

Research on Teaching Reform of Architectural Construction Course Based on Curriculum Ideology and Politics for Architecture Major

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Abstract: Ideological and political education in higher education curriculum is based on the essential requirement of "educating people", and integrates such ideological and political elements as moral education, intellectual education, aesthetic education and values education into professional curriculum teaching, so as to comprehensively improve students' professional and political literacy. There are rich ideological and political education resources in the courses of architecture specialty. As an important professional basic course, the teaching effect of Architectural Construction Course affects the overall training level of the specialty. Therefore, based on the ideological and political education of the curriculum, this paper explores the innovative strategies and implementation paths of the teaching reform of Architectural Construction Course, which plays an important role in improving the comprehensive dimension of the teaching of architectural courses and building a teaching system with the core of educating, imparting, solving doubts and leading.

1. Introduction

In December 2020, the Central Propaganda Department and the Ministry of Education formulated the Implementation Plan for the Reform and Innovation of Ideological and Political Theory Courses in New Era Schools, which clearly pointed out that in the stage of higher education, it is important to strengthen students' mission, guide students to correctly understand the contemporary responsibility and historical mission, and correctly understand their lofty ambitions and down-to-earth.

With the rapid development of China's economic construction, a large number of architectural professionals are urgently needed. In the course teaching of the important professional basic course of architecture, Architectural Construction, it is imperative to fully implant the ideological and political elements of the course, comprehensively cultivate students' sense of social responsibility, guide students to establish correct architectural concepts, and cultivate students' craftsmanship spirit while imparting skills and knowledge.

2. The overall development trend of curriculum ideological and political teaching in higher education

Building morality and cultivating people is the foundation of a university, comprehensively promoting ideological and political construction of courses is a strategic measure to implement the fundamental task of building morality and cultivating people, and attaching importance to ideological and political education is a distinctive feature of China's higher education. In recent years, the curriculum ideology and politics construction of higher education in China has been promoted systematically. From the "ideological and political curriculum" to the "curriculum ideology and politics" and then to the "big ideological and political curriculum" education pattern, the ideological and political construction of local curriculum has its own characteristics. The ideological and political construction of curriculum has gradually entered the fast lane of high-quality development from the initial exploration, and has become the "new normal" of moral cultivation.

High quality development is the current direction of the ideological and political education construction of higher education curriculum in China, and the Ministry of Education has made arrangements for this. The Work Points of the Ministry of Education in 2022 proposed to comprehensively promote the construction of ideological and political courses in schools. The Work Points of the Department of Higher Education in 2022 put forward that we should deepen the ideological and political construction of college courses, deeply implement the Guidelines for Ideological and Political Construction of College Courses, lead and drive the high-quality ideological and political construction of college courses across the country, so as to usher in new breakthroughs for China's education[1].

3. The current situation of curriculum ideological and political teaching in architecture courses in colleges and universities

Architecture is an integrated product of the three systems of human, environment and engineering technology. It not only contains the technical elements of architectural engineering, but also permeates the humanistic elements such as aesthetics and ethics and social elements such as economy, management and law. In recent years, the high standard demand for architectural professionals has prompted the unprecedented attention to the core value of architectural education. The education of architecture specialty shoulders the important mission of cultivating innovative and entrepreneurial talents for urban and rural construction. The ideological and political education of architecture specialty courses is an important guarantee to realize knowledge teaching and value guidance in professional teaching. At present, there are still many deficiencies in the understanding and development of the ideological and political education of the architecture major courses in China's higher education, which is not conducive to stimulating students' sense of mission to participate in China's new urbanization, and is not conducive to stimulating students to realize social values in their career.

4. Teaching reform and innovation strategy of architectural Construction based on curriculum ideology and politics

4.1. Combine knowledge teaching with belief shaping to reform classroom teaching methods

In the contemporary era of value diversification, college students have become the focus of various social trends and values. Whether college students majoring in architecture can establish a scientific belief and correctly understand their responsibilities and historical missions in urban and rural construction is not only related to their healthy growth, but also affects the future construction and

development of the country.

