

On the Integration Approaches of Curriculum Ideological and Political Education in “Housing Architecture” Course

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Abstract

Curriculum ideological and political education is a comprehensive educational concept that regards “morality cultivation” as the fundamental task of education. By integrating ideological and political education elements into various courses, it exerts a subtle influence on students’ ideology and behavior. As the basic course of Architectural Engineering Majors, “Housing Architecture” also needs to carry the function of ideological and political education, fully expands the connotation of the discipline, enriches the content of professional courses, and practices the fundamental task of moral education.

Keywords

“Housing Architecture”; Curriculum Ideological and Political Education; Integration Approaches.

1. Introduction

In December 2016, President Xi Jinping stressed in the National Conference on Ideological and political work in Colleges and Universities that, in order to do a good job in ideological and political work in colleges and universities, it is required to make full use of classroom teaching as the main channel, and other courses should be assured to “keep a good channel and cultivate a good field of responsibility”, thus, all kinds of courses and ideological and political theory courses advance harmoniously in the same direction, and form a collaborative effect. In August 2019, the General Office of the Central Committee of the Communist Party of China and the General Office of the State Council issued “a number of opinions on deepening the reform and innovation of ideological and political theory courses in schools in the new era”, which put forward the problem of in-depth mining of the mutual cooperation between various courses and ideological and political courses in various disciplines in colleges and universities, giving full play to the educational function of all courses, constructing a comprehensive coverage, rich types, progressive levels and mutual support curriculum system, so that all kinds of courses and ideological and political courses go hand in hand and form a synergistic effect. It can be seen that colleges and universities should run ideological and political work through the whole process of education and teaching, build a comprehensive education system of moral, intellectual, physical, aesthetic and labor training and a high-level personnel training system, comprehensively improve students’ ideological and political quality, and make the students socialist builders and successors with both morality and talent and comprehensive development.

In response to the new requirements of the CPC Central Committee for the curriculum of colleges and universities in the new era, “Housing Architecture”, as a basic course of Architectural Engineering Majors, also needs to carry out the functions of ideological and political education, fully expands the connotation of the subject, enriches the content of the

original professional courses, and practices the fundamental task of cultivating people with morality.

2. Brief Introduction to “Housing Architecture” Course

Buildings are ubiquitous in people’s production and life, and are closely related to people’s lives. The functions and shapes of various types of buildings are different, and their styles are diverse. With the progress of society and the improvement of architectural technology, especially people’s attention to ecological environmental protection and energy saving consciousness, higher requirements are put forward for buildings in terms of function, space and shape.

“Housing Architecture” is a comprehensive course to study architectural function and space design, architectural structure theory and method. It is also a compulsory basic course for students majoring in Architectural Engineering, including Civil Engineering, Engineering Management, Engineering Cost and other majors. The course content covers a wide range, mainly including two parts of architectural design principle and architectural structure. Architectural design principles involve design knowledge such as vertical section; the construction principle includes the construction principle and construction method of the six parts of the building [1]. This course lays the necessary professional basic knowledge for the follow-up professional courses and curriculum design, graduation design and other practical links. It is considered as a practical, social and comprehensive course [2].

3. Curriculum Objectives

3.1. Knowledge objectives

The knowledge objectives of “Housing Architecture” Course is not limited to mastering the design methods of civil architecture and understanding the design methods of industrial architecture. It is also reflected in the teaching process to increase the appreciation of different types of excellent buildings at home and abroad, expand students’ knowledge, and let students take the initiative from civil buildings to excellent buildings, so as to improve students’ professional ability.

3.2. Value Objectives

Based on the professional characteristics of students, it is significant to integrate the socialist core values of patriotism, dedication, integrity and friendship in teaching period. Through case analysis and practical training, it is of great use to gradually establish and cultivate students’ national feelings, professional ethics and social responsibility. By means of the analysis and discussion of the problem, it is of much help to guide students to establish a correct view of occupation, ethics and values.

