

# ***Research on the Construction of "Curriculum Ideology and Politics" for Urban Rail Transit Operation and Management Majors in Vocational Colleges under the Concept of "Three Comprehensive Education"***

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**Abstract:** In recent years, the education and teaching work in vocational colleges in China has gradually moved towards diversification, comprehensiveness, and socialization. The educational goal of higher vocational education has expanded from a single vocational skill training in the past to a comprehensive training of "three comprehensive education". How to integrate ideological and political education into professional education and strengthen the cultivation of students' ideological and moral qualities has become one of the hotspots of educational reform in vocational colleges. The major of urban rail transit operation and management cultivates high-quality and highly skilled rail transit operation and management talents, which is one of the important directions of vocational education in the new era. Therefore, this major has begun to explore the integration of ideological and political education with curriculum teaching, and to construct a "curriculum ideological and political" system to better promote the comprehensive development of students' ideological and moral character. This article takes the major of urban rail transit operation and management as an example, combined with the concept of "three comprehensive education", to study and explore how to construct an effective "curriculum ideological and political" system, in order to achieve the goal of cultivating students' ideological and moral qualities in a comprehensive and multi-level manner.

## **1. Introduction**

In the context of continuous social and economic development today, urban transportation is an important support and infrastructure for urban development. Urban rail transit is an important component of urban transportation and also an important symbol of urban modernization construction. Therefore, the teaching and curriculum construction of urban rail transit operation and management majors are crucial. Currently, vocational colleges are gradually paying attention to the implementation of the concept of "three comprehensive education" in teaching, namely comprehensive education, full staff education, and full process education. The core of this concept is to integrate ideological and political education throughout the entire teaching process, cultivating students with comprehensive development, innovative spirit, and a sense of social responsibility as new talents. Therefore, studying

the ideological and political construction of courses in urban rail transit operation and management is of great significance for achieving the goal of "three comprehensive education".

## **2. Background analysis of the construction of "curriculum ideology and politics" for urban rail transit operation and management majors in vocational colleges under the concept of "three comprehensive education"**

With the acceleration of urbanization and the continuous growth of transportation demand, urban rail transit, as an important component of urban transportation, has gradually become one of the important symbols of modern urbanization construction. In this context, the teaching and curriculum construction of urban rail transit operation and management majors have great practical significance.[1] Vocational colleges have gradually attached importance to the implementation of the concept of "three comprehensive education", namely comprehensive education, full staff education, and full process education. This concept requires ideological and political education to be integrated into the entire teaching process, cultivating students with comprehensive development, innovative spirit, and a sense of social responsibility as new talents. Therefore, in the major of urban rail transit operation and management, how to combine ideological and political education with professional education has become an important direction of curriculum ideological and political construction.[2]

The construction of ideological and political courses can guide students to have a correct understanding of life, society, and the country, cultivate students' correct values of patriotism, love for the people, love for the school, love for the profession, and improve their comprehensive quality and sense of social responsibility. In the study and practice of urban rail transit operation and management, students need to have a fair, open, and transparent professional ethics, as well as a strong sense of responsibility and mission, in order to better serve society and play their personal value and role in their future work. Curriculum ideological and political construction needs to focus on innovation in teaching content to better meet the needs and interests of vocational college students. In the major of urban rail transit operation management, the knowledge that students need to learn covers Transportation planning, construction, management, operation and other aspects. Therefore, through rich case analysis and practical teaching, students can be guided to deeply understand and master professional knowledge. At the same time, students can also be organized to participate in social practice activities, so that students can practice their social responsibilities and experience of serving the society, In order to better cultivate students' comprehensive qualities and development potential.[3] Curriculum ideological and political construction also needs to focus on innovation in teaching methods to improve students' learning effectiveness and cultivate their comprehensive qualities. In the field of urban rail transit operation and management, various teaching methods such as heuristic teaching, case teaching, and interactive teaching can be used to stimulate students' learning interest and initiative, and improve their professional literacy and sense of social responsibility. By constructing ideological and political courses and emphasizing innovation in teaching content and methods, the goal of "three comprehensive education" can be better achieved, and new talents with innovative spirit and social responsibility can be cultivated.

