the scientific knowledge of this major sublimate to philosophy. Combining theory with practice, innovating teaching methods, making curriculum ideological and political integration into internal combustion engine teaching[5].

#### **4.5 Optimize the course evaluation method and comprehensively evaluate the learning effect**

Assessment is the inspection of the course implementation process and results. Taking the ideological and political construction of the course as an opportunity, the course evaluation method of Marine engineering major should be optimized and scientific orientation should be established, so as to promote teaching by evaluation and create the "golden course" of Marine engineering major. When evaluating students' learning effect, we should pay attention to the final evaluation and process evaluation, and design a reasonable distribution ratio. In particular, the process evaluation should pay attention to students' classroom performance, thinking mode, learning method, moral quality, emotional attitude and other elements, and evaluate the learning effect comprehensively[6].

#### **4.6 Analysis and summary of ideological and political methods of Marine engineering courses**

This paper analyzes and summarizes the effect of ideological and political construction of Marine engineering major courses by means of examination results, classroom performance, communication, investigation and data analysis.

In the course implementation, the teaching design method is adopted to dig the ideological and political elements of the course knowledge points and construct the ideological and political material library of the integrated characteristic course. Cultivate the spirit of power, integrate practical content, carry out the ideological and political design of the course, and teach the spirit of power through all knowledge points. In the extracurricular, the recessive integration method is adopted to carry out knowledge competition of internal combustion engine, hold class meetings on the theme of dynamic spirit, and other ideological and political practice activities of diversified courses before and after class. Through the whole process, diversified curriculum ideological and political methods practice, strengthen the students' "practical, truth-seeking, dedication, innovation" dynamic spirit.

### **5 Conclusions**

The construction of ideological and political material database of Marine engineering professional course can effectively avoid teachers' repeated investment in the collection of ideological and political elements, solve the problem of insufficient excavation of ideological and political material and lack of ideological and political resources in the course, and construct a collaborative education mode of moral education and intellectual education through the cultivation of dynamic spirit, so as to deepen students' understanding of knowledge points. It can guide young students to sort out correct values and scientific methodology.

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