3.3. Capability Objectives

The Course aims to cultivate students’ ability to complete the design of civil buildings independently and have the ability to comment on and explain the architectural design, so that students can do, speak and express well. To sum up, the course can guide students to analyze and solve problems in order to get passion for scientific exploration.

3.4. Quality Objectives

The cultivation of students’ humanistic spirit and aesthetic cognitive ability is penetrated into the teaching of “Housing Architecture” Course teaching to stimulate students’ interest in learning, cultivate students’ scientific attitude and innovative spirit, and make students become innovative talents with a harmonious combination of scientific spirit and humanistic spirit.

3.5. Ideological and Political Objectives

The course will give full play to the moral education function, use the subject thinking of moral education, and refine the cultural gene and value paradigm contained in professional courses. It enables students to find problems, analyze problems and solve problems through learning, have collective spirit and team cooperation consciousness, have rigorous working attitude and craftsman spirit, and enable students to have strong sense of responsibility and positive and enterprising character [5].

4. Design of Ideological and Political Education Integration in “Housing Architecture” Course

4.1. Meaning of “Curriculum Ideological and Political Education”

“Curriculum Ideological and Political Education” is not a specific course or lecture, but a kind of educational and teaching concept. Its meaning refers to a comprehensive educational idea that all kinds of courses and ideological and political theory courses should be peered together in the form of constructing a pattern of educating people with all staff, whole course and whole course, forming a synergistic effect and taking ‘cultivating morality and cultivating people’ as the fundamental task of education.

“Curriculum Ideological and Political Education” is also a mode of thinking. Teachers should consciously, organically and effectively carry out ideological and political education for students in the teaching process. From aspect of the top-level design of teaching, it is required to put the ideological and political training as the goal of teaching in the first place, and combine it with professional development education. “Curriculum Ideological and Political Education” is not to change the original attributes of professional courses, nor to transform professional courses into ideological and political courses or treat all courses as ideological and political courses, but to give full play to the moral education function of the course, use the disciplinary thinking of moral education, refine the cultural genes and value paradigms contained in professional courses, transform them into concrete and vivid effective teaching carriers of socialist core values, and integrate the spiritual guidance of ideals and beliefs into the knowledge learning of “moistening things silently.”

The purpose of “Curriculum Ideological and Political Education” is to excavate the ideological and political elements contained in professional courses, give full play to the function of ideological and political education, and promote the deep integration of professional courses and ideological and political education. Through the reform of ideological and political education in professional courses, the ideological and political education will be expanded to the process of professional courses education, and the space for students to accept ideological and political education is also expanded. By taking the construction of the “big ideological and political” pattern as an opportunity, the ideological and political construction of professional courses is promoted.

4.2. Fully Excavating the Ideological and Political Elements in the Course

Table 1. Ideological and Political Elements in the Course

| Course Knowledge Points | Ideological and Political Elements | Value Objectives |
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| <p>During teaching the history of Chinese and foreign architectural development, introducing the extensive and profound Chinese traditional architecture and blending development of western architectural culture can make students experience the differences between Chinese and western cultures and learn from them.</p> | <p>Cultivation of nation and family feeling; the cultivation of national spirit with patriotism as the core; Exchange of Chinese and foreign civilizations; deepening the understanding of the “community of shared future for mankind”.</p> | <p>Experiencing outstanding China’s long history of architectural development and brilliant achievements. Further understanding that China has a glorious history and profound historical and cultural accumulation. Enhancing students’ patriotism, national pride, enhance students’ self-confidence, cultivate students’ professional emotion.</p> |
| <p>During teaching the design of the plane, section and elevation of the building, it is helpful to make full use of form of grouping, task-driven activity, and the group members cooperation with each other. According to the characteristics of the building, the corresponding plane, elevation and section design can be carried out to complete the task, so as to promote the craftsmanship of designers and builders.</p> | <p>Team collaboration not only emphasizes individual work results, but also achieves overall team performance through collective discussion and decision-making. Craftsman spirit means a professional spirit, and its connotation contains dedication, refinement, focus, and innovation.</p> | <p>Cultivate students’ subjective initiative, encourage students to explore actively, and improve students’ practice and innovation ability; at the same time, it is of great use to enhance students’ awareness of teamwork, cultivate students’ spirit of unity, tolerance, mutual assistance and cooperation, and guide students to learn craftsman spirit.</p> |
| <p>In teaching wall insulation design, sound insulation design, floor design, doors and windows design and roof design, it is advisable to cultivate students’ awareness of energy conservation and environmental protection.</p> | <p>Enhancing students’ awareness of environmental protection can make them strictly follow the basic principles of harmonious coexistence between man and nature in their future work.</p> | <p>In order to protect the natural environment and ecological environment, the concept of energy conservation and environmental protection should be implemented in architectural design. The comfort requirements can be met; energy consumption should be minimized; the protection of the natural environment will be realized.</p> |

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| In the process of teaching the structural composition of buildings (walls, foundations, floor strata, stairs, roofs and doors and windows), students can intuitively feel the importance of engineering quality by combining cases, pictures and videos | Emphasizing the responsibility consciousness of construction engineering; cultivating good professional ethics and professional ethics | Enhancing students' awareness of obeying the law, enhancing students' awareness and ability of self-safety protection and cultivating students' sense of mission and social responsibility through the warning function of engineering accident cases [3]. |
| Advances in Housing Architecture | Construction of Socialist Ecological Civilization with Chinese Characteristics in the New Era [6]. | Cultivating students' professional qualities of seeking truth, goodness and beauty and establishing correct outlook on life, world and values. |

The integration of curriculum ideological and political education with professional courses is to organically integrate the ideological and political education orientation such as political identity, national consciousness, cultural self-confidence and personality development with the inherent knowledge and skills of various courses through deepening the reform of curriculum objectives, content, structure and mode, so as to achieve the organic combination of explicit and implicit education, promote the free and all-round development of students, and give full play to the role of education and teaching.

4.3. Analysis of Integration Approaches of Professional Knowledge and Ideological and Political Education

(1) Accumulating Ideological and Political Education Materials in Accordance with the Principles of "Near, Far, Wide and Specialized". The so-called "near" is to select the latest and familiar materials, such as "Beijing Daxing International Airport Terminal Building, China's National Grand Theater, Shanghai Tower, Suzhou Gate of the Orient" and other cases, for the purpose of cultivating students' patriotic feelings, and promoting the craftsman spirit of designers and builders. In addition, "Bird's Nest and Water Cube", which are the main venues for the 2008 Beijing Olympic Games, are familiar to students. Such cases are easy to cause students resonance. The so-called "far" refers to the introduction of global cases to broaden students' horizons, hence, students get fresh knowledge from these such unfamiliar cases as "Vista Tower", "The One", and "Bestseller Tower". The so-called "wide" refers to the selection of multiple representative building case applications, including not only domestic and foreign, but enterprises and government departments, so that students can open up ideas and improve professional quality. The so-called "specialty" refers to the fact that after a wide range of cases are introduced, the students are finally focused on their own majors so that they can further understand the problem from a professional perspective.

(2) Naturally Integrating Ideological and Political Elements into the Study of Professional Knowledge. The purpose of embedding ideological and political elements in professional courses is to guide students to establish a correct world outlook, outlook on life and values while maintaining the original course content professional, rich and complete. In the teaching of "Housing Architecture", the ideological and political elements can be embedded in the whole process of the course. According to different professional backgrounds and different development needs of students, the course group should make proper changes on the basis of events, time and situation. The ideological and political materials should be fully excavated and organically integrated with the course content.

(3) Exploring Diversified Teaching Methods and Strengthening the Educational Function of Professional Courses. Classroom is the main “battlefield” of teachers’ teaching and the main front of talent cultivation. Under the education concept of “student-centered”, it is necessary to integrate various teaching methods into the classroom teaching mode of “student-centered and teacher as director” to achieve the goal of all-round education.

