Discussion on Course Ideological and Political Education in Engineering Major

Hairong Mi\textsuperscript{a}, Chunli Wang\textsuperscript{b}, Di Guan\textsuperscript{c}, Jian He, Wenyan Liang, Hong Li and Xuan Gu

College of Aerospace and Civil Engineering, Harbin Engineering University, Harbin, 150001, Heilongjiang, China

\textsuperscript{a}mihairong@hrbeu.edu.cn, \textsuperscript{b}spring555555@126.com, \textsuperscript{c}guandi@hrbeu.edu.cn

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Abstract: In order to achieve the fundamental goal of moral education in colleges and universities in the new era, engineering majors must transform the traditional education model focusing on scientific and technological knowledge, attach great importance to the significance of curriculum ideology and politics to improve the quality of professional talents, and use student-centered, high-quality teachers to guide the way. The method, formulate a reasonable evaluation model covering "course ideology and politics", and give full play to the educational value and function of each course of engineering majors.

1 Introduction

Since 2016, general secretary Xi Jinping put forward the idea of "making all kinds of courses and ideological and political theory courses with colleagues" at the National Conference on Ideological and political work in Colleges and universities nationwide, colleges and universities are working hard to carry out "three all-round education" to ensure the completion of the fundamental task of "moral education and moral cultivation" in Colleges and universities. The teaching model of natural science knowledge teaching that the engineering majors in Colleges and universities are accustomed to needs to be changed. College educators should be aware of the importance of Ideological and political courses for the cultivation of professional talents, and actively explore and boldly practice.

2 The significance of Ideological and political courses to improve the quality of professional personnel training

2.1 Ideological and political education is an important guarantee for moral education

The training goal of engineering majors is technical and innovative talents. To establish morality and cultivate talents, and to educate talents and talents, which are always emphasized, are to guide students to become qualified socialist builders and successors for all-round development. In the student stage, morality is mainly reflected by the guidance of Ideological and political education and teaching. For most engineering majors, ideological and political courses account for less in the whole curriculum system. Taking the civil engineering major of our university as an example, the ideological and political courses in the 2014 version of the training program totaled 16 credits, accounting for 9.4% of the total credits. It can be seen that the duration of Ideological and political education is far less than that of professional education. Only when ideological education is introduced into the whole teaching process, can students receive ideological baptism and strengthen the responsibility of belief. The curriculum ideological and political education combines the original independent two organically and leaves no blank in the process of educating people. One classroom realizes two goals of educating people and talents.
2.2 Ideological and political education is an effective way to improve teachers' morality and style

At present, influenced by market economy, multi-culture and ideology, the construction of teachers' morality and style in Colleges and universities is deficient in their own political and ideological cultivation, and most of the teachers emphasize students' academic achievements unilaterally. Therefore, teachers have no consciousness or ability in guiding students' political and ideological development and shaping their sound personality. Therefore, to promote the development of Ideological and political courses smoothly, we should first do a good job in the construction of teachers' morality and style. We should guide teachers to conscientiously study the party's theoretical principles and policies, understand the national conditions and feelings, strengthen the education of socialist core values and excellent traditional culture, learn to analyze and judge new situations and new problems in a scientific way, and guide teachers to further study and understand Xi Jinping's new socialist thoughts with Chinese characteristics, and enhance road self-confidence, theoretical self-confidence, institutional self-confidence and culture. Self-confidence constantly improves political literacy and political theory level, take the lead in practicing socialist core values, and become a qualified "guide".

3 Implementation measures of Ideological and political education in the classroom

3.1 Take the problem as the guidance, change the teachers’ concept and practice all-round education

From "four good teachers" to "guide" to "full range and all-round education", general secretary Xi Jinping put forward new and higher requirements for the role orientation and mission of teachers' groups and pointed out the goal and direction for the construction of teaching staff. We will comprehensively promote "Ideological and political education in the curriculum" and make every effort to help young students "fasten the first button in their lives.". Teachers of engineering courses should not only teach students professional knowledge and skills but also think about the overall development strategy of the country. Their curriculum and specific teaching should fully tap the human nature, value care and strategic positioning behind natural science, so that students can learn professional courses from the national feelings and the overall development of the country To examine and solve problems from an angle, and to spread humanistic care in the brilliance of reason [1].

