

# Practice and Reflection on the Integration of Family and Country Feelings into the Course of Architecture Recognition and Construction

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**Abstract:** Taking the overall goal of improving students' "feelings of home and country" as the reverse design, taking the professional course "Architecture Recognition and Construction" as an example, the sub-goals of the ideological and political quality of the course are systematically designed in stages and steps. Integrate the education of "family and national feelings" into professional courses. Taking the course of "Architectural Recognition and Structure" as an example, the five-step system design of "family and country feelings" starts from "setting goals - exploring integration points - determining integration methods - determining teaching methods and teaching methods - designing assessment and evaluation plans". The integrated curriculum implementation path.

**Keywords:** Family and country feelings, architectural image recognition and structure, curriculum ideology and politics

## 1. Introduction

National ideology is the leading and dominant ideology in social ideology, and it is the mainstream and core of social ideology. One of the keys to the development level of the national political system is the degree of political identity of college students<sup>[1]</sup>. Only with "family and national feelings" can college students have a far-sighted vision and the motivation to improve their own quality from the heart. Therefore, the integration of ideological and political elements of "family and country feelings" should be the primary task of curriculum ideological and political construction.

The ideological and political education of college students is a long-term and systematic project, and the change of college students' thinking is a subtle process. The ideological and political design of the curriculum should focus on the systematicness, the concealment of the integration path of ideological and political elements, and the laws of students' acceptance and value formation. Thereby improving the pertinence and effectiveness of curriculum ideological and political education.

## 2. The overall design of the ideological and political construction of the course

### 2.1. Practice the concept of "same frequency, same vibration, same direction", and build a three-dimensional curriculum ideological and political teaching system of "three integrations and three synergies"

In order to practice the concept of "same frequency, same vibration, same direction"<sup>[2]</sup>, the course team, with the participation and guidance of the enterprise industry, integrates professional education and ideological and political education content into the three actual engineering projects located in our school, extracting typical work tasks. Build a three-dimensional curriculum ideological and political teaching system through classroom activities, practical activities, second classroom activities, etc., to create a three-dimensional space for students to learn independently.

### 2.2. Focusing on "family and country feelings", determine the quality goals from "three levels, three levels, and three stages"

In order to inspire students to learn professional knowledge and improve the autonomy of their literacy, we have identified "family and national feelings" as the main line of ideological and political courses<sup>[3]</sup>.

National ideology is the leading and dominant ideology in social ideology. "The degree of political identification of college students directly reflects the development level of the national political system." Especially for the freshmen faced by this course, the strong "family and national feelings" and a strong sense of social responsibility can enable them to have a far-sighted vision. Only with vision and a big picture can you germinate from the heart to actively improve your own quality, strengthen professional beliefs, and clarify lofty professional goals, so as to strive for the goals for life.

With the ultimate goal of "enabling students to have family and country feelings", the course reversely designs the quality goals of each task from "three levels, three levels, and three stages". It is mentioned in "University" that we should start from the knowledge of things, so the course team, according to the requirements of the talent training plan, uses professional knowledge as the medium, and follows the cognitive laws of students, from the individual, collective and national levels; from intuitive feeling, literacy sublimation, Occupation landing three levels to set related ideological and political elements. The "intuitive feeling" from the individual, collective to the national level mainly refers to cultivating students' awareness of rules, cooperation, patriotism, etc.; "literacy sublimation" mainly cultivates students' awareness of laws and standards, team spirit, dedication, etc.; "It mainly cultivates students' rigorous and meticulous craftsmanship, overall situation, service awareness, sense of responsibility, and dedication to work. In this way, students' "family and country feelings" are gradually cultivated, and finally the endogenous driving force for students to improve their own literacy independently is formed. Combined with the professional content and students' learning situation, the ideological and political elements of the three levels are gradually integrated in three stages. Task 1: Understand the basic information of drawings; Task 2: Understand the formation principle of drawings; Task 3: Judge the projection and spatial form of the shape; Task five read the general floor plan, task six read the building plan and task seven read the building elevation, which are mainly integrated into the team-level sense of cooperation, overall awareness, cooperation spirit, service spirit, and team spirit. The eighth task of reading the building section drawings and the ninth task of reading the building details are mainly integrated into the scientific spirit of truth-seeking and innovation at the national level, patriotism, and dedication to work.