In order to achieve the goal of ideological and political education in the course of Architectural Construction, teachers should implant belief shaping, value guidance, etc. into knowledge teaching in the course of teaching content, and use the power of belief to guide students to grow and become successful[2]. In addition to elaborately designing and integrating ideological and political elements into teaching, we should try our best to make every class outstanding, flexibly use heuristic teaching, interactive teaching, typical case teaching, flipped classroom teaching, classroom discussion teaching and other methods, vividly display the knowledge system integrated with curriculum ideological and political elements, and realize the organic unity of "knowledge teaching" and "value guidance".

4.2. Combine comprehensive teaching with special lectures to activate and enrich teaching methods

Comprehensive teaching refers to the comprehensive teaching of knowledge points by teachers in accordance with the requirements of the syllabus in the course of Building Construction. But for college students in the information age, on the one hand, ideological and political education needs to keep pace with the times, on the other hand, professional knowledge learning needs to constantly supplement new knowledge, and comprehensive teaching can no longer meet their needs for knowledge.

The comprehensive teaching and special lectures are combined. In the course teaching of Architectural Construction, based on the knowledge points required by the comprehensive teaching syllabus, we focus on the theoretical and practical problems that students generally care about, new technology and new materials, typical problems of ideological and political education, etc., carefully design special topics, and carry out special teaching. In thematic teaching, we should focus on the key content of the course with a certain degree of academic research, not rigidly adhere to the form of classroom teaching, not limited to the teaching category of this course, and at the same time, with the help of a variety of modern multimedia assisted teaching methods, so that the information imparted to students can be truly refined, deep, new and useful.

4.3. Combining theoretical learning with practical application and going out of classroom on-site teaching

The combination of theoretical learning and practical application of architectural engineering design and construction is the basic principle of the teaching of Architectural Construction. For students, it is not easy to understand their structure and practice only by drawing, writing and teacher's description. It is often the theory study that is very serious, and I am at a loss in the specific design.

The combination of theoretical learning and practical application in the teaching of Architectural Construction, actually means that the contents involved in specific chapters should not only be explained to students from the aspects of structural design principles and application conditions, but also from the aspects of theoretical basis and practical principles, so as to explain practice with theory and confirm theory with practice. If on-site teaching, visual display teaching in building construction laboratory, building construction model building training and other practical application teaching links are set up in the course, not only can students' professional foundation be comprehensively improved, but also with the help of on-site teaching, craftsmanship skills can be taught, craftsmanship spirit can be spread, ideological and political teaching of the course can be infiltrated into students' hearts with success, and students can be helped to shape a correct world outlook, outlook on life, and values.

4.4. Combination of online edification and offline teaching, integration and optimization of teaching mode

With the rapid popularization of the Internet, contemporary college students are almost all online, daily and everywhere. This requires teachers to carry out ideological and political innovation in the teaching of Architectural Construction, establish network thinking and use the convenience brought by information technology. Cleverly hide teaching and learning into the transmission of network information, and enhance students' acceptance, identification and acquisition of ideological and political education.

On the one hand, in addition to using online course learning sites to enrich learning resources, we can also use the educational functions of new media network platforms such as Tiktok, Kwai, and micro film to specifically explain hot and difficult issues in teaching in a form that students like to see and hear, so as to stimulate students' interest in learning. On the other hand, in addition to using online course sites to set up homework and discussion, we can also use new media platforms such as WeChat and Weibo, which are widely used by students, to publish learning tasks and set discussion topics, so as to enhance the appeal and appeal of ideological and political elements, make ideological and political education come alive, and truly achieve infiltration and edification education, which is ubiquitous and moistens things silently.