Teachers should consciously put morality and education into their own words and deeds. In the classroom, the majority of teachers should be problem-oriented, deeply integrate the intangible values education with the tangible professional knowledge, respond to the practical confusion of students in learning life with lively examples, train students' thinking methods and thinking ability, and promote the theoretical system of socialism with Chinese characteristics into the classroom. In the whole teaching process, teachers should not only integrate the socialist core values and the Chinese excellent traditional culture content into the teaching syllabus in advance, but also learn and use the forms of classroom teaching, interactive question and answer, teaching feedback, etc., skillfully integrate the essence of the socialist core values into the diversified classroom teaching, and move silently To achieve the goal of educating people silently.

3.2 Take students as the center and give full play to their subjective initiative

General secretary Xi Jinping pointed out that ideological and political work is fundamentally a human life work. We must focus on students, care for students, serve students, and constantly improve students' ideological level, political awareness, moral quality, and cultural accomplishment, so as to enable students to become [2] talents with all-around integrity and all-round development. First of all, the teaching content design of Ideological and political courses
should be close to students and students' life reality. According to the requirements of the times and the interests of students, we should carefully design the teaching content of Ideological and political courses, realize the explicit hidden moral education content, and really make the teaching content attract students. Secondly, we should fully mobilize the students' learning autonomy and improve their participation. Reform the classroom teaching, stimulate the vitality of classroom teaching, and establish a flipped classroom model with students as the main body of learning. According to the characteristics and requirements of the course content, large class, group discussion, and special report are combined to carry out classroom teaching. Increase classroom teaching interaction, adopt inquiry, case, experience and other methods to carry out teaching; build online and offline hybrid teaching, implement "Internet + Teaching", strengthen the construction of online demonstration course of "curriculum ideological and political", guide students to carry out in-depth exploration of teaching content through the question chain, so that students can synchronously realize morality in the process of independent exploration of truth Self-improvement of self-cultivation.

3.3 Innovation covers the evaluation system of "curriculum ideological and political education"

General Secretary Xi Jinping emphasized that the effectiveness of Li De Shu people should be regarded as the fundamental criterion for testing all schools' work. Establish a scientific assessment and evaluation system for professional teachers, adhere to the inclusion of teachers' Ethics in the assessment, reward and punishment system, talent selection methods, management evaluation indicators, adhere to the "one vote veto system" in the assessment of teachers' positions (titles), post-employment and evaluation awards, and put forward clear standards for teachers' ethics, assessment and evaluation indicators, professional ethics, students' ideological quality, etc. We should reform the evaluation method of teachers' teaching performance, pay attention to the evaluation of the process and effect of education, and encourage professional teachers to actively invest in the exploration and application of Ideological and political elements in their own major and discipline. We should extend the evaluation of curriculum teaching from a single professional dimension to multiple dimensions such as ideological guidance, human quality, social responsibility, innovation ability and entrepreneurship performance, so as to implement education well. We should guide people's value, carry out performance evaluation of education function and effectiveness, improve the long-term guarantee mechanism of curriculum education, effectively promote the unity of teaching and education, and maximize the main channel function of the classroom.

Following the discipline characteristics of engineering major, taking students as the center and problems as the guide, strengthening the construction of teachers' morality and style with the help of grass-roots party construction, through changing the concept of teachers, adjusting teaching methods and updating the teaching evaluation system, making the ideological and political courses go deep into the professional classroom, and effectively achieving the goal of cultivating talents for the party and the country.

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References


[2] Xi Jinping emphasized the ideological and political work throughout the whole process of education and teaching, creating a new prospect for the development of higher education in China [N]. people's daily, 2016-12-09.