### ***2.3. Integrate "value shaping, knowledge transfer, and ability training", and implement the curriculum ideological and political construction of "five integrations, four links, three dimensions, two carriers, and one subject"***

The entire curriculum system integrates "value shaping, knowledge imparting, and ability training", with students as the main body; professional tasks as the main carrier, and ideological and political case carriers are integrated into ideological and political elements from the individual, collective and national levels; in order to achieve Objectives, design task implementation, problem analysis, literacy guidance and career landing four teaching links; finally integrate the design concept into curriculum standards, teaching resources, teaching calendar, unit design, training tasks, etc.

### ***2.4. Task-guided courses, interests guide and educate people, and carry out progressive and systematic ideological and political teaching of "points pass through lines, lines form surfaces"***

In the process of guiding students to complete tasks, teachers secretly ignite the spark of ideology and politics. In one stage, they systematically infiltrate and form the main line of educating people, so that students never agree to agree with them, and then support them; Consciously obey; subtly, students collectively become a learning community, which stimulates individual development of autonomy.

## **3. Course ideological and political teaching practice**

### ***3.1. Content selection***

According to the work process of map recognition, the course designs nine tasks. According to the ideological and political goals of the course, combined with the students' learning situation, the course team adjusted the task sequence, put the principle content that is closely related to geometric knowledge and particularly easy to attack students' enthusiasm for learning, and made appropriate deletions. It will help to understand part of the content of the major, and appropriately increase the proportion of class hours for map recognition tasks.

In the first course, we focused on developing students' habit of consciously abiding by course discipline and improving their love for their posts through the requirements for classroom discipline, the understanding of the course assessment plan, and the ideological and political cases "Bird's Nest

Construction Process" and "Tunnel Construction Process", etc. . Task 1 is mainly narrated through the "Unified Standards for Architectural Drawings", the video "Irregular Construction Sites, Hidden Safety Hazards Need to be Rectified" and "The "Pioneer of the Strong Army" Candidates for the Country Leader Documentary! His name is the "Absolute Elevation" of the World Special Forces" and other ideological and political cases to form a sense of abiding by classroom discipline and course assessment plans, so that students have a sense of standards and norms.

The second task is mainly through the standard of homework completion and the video "Zhurong succeeds in boarding the fire, is it worth it to spend money on spaceflight? ", case "The stairs are installed upside down, what are the responsibilities of the constructor and the team leader? ", etc., to cultivate students' awareness of standardizing the completion of homework and possessing a rigorous and meticulous craftsmanship spirit.

Task 3: Make students aware of the mistakes of individualism through the problems of "multiple lines, few lines, and wrong lines" caused by superposition and cutting in the combination, and the elaboration of individualism in "On Correcting Wrong Thoughts in the Party", etc. Thought, have the standard consciousness and sense of responsibility of "do not make things difficult because of big things, and do not do things because of small things".

Task 4: Through the retrieval of professional terms in the student apartment building, the standard search of floor and wall practices in the building practice table, and other practices, the video case "Irregular garden design and construction regulations are hidden in the details", "Every detail of Chinese-style architecture is very particular, how to make it both beautiful and practical", "Building Safety Production Code Series - Work at Heights", etc., to cultivate students' standards, awareness of norms, rigor, and perseverance Quality and have the rigorous and meticulous craftsman spirit.

The fifth task is to complete the review of the general plan of the student apartment building project by grouping, and cultivate students' sense of teamwork and overall situation.

Task 6: Find errors in the floor plan of the student apartment building project through group competitions, cases such as "Zebra Car Mailbox Incident", "Various and Great Chinese Buildings", "Beijing Daxing International Airport Overall Rainwater System Construction Design", etc., to train students Have the overall situation awareness and teamwork spirit.

Task 7: is mainly completed by grouping to find the difference between the drawings of the No. 2 teaching building and the actual project, grouping to find the size data of the north elevation of the staff dormitory building, and grouping to find the difference between the elevation of No. 2 teaching building and the site and case videos How did China build the Qinghai-Tibet Railway? Why must it be repaired? It took 50 years to open the line to traffic! ", to cultivate students' team spirit, not afraid of hardships, and perseverance.