5. Implementation path of architectural Construction teaching reform based on curriculum ideology and politics

5.1. In combination with the characteristics of Architectural Construction, deeply explore the ideological and political education elements of the curriculum

In a broad sense, ideological and political elements include scientific world outlook, outlook on life, values and morality, as well as mental health. The ideological and political education of Architectural Construction should focus on the overall development law of the architecture specialty. Starting from the teaching syllabus, we should attach importance to the exploration and sublimation of the ideological and political elements in knowledge points, connect the points of each ideological and political element into a line, and then weave into a network, finally forming the ideological and political module of the curriculum.

In order to systematically and organically integrate the ideological and political elements into the teaching classroom, teaching practice and scientific research of the Architectural Construction course, the author, through systematic analysis and teaching practice, has dug out such ideas as craftsmanship, honesty and trustworthiness, meticulousness, excellence, discipline and law compliance, strict science, professionalism, professional ethics, legal concept, professional quality, conscientiousness, positive energy, preciseness, humanistic quality, professional knowledge Political thought, professional skills, feasibility, necessity, and keeping the bottom line are many ideological and political elements that fit the curriculum. Then in the specific teaching, through cases and practice, the basic principles of being a man and doing things, and the socialist core values are integrated into the curriculum and teaching design to help students understand the national conditions and people's conditions, establish lofty ideals, and stimulate the feelings of home and country and architects.

5.2. Give full play to the role of the main channel of the classroom and realize the imperceptible influence of ideological and political guidance

Curriculum ideological and political education is a kind of implicit education. It is an important way to guide students to realize their personal and social values by exerting the role of the main

channel of the classroom and imperceptibly guiding students' thoughts. In the process of integrating the ideological and political elements of the curriculum into the classroom, help students improve their ideological understanding, absorb positive energy, and give full play to the role of motivation.

The ideological and political education of Architectural Construction course should spread advanced culture imperceptibly, so that students can constantly enhance their cultural self-confidence, and integrate this self-confidence into their own thoughts and actions, so as to develop a cultural consciousness. At the same time, teachers actively guide students to combine knowledge exploration, scientific and technological progress with national development and comprehensive national strength, and combine scientific practice and achievements with life goals and value realization. We should not only teach students how to apply professional knowledge to enable them to have professional ability based on society, but also do a good job of establishing morality and cultivating people, so that students can have good character and become comprehensive talents with both ability and morality and comprehensive development.

5.3. Increase the learning strength of teaching research and strengthen the overall improvement of teachers' comprehensive cultivation

Teachers are the key to the ideological and political construction of the curriculum. The premise of a good ideological and political curriculum is to do a good job of teaching by words and deeds, so that educators receive education first. The ideological and political construction of curriculum is the origin of "preaching, teaching, and solving doubts" for college teachers, and is the foundation and responsibility of every educator since ancient times. We should not only be proficient in "imparting knowledge" and "solving doubts", but also take "preaching" as our responsibility and mission, and never forget our national mission and social responsibility.

6. Conclusion

The key to implementing the fundamental task of establishing morality and cultivating people for college students is to carry out the ideological and political construction of professional courses. To develop the ideological and political construction of the Architectural Construction course of architecture specialty with high quality, first of all, let students feel the experiential cognition and generate value judgments in the learning process of professional knowledge; Secondly, we should do a good job in the overall design of ideological and political courses, and at the same time, we should find the right entry point for knowledge to organically integrate the ideological and political theory, so that students can naturally have emotional resonance, and form a synergistic effect of moral and human cultivation; Finally, teachers should pay attention to the organic integration of the basic theory and cutting-edge knowledge of the curriculum with the national strategy and social hot spots through continuous learning to promote students to face the learning of professional curriculum knowledge with high enthusiasm. Teachers and students work hand in hand to achieve the goal of cultivating compound talents with morality, faith, emotion and responsibility for urban and rural construction in the new era.

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References

- [1] Liu S, Zhang R, Zhang X & Zhang L. *The teaching reform and practice of Architectural Construction based on the ideological and political curriculum*, 2021.
- [2] Xu B, and Cheng G. *Research on the methods and approaches of ideological and political education infiltration in architectural courses -- Taking the architectural Construction course as an example*. *Modern Vocational Education*, 2019, 9: 2.