



# Professional Course Construction and Practice Based on Course Ideological and Political Education

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**Abstract.** Aiming at the ideological and political construction of course in the training of compound professional talents in colleges and universities with electric power characteristics, this paper discusses how to carry out course ideological and political education based on demand from two aspects of course ideological and political ideas and core elements, and course ideological and political practice methods. It emphasizes the integration of ideological and political elements with the teaching and practice of professional courses, and extends the ideological and political course to the collaborative education of industry, education and research, so as to cultivate compound talents who are responsible, willing to pay, innovative, and can effectively support the high-quality development of energy and power industry.

**Keywords:** Course Ideological and political · Major course · Electric power economy and management

## 1 Introduction

In order to meet the requirements of the society for electric power talents and graduates of electric power colleges and universities, the teaching contents and methods of the course of electric power economy and management also need to be adjusted accordingly. As a course with strong interdisciplinary nature, it is the direction and goal of the teaching reform of electric power economy and management course to fully integrate the ideological and political education of the course and strengthen the education of ideals and beliefs [1]. The purpose of teaching reform and construction is to meet a variety of needs of students and enterprises through the study of this course, including the needs of students in various majors of electrical engineering for power economy and management knowledge, the needs of students in economics and management majors of electric power colleges for practical ability to engage in grass-roots management business of electric power enterprises, and the needs of employees in the electric power industry to improve their professional development ability [2].

The rapid development of the energy and power industry, especially driven by the national strategic goal of “carbon peaking and carbon neutralization”, is in urgent need

of breakthroughs in new models and technologies, which are inseparable from the cultivation of more reliable and versatile power talents who can shoulder the mission of ensuring the national energy artery security. An urgent problem to be solved in the training of talents with complex electric power characteristics is how to improve the ideological and political construction of the course and realize the coordinated education of professional courses and ideological and political aspects [3]. This topic takes the electric power economy and management course as an example to carry out the construction and practice of professional courses based on the ideological and political concept of the course, mainly to excavate moral education resources from the course resources, transform the course resources and academic resources into moral education resources, pay attention to moral education while cultivating talents, realize the unity of talent education and moral education, and realize the unity of knowledge teaching and value guidance [4].

## **2 Concept and Elements of Ideological and Political Education**

### **2.1 Concept of Ideological and Political Education**

In view of the training of compound electric power talents, we must strengthen the ideological and political education work in colleges and universities, and make it clear that teaching is not only for the teaching of knowledge and skills, but also for the transmission of ideas and beliefs [5]. These constitute the starting point of the basic ideological and political concepts of the course [6]. Electric power is an important industry supporting the development of national economy. The moral education of compound electric power talents must start from the national ideological strategy, integrate with the teaching process of professional courses, bring ideological and political education into the classroom, achieve the same direction of professional course teaching and ideological and political education, form a synergistic effect, and form the unity of “course ideological and political” teaching and educational functions.

### **2.2 Elements of Ideological and Political Education**

The connotation elements of “course ideology and politics” include family and country feelings, personal morality and scientific outlook [7]. Among them, the feeling of family and country is the main body’s recognition of the community and the thoughts and ideas that promote its development, including the isomorphism of family and country, the consciousness of community and the feeling of benevolence; Personal morality is embodied in down-to-earth struggle, hard work, pragmatism, courage to take responsibility and so on [8]. Based on moral norms, continuous construction can promote people’s all-round development; The scientific outlook focuses on professional knowledge, research methods, innovative thinking and ability training [9]. Ideological and political elements are not simple elements, but constitute an organism with education as the core, which can be developed and integrated with each other, and can truly realize the natural integration process of ideological and political education and professional knowledge.

### **3 Implementation Methods of Ideological and Political Education**

Highlight the educational guidance of professional course teaching and practical training. In the teaching process of professional courses for compound electric power talents, the industry spirit is integrated into the professional courses, highlighting the educational orientation of course teaching and practical training [10]. Integrate the concept of equality in the spirit of the industry and the socialist core values into the professional course. At the same time, we should also adhere to value guidance in practical training and other courses to form an innovative personality education bureau.

Adhering to the talent cultivation concept of establishing morality and cultivating people, emphasizing moral education, aiming at the cultivation of compound talents with electric power characteristics, we carried out ideological and political reform activities covering the whole course, integrated ideological and political elements into the course, teaching content and teaching process, and focused on cultivating students' craftsmanship according to the characteristics of the electric power industry. The practice link of talent cultivation guides students to combine personal growth with meeting the needs of the country and society.

Throughout the whole talent training process. The talent training system includes teaching, teaching materials, disciplines, management, etc. The ideological and political work system can be integrated to achieve the organic combination of explicit and implicit education. Through this combination, the implementation of "course ideological and political" is conducive to promoting the all-round development of students, so as to give full play to the role of talents.