Task 8: Draw 1-1 section drawings of the staff dormitory building by contacting various drawings, and the case "What is an expansion joint?" Do you know these little secrets? ", video "What are the work contents of the construction unit budgetary? ", the online video "As a cost maker, you must overcome the character! Otherwise, I will really cry", etc., to improve students' awareness of the overall situation, the spirit of seeking truth from facts, and to improve their love for the post and sense of mission.

Task 9: mainly extends to "my country's Great Project" through the explanation of the parapet and other structures, the design of the stairs of the student apartment building project, the case "What are the steps of ancient Chinese architecture?", "Chinese ancient architecture - stepping" , the video "The Mystery of the Details of Windows" and the case "The Difference Between Evacuation Stairwells, Enclosed Stairwells and Smoke-proof Stairwells", etc., enhance students' national pride, enhance patriotic feelings, pursue the scientific spirit of research, truth-seeking, and innovation, and improve love Dedicated literacy.

### **3.2. Teaching methods**

The learning methods used in this process are mainly cooperative learning method, action learning method, autonomous learning method and inquiry learning method, and the corresponding teaching methods are mainly task-driven, case analysis, coaching and progressive teaching methods. . The main purpose is to stimulate students' learning autonomy.

### **3.3. Patterns and method paths**

In order to realize the "progressive, systematic and structured" curriculum ideological and political,

we integrate design concepts and ideological and political elements into curriculum standards, teaching resources, teaching calendar, unit design, training tasks, etc. "Five Integration". The four teaching links of task implementation, problem analysis, literacy training and career implementation are designed, and the principle of "four steps to let go" after the occurrence of engineering accidents is introduced into the teaching process. Leading the shaping of responsibility. Project-oriented, with the ultimate goal of "having family and country feelings", the curriculum designs systematic curriculum ideology and politics from the individual, collective and national levels. The media incorporating ideological and political elements takes professional tasks as the main carrier, supplemented by ideological and political case carriers. With students as the main body, a pattern of full education, whole process education and all-round education is formed. Take students as the main body, follow the regularity of students' cognition, and fully stimulate their autonomy. Taking the course content and ideological and political cases as the carrier, integrating relevant ideological and political elements at the individual, team and national levels; in order to effectively educate people, the ideological and political teaching design of the course generally includes assigning tasks in combination with professional content, finding problems according to the completion of tasks, and passing The intuitive feeling of the results summarizes the experience, and finally landed in the four links of occupation-related content.

#### **3.4. Methods and mechanisms of assessment and evaluation**

Course evaluation is mainly based on procedural assessment. After the course reform, students' professional interest has been greatly improved, professional standards and norms have been deeply rooted in the hearts of the people, and students have gradually formed a sense of rules; most students have established professional aspirations and will build magnificent buildings for the country as their own pursuits.

#### **4. Conclusion**

This course is based on "family and national feelings", relying on professional tasks, contacting professional needs, polishing students' personal character, improving students' collective sense of honor and responsibility, and enriching students' patriotic feelings, thereby inspiring students to strive for the country and inspire students to seek knowledge Grow up. With the goal of "cultivating family and country feelings", the quality goals of each task are reversely designed, so as to systematize the ideology and politics of the curriculum and systematize the training work of students. Implement the curriculum ideological and political construction mode and path of "five integrations, four links, three levels, two carriers, and one subject". Focusing on the main body of students, the ideological and political work of the curriculum is carried out.

As the input of course ideology and politics, professional course teachers are the main force, and they should practice Mr. Tao Xingzhi's educational philosophy of moving people with emotion, leading people with actions, educating people with wisdom, and educating people with morality, actively study policy documents, and learn political theory; Lead by example and strengthen accountability. It is difficult to design curriculum ideology and politics only by relying on the strength of individual teachers. It is necessary to rely on the team strength of teachers, counselors and other personnel of ideological and political courses to correctly implement curriculum ideology and politics. The purpose of ideological and political courses is not only to equip students with a certain quality, but also to enable students to have the self-consciousness to improve their quality in an all-round way.

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