

Exploration on the Ideological and Political Construction of the Introduction Course of Electronic Information Engineering

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Abstract. It is extremely important to cultivate talents with both political and moral integrity, highlighting the importance of ideological and political education in the course of talent training in universities. The course of professional introduction is the first professional basic course for freshmen, which has a great impact on students' four years of study, and the ideological and political construction of the course in the professional introduction has a very important role in shaping students' personality and three outlooks. This paper analyzes the construction planning, implementation and evaluation results of the ideological and political construction of the introduction course of electronic information engineering in Xi'an Polytechnic University, and expounds the highlights of the reform of the ideological and political construction of the introduction course of electronic information specialty through the data in the paper, with a view to providing reference for the relevant professional introduction courses in relevant universities.

Keywords: Electronic information; professional introduction; curriculum ideological and political.

1. Introduction

The "four first-class" in China's higher education refer to first-class universities, first-class disciplines, first-class undergraduate courses and first-class majors. First-class specialty is the basic unit of first-class talent training. Only by building the specialty well the goal of cultivating first-class talents can be achieved [1-2]. The construction of first-class undergraduate majors has put forward higher requirements for the curriculum [3], and the integration of curriculum ideology and politics has also raised the curriculum teaching to a new level [4].

The introduction course of electronic information specialty is the first professional basic course that electronic information students learn after entering the university. It plays an extremely important role in the students' cognition, learning planning and the cognition of the three concepts. Through the explanation of the contents of the course, the discussion of engineering application examples and the integration of the ideological and political aspects of the course, students can have a comprehensive understanding of each specialty, correctly understand the basic concepts of the specialty, effectively stimulate students' interest in learning, cultivate students' good habits of autonomous and lifelong learning, acquire the ability to analyze and identify various electronic information systems, know the professional ethics and professional norms, strengthen the ideal and belief of students to participate in the socialist construction and the professional ethics of enterprises in the service industry [5].

2. Ideological and political construction planning of the introduction course of electronic information specialty

In the context of the global electronic information industry, the ideological and political construction of the course of Introduction to Electronic Information Profession should fully demonstrate China's development in the global economy, science and technology, society and other aspects, show the concept of national governance and comprehensive national strength by citing the classics, and achieve the purpose of emotional and value identification of the original color of ideological and political. The details are as follows:

(1) Conceptual design of curriculum ideological and political construction

On the basis of teaching students basic professional knowledge and cultivating students' interests, we should realize the identification education of socialist core values. Make students to identify with the theory, system and value of socialism with Chinese characteristics in the new era, and understand the core values of socialism; Understand China's basic national conditions, safeguard national interests, and have a sense of responsibility to promote national rejuvenation and social progress.

(2) Content design of curriculum ideological and political cases

The ideological and political course should not only reflect the difference from the ideological and political theory course in the public basic course, but also convey the connotation of ideological and political education, reflect the national characteristics, political identity, cultural self-confidence and other characteristics and core content, and highlight the fundamental task of establishing morality and cultivating people [6]; Through the integrated curriculum ideological and political cases, cultivate students' strategic awareness and overall view of China's future development.

(3) Achievement design of curriculum ideological and political construction

Produce effective results of ideological and political construction of curriculum. Actively reform the curriculum ideological and political cases, reform the curriculum teaching mode, methods, means and other aspects, boldly innovate the open teaching mode, and summarize the experience in the teaching process, build the curriculum ideological and political case library, curriculum ideological and political micro-class, micro-video and other network-usable curriculum materials, and introduce the above materials into the actual teaching.

(4) Design of curriculum ideological and political construction guarantee system

In order to improve the overall teaching level of the course, the teaching team is encouraged to improve the teaching level and professional ability through communication with well-known teachers of the same course, various seminars, refresher courses and special training according to the school and professional positioning and the training characteristics of the teaching team.

3. Strengthen the all-round penetration of practice

The course team internalized the practical link of the introduction to electronic information specialty into the extracurricular work of students on the topics assigned by teachers and the classroom discussion link, which includes data access, group discussion, the field survey of electronic equipment, and interviews with relevant companies and enterprises.

(1) Classroom teaching process emphasizes curriculum ideological and political

In the classroom teaching, strengthen the ideological and political construction of the curriculum, form a unified understanding among students, help students correctly understand the internal meaning of ideological and political elements, and constantly strengthen students' attention to the integration of ideological and political elements, the reception and mastery of ideological and political connotation [7]. In the teaching such as homework, classroom questioning, classroom discussion and homework, the evaluation criteria for the ideological and political objectives of the course should be clarified to promote the students' and ideological and political quality.

(2) Assessment reflecting ideological and political elements in curriculum assessment

Promoting learning through examination is one of the important measures to improve the teaching effect. In order to better promote and improve the ideological and political construction of professional courses, in the assessment of professional courses, targeted assessment questions related to the ideological and political content of courses are set, such as national pride and technology, learning concepts and professional ethics, so as to effectively promote students' understanding of the ideological and political content of courses.

