

Exploration on the Integration of Ideology and Politics in the Basic Courses of Mechanical Manufacturing Technology under the Conditions of the New Era

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Abstract: This article aims to explore the integration of basic courses in mechanical manufacturing technology and ideological and political education under the conditions of the new era. By analyzing the characteristics of the basic courses of mechanical manufacturing technology and the importance of ideological and political education, the idea of integrating ideological and political education into the basic courses of mechanical manufacturing technology is proposed. Exploring how to combine ideological and political elements with the content of basic courses in mechanical manufacturing technology to achieve the dual goals of knowledge transmission and value guidance.

Keywords: Mechanical Manufacturing Technology; Ideological and Political Education; Integration; The New Era.

1. Introduction

In the context of the new era, college education is actively exploring the integration model of ideological and political courses to cultivate students with socialist core values and improve their ideological and moral quality and comprehensive quality. The basic course of mechanical manufacturing technology is an important basic course for mechanical majors in colleges and universities, and it is of great significance to integrate ideological and political education into it. This article aims to explore how to integrate ideological and political education into the basic courses of mechanical manufacturing technology under the conditions of the new era to achieve an organic integration of the two.

2. The Integration Point of Basic Mechanical Manufacturing Technology Courses and Ideological and Political Education

2.1. Promote the Spirit of Science and Craftsmanship

The basic course of mechanical manufacturing technology emphasizes the promotion of scientific spirit and craftsmanship. Through course study, students should master the basic theories and practical skills of mechanical manufacturing, and at the same time have a rigorous scientific attitude and a craftsman spirit of excellence. This is consistent with the core socialist values emphasized in ideological and political education. Through typical cases, case analysis and other methods, students can be guided to deeply understand the connotation and value of craftsmanship, and then cultivate their professionalism, innovation consciousness and sense of responsibility.

2.2. Strengthen Professional Ethics and Professionalism

The basic course of mechanical manufacturing technology not only focuses on the cultivation of students' professional

skills, but also focuses on the cultivation of professional ethics and professional qualities. In the course, industry standards and professional norms can be introduced to guide students to understand and abide by relevant regulations and cultivate their professional ethics and professional qualities. At the same time, through classroom interaction, group discussions and other forms, students are encouraged to conduct self-evaluation and career planning to improve their self-awareness and career awareness.

2.3. Cultivate Teamwork and Innovative Spirit

Many practical links in the basic courses of mechanical manufacturing technology require students to complete them in groups. In this process, students need to learn teamwork, communication, coordination and innovation skills. This is consistent with the cultivation of collectivism, social responsibility and innovation ability emphasized in ideological and political education. Teachers can guide students to engage in teamwork and innovative practices by designing challenging problems or projects, so as to cultivate their comprehensive qualities.

3. Implementation Strategies for the Integration of Ideology and Politics in the Basic Courses of Mechanical Manufacturing Technology

3.1. Dig Deeper into the Ideological and Political Elements in the Course

In order to realize the organic integration of basic mechanical manufacturing technology courses and ideological and political education, teachers need to deeply explore the ideological and political elements in the courses. This includes aspects such as scientific spirit, craftsmanship, professional ethics, professionalism, teamwork and innovative spirit. Teachers can guide students to pay attention to and think about these elements through case analysis, class discussions, group projects, etc., so that they can subtly accept ideological and political education in course learning.

3.2. Optimize Course Design and Teaching Methods

In order to improve the effect of ideological and political integration, teachers need to optimize course design and teaching methods. For example, a teaching model that combines online and offline can be adopted, using online platforms and multimedia resources to enrich course content and expand students' learning channels. At the same time, highly interactive teaching methods such as project-based teaching method and case teaching method can be used to encourage students to actively participate in classroom discussions and practical operations, and improve their enthusiasm and initiative for learning.

3.3. Improve Teachers' Ideological and Political Awareness and Educational Capabilities

Teachers are the key factor in realizing the integration of ideology and politics in the basic courses of mechanical manufacturing technology. Therefore, colleges and universities should strengthen the cultivation of teachers' ideological and political awareness and educational abilities. Teachers' ideological and political awareness and educational capabilities can be improved by organizing teachers to participate in ideological and political education training, discussion exchanges, and academic seminars, so that they can better integrate ideological and political education into

course teaching.

4. Conclusion

Under the conditions of the new era, it is of great significance to integrate ideological and political education into the basic courses of mechanical manufacturing technology. By deeply exploring the ideological and political elements in the curriculum, optimizing curriculum design and teaching methods, and improving teachers' ideological and political awareness and educational capabilities, we can achieve an organic integration of the two and cultivate high-quality mechanics with socialist core values. professional talents.

References

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