Expand and realize industry university research collaboration. Expand the ideological and political education of the course, and extend it to the training links of the off campus classroom, such as the integration of production and teaching. This is determined by the characteristics of the cultivation of composite electric power talents. The electric power industry is oriented to the national energy and power production and service field, and talent cultivation cannot be separated from production practice. In particular, the cultivation of composite electric power talents needs to deeply understand the front-line needs and solve industrial technical problems.

Focus on taking practice as the carrier of ideological and political education, while adhering to the guidance of party building, strive to expand the ideological and political course to the classroom outside the school, achieve the synergy of production, teaching and research, and guide students to grow in social practice and service society.

### **4 Practice in the Course of Electric Power Economy and Management**

Take the ideological and political education teaching of the course as the root, strengthen and enhance teachers' moral awareness and ability in teaching, and cultivate students' ideological and political literacy; With professional teaching as the backbone, through classroom teaching, goal oriented independent learning and discussion, students can complete the knowledge reserve of power economy and management. Taking the basic

concept cognition, power enterprise management, and power system economic operation as the starting point, we will integrate theoretical self-confidence, cultural self-confidence, power system development history, professional quality and craftsmanship spirit, professional ethics and professional theory, scientific methods and ecological civilization into teaching, and establish a hybrid teaching idea that combines ideological education and professional teaching. The combination of ideological and political education and professional teaching is adopted to formulate an effective teaching plan for cultivating morality and talents.

## 5 Conclusions

The concept and connotation elements of ideological and political course are worthy of in-depth analysis and research. Especially for the cultivation of high-level talents under the background of special industries, the concept of ideological and political course should be integrated into the whole process of talent cultivation. Adhere to the education orientation of professional course teaching and practical training, expand and extend the ideological and political education of the course to the off campus classroom, realize the collaborative education of industry, education and research, and implement long-term evaluation, so as to implement the ideological and political concept of the course more comprehensively, which is conducive to training more compound talents that can support the high-quality development of the industry.

As a course offered at the same time by all majors of electrical engineering and economic and management majors of electric power colleges, “electric power economy and management” should have its unique style and system design. In the teaching process, this course fully integrates the ideological and political elements of the course, constantly deepens the improvement of teaching philosophy and value orientation, and carries out diversified innovation and reform in teaching content and teaching methods. Adhering to the teacher’s leading role has improved the teachers’ ideological and political awareness and ability of course. Adhere to the subjectivity of students, so that students can widely participate in the course teaching process. While meeting the students’ knowledge needs, it emphasizes that the ideological and political education of the course should shape the students’ correct values and historical views, adhere to the unity of the value and knowledge of the course itself, improve the students’ innovative thinking ability, and meet the training needs of electric power complex talents.

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## References

1. Jin Liuhe, Gao Zhe Reflections on “Course Ideological and Political” [J] Modern Vocational Education, 2017 (18): 60
2. Wang Xuejian, Shi Yan The connotation, characteristics, difficulties and coping strategies of ideological and political course in the new era [J] Journal of Xinjiang Normal University (Philosophy and Social Sciences Edition), 2020, 41 (02): 50–58
3. Sun Zhiwei The key problems and solutions to the ideological and political construction of science and engineering courses [J] Research on Ideological and Political Course, 2019 (01): 93–97
4. Yan Jun. Exploration and Practice of Talent Cultivation of “Course Ideology and Politics” in the Course of Power Electronics Technology [J] World of Labor Security, 2019 (35): 56
5. Liu L Z , Wang Q , Yang F . The Research and Practice on Professional Construction for Information and Computational Science in New Engineering Institutions[J]. Journal of East China Institute of Technology (Social Science), 2010.
6. Wei L. Construction of proactive practice course based on the development of professional ability[J]. Experimental Technology and Management, 2011.
7. Zhi-Rong W U, Zhang X. The Exploration and Practice of Electronic Technique Basis Course Construction in High Professional Technical[J]. Journal of Ningbo Polytechnic, 2004.
8. Sun M, Geng Y, Liu Z . Construction and Practice of the Teaching Mode of “1234” in the Cognitive Internship Course of Tourism Management Major[J]. Journal of Higher Education, 2019.
9. ZhouXuemei. Highlighting Characteristics and Paying Attention to Application -- A Preliminary Study on the Teaching Reform of Electric Power Economy and Management [J]. Modern Communication, 2016 (07): 99
10. HeYongxiu, Guan Jie. Research on Course Construction of Power Technology and Economic Management [J]. Human Resources Management, 2015 (10): 148-149

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