First of all, before teaching, teachers can upload the teaching video, teaching software, teaching cases, data resources, reading literature and related learning websites of the course to “data” section of “Chaoxing Learning Platform” according to the teaching syllabus, teaching plan and teaching objectives of “Housing Architecture” Course, and can properly set the task points and related knowledge points of the chapters. In addition, “Chaoxing Learning Platform” owns a large number of e-books, newspapers, articles and other resources. Teachers can also use these rich teaching resources to select appropriate and typical expanded knowledge for students of different majors.

Secondly, in before-class section, teachers can remind students to conduct before-class preparation and complete related tasks by issuing notices on the platform. Students can login “Chaoxing Learning Platform” through mobile phone or computer, flexibly choose the learning time and place for autonomous learning, and complete the course related task points in advance. This mobile learning mode will ensure and improve the quality of students’ preview.

Thirdly, in the process of teaching course, teachers can make use of the functions of voting, selecting, answering, in-class practice and topic discussion in the platform to enable students to actively participate in classroom communication, interaction and feedback activities, for the purpose of generating two-way interaction and improving the frequency of teacher-student interaction, which can effectively improve the classroom learning atmosphere and the learning effect of students.

Fourthly, teachers can use the learning platform to release homework, chapter tests, examinations and reading to consolidate relevant knowledge, and also can evaluate students’ mastery of knowledge. Teachers should answer and reflect on students’ questions, combine teachers’ guidance with students’ autonomous learning, combine imparting knowledge with solving problems, and promote the development of students’ creative thinking, so as to improve the teaching effect.

(4) Grasping Class-interval Ten Minutes to Implement Three-wide Education. It is of much significance to make full use of class-interval ten minutes to carry out “Inter-class Video Exhibition” activities. In the activities, the teachers of the “Housing Architecture” Course group invites students to team up and build together, and widely collect and sort out videos and audio materials that are positive in content, suitable for the needs of young students, and in line with the theme of the times, such as party history videos, hot news, current affairs news, flash clips singing the motherland, speech videos, celebrity biographies, introductions to curriculum and discipline development.

Table 2. “Inter-class Video Exhibition” Activity Materials (Excerpt)

| Video Name | Ideological and Political Elements | Ideological and Political Objectives |
|-------------------------------------|--|--|
| History of Communist Party of China | Concept of National Conditions; History and Culture; Spirit of the Times; Value Orientation. | Throughout the 101 years’ history of the Communist Party of China, the winds and clouds are changing, prosperity is increasing year by year, and progress is strengthening year by year. Communist Party of China is experiencing continuous development and growth, and becomes so powerful now, full of new hope. We firmly believe that the future of Communist Party |

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| | | of China will be bright. |
| 100 Little Stories of Socialist Core Values | Cultural Confidence; Social Responsibility; Nation and Family Feeling; Value Orientation. | Carry forward socialist core values, contribute to national development, and cast soul for national progress. |
| Moving China: the Theme of Huang Danian | Social Responsibility; Value Orientation; Scientific Research Ethics; Innovation Consciousness. | On the road of China’s rejuvenation, everyone has their responsibility and mission. Whether you are a scientific research scholar, government official, factory worker, students, security staff, or waiter, you are the specific practitioner to revitalize China. Everyone should be devoted to the work. |
| Chu Yin: Why China Has a Bright Future | Social Responsibility; National Confidence; History and Culture; Spirit of the Times. | Upward power: through the cases of trade war, college entrance examination, high-speed railway, and Internet, students can experience the superiority of the national system, and enhance national pride. |

5. Conclusion

The integration of ideological and political elements in “Housing Architecture” Course is to realize the co-orientation of “Housing Architecture” Course and Ideological and Political Theory Course, so as to form the collaborative education effect. Through the organic combination of professional knowledge and ideological politics, students can be guided to establish the correct world outlook, life outlook and value outlook, which will enhance students’ patriotism and national pride; cultivate students’ sense of historical mission and social responsibility; and improve students’ confidence and professionalism.

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