(3) Continue to follow up and learn about students' learning

Analyze the effect of curriculum ideological and political implementation in combination with students' course learning and various performances, and form a closed loop through the continuous

improvement measures, and effectively optimize each teaching link again, so as to improve the effect of the course teaching.

In the process of the course of electronic information specialty, the ideological and political elements of the course are infiltrated into the teaching, as it shown in Table 1.

Table 1 Integration of curriculum ideology and politics in classroom teaching

Chapter	Content of courses	Ideological and political elements of the curriculum
1	mobile communication	National pride
2	Integrated circuit	Patriotism
3	The core of calculation	Spirit of scientific struggle
4	Information storage	Occupation morality
5	Digital image	Ideal and belief
6	Human-computer interaction	Human ethics
7	Mobile Internet	Innovate spirit
8	Application software	Entrepreneurship
9	train objective	Lifelong learning spirit
10	University and its learning strategy	Professional ethics of enterprises
11	Engineering application cases	Positive energy mentality
12	Test	Assessment of ideological and political questions

4. Implementation effect and evaluation of curriculum thinking

Integrate curriculum ideology and politics into the curriculum objectives, and take the Grade 2022, 2021 and 2020 students of Xi'an University of Engineering to learn the introduction course of electronic information specialty as an example to illustrate the achievement of its curriculum objectives. The students at the above three levels were evaluated by the course goal achievement questionnaire, with 150 students at each grade. The statistical data obtained are shown in Figure 1.

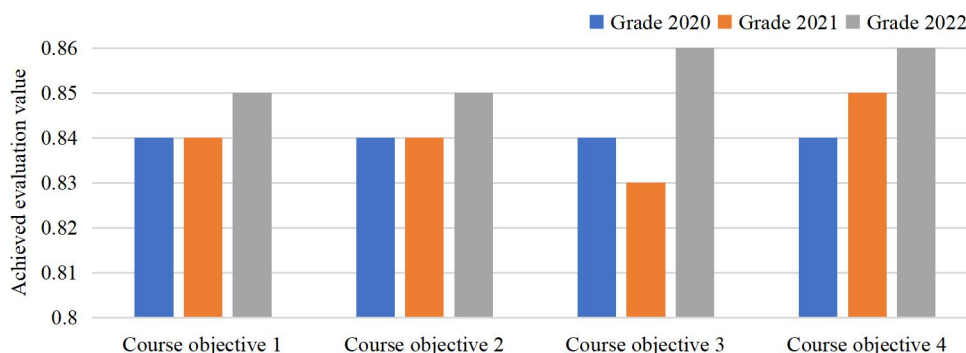


Figure 1 The qualitative evaluation value of students' achievement of curriculum objectives

It can be seen from Figure 1 that the students of Grade 2022 have the highest self-evaluation value on the course objectives, which shows that they have a high degree of confidence in mastering the knowledge points of professional introduction, and also shows that students have a good absorption of classroom knowledge. At the same time, the course team conducted a survey on whether students master the main ideological and political elements, as it shown in Table 2.

Table 2 Statistics of students' mastery

Main Ideological and Political element	Grade 2020' mastery			Grade 2021' mastery			Grade 2022' mastery		
	Good	Basic	Not	Good	Basic	Not	Good	Basic	Not
National pride	150			150			150		
Patriotism	150			150			150		
Spirit of scientific struggle	150			150			150		
Occupation morality	150			150			150		

Ideal and belief	150			150			150		
Human ethics	150			150			150		
Innovate spirit	150			150			150		
Entrepreneurship	145	5		147	3		148	2	
Lifelong learning spirit	148	2		148	2		149	1	
Professional ethics of enterprises	150			150			150		

The figures in Table 2 represent the number of students. There are 150 students at each grade of 2020, 2021 and 2022. Each student is surveyed. From the data in Table 2, it can be seen that the vast majority of students have mastered the ideological and political elements. In terms of entrepreneurship and lifelong learning spirit, some students have shown that they are basically mastering the ideological and political elements. At the same time, during the return visit, the students also expressed their approval for the integration of curriculum ideology and politics into the curriculum, so that they can have a deeper understanding of the important spirit and quality of China's national spirit, belief and continuous learning.

5. Summary

Pay attention to exploring the ideological and political elements such as engineering ethics, patriotism, professional ethics contained in the introduction course of electronic information specialty, organically integrate into the knowledge teaching and ability training in the professional courses, and improve the attractiveness and educational effect of the course. From the students' mastery and self-evaluation of ideological and political elements in the implementation of the curriculum, it can be seen that the ideological and political elements of the curriculum have achieved good recognition, the overall benefit of students is high, and the quality of talent training has been improved.

Founding

This research was funded by Xi'an Engineering University Curriculum Ideological and Political Construction Key Project, Shaanxi Higher Education Teaching Reform Research Key Project (13BZ60).

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