## **3. The importance of applying ideological and political education in the teaching of urban rail transit operation and management courses**

As a highly applicable major, students in the field of urban rail transit operation and management need to learn relevant technologies and knowledge in the course, as well as pay attention to education in professional ethics and social responsibility. Through classroom teaching and practical operations, guide students to establish correct professional ethics, understand professional ethics and norms, and cultivate students' sense of professional responsibility and social responsibility.[4] Integrate relevant

laws and regulations and safety awareness education into the curriculum, improve students' legal literacy, enable them to comply with national laws and regulations and industry standards, and ensure the safety and reliability of the operation process. Ideological and political education can help students understand national conditions and customs, enhance their sense of social responsibility, improve their overall quality, and enable them to have more comprehensive qualities and abilities, laying a foundation for future career development. In ideological and political education, it can guide students to think rationally and independently, enhance their innovation awareness and ability, and make them more competitive in their future career.

As an important support for urban development, the urban rail transit industry requires students to possess the correct values and worldview, and approach work and life with the correct attitude. Ideological and political education can guide students to establish correct professional ethics and social responsibility by teaching national laws and regulations, industry moral standards, and other content, and cultivate students' civic awareness and social responsibility. The urban rail transit industry is facing an increasing demand for travel and demands for improvement in operational management, thus requiring talents with innovative thinking and service awareness. Ideological and political education can cultivate students' courage to explore and innovate, cultivate their innovative spirit and ability, and cultivate students' good service awareness and habits by educating them to serve society and the masses. The major of urban rail transit operation and management requires students to possess a wide range of knowledge and skills, but simply mastering professional knowledge is not enough. Ideological and political education can improve students' comprehensive qualities such as social practice ability, teamwork ability, communication and expression ability through various forms of ideological and political education activities, in order to better adapt to social needs and work requirements.[5]

#### **4. On the construction of "curriculum ideology and politics" for urban rail transit operation and management majors in vocational colleges under the concept of "three comprehensive education"**

##### **4.1. Construction of the teaching staff**

At present, there is a lack of teachers with practical experience and industry background in the teaching team of this major, which leads to the inability to truly get close to the current situation of the industry and provide practical guidance for students in the teaching process. Due to the continuous updating and development of urban rail transit technology, the teaching staff needs to continuously strengthen their professional skills, but the lack of corresponding training mechanisms has led to teachers being unable to keep up with the pace of industry development. In the teaching team of this major, some teachers have a low level of ideological education and cannot fully convey the concept of "three comprehensive education", which may have a negative impact on students. In some vocational colleges, the personnel management system of urban rail transit operation and management majors is still relatively rigid, unable to provide more development space for teachers, and difficult to encourage teachers to actively explore and innovate. With the internationalization trend of urban rail transit technology, it is necessary for the teaching staff to have a certain international perspective and language ability, but the current lack of such teachers is quite common.

##### **4.2. Curriculum issues**

Due to the fact that urban rail transit is a highly technical industry, students need to have practical operational skills, but the curriculum of this major lacks practical courses. The lack of courses related to ideological and political education in the curriculum has a certain impact on cultivating students'

sense of social responsibility, mission, and correct outlook on life and values. Nowadays, the urban rail transit industry is developing rapidly, and courses cover a wide range of fields. However, high-quality resources and teaching staff are limited, which directly affects the level of ideological and political construction of courses. The curriculum lacks arrangements for students at different levels, and there is no differentiated curriculum for students of different grades and majors, which may lead to poor learning outcomes for students.

#### **4.3. Education and teaching content issues**

At present, the course content of this major is relatively single, mainly focusing on the basic knowledge and skills of urban rail transit operation and management, lacking diversity and foresight. Although the concept of "three comprehensive education" emphasizes ideological and political education, there is a lack of curriculum related to ideological and political education in the curriculum of this major, making it difficult to provide students with comprehensive ideological guidance and value shaping. Due to the particularity of the urban rail transit industry, students need to possess certain practical operational skills. However, in the curriculum of this major, the operational courses are not sufficient to meet students' practical needs. For students of different grades and majors, the curriculum arrangement lacks differentiation, making it difficult to personalize education and teaching content based on students' different backgrounds and needs. With the continuous development of the urban rail transit industry, students need to understand and master the latest technologies and management methods. However, in the education and teaching content of this major, there is a lack of innovative and cutting-edge content, making it difficult to provide students with comprehensive industry knowledge and relevant information.

#### **4.4. Education and teaching methods issues**

At present, the education and teaching methods of this major mainly rely on traditional classroom teaching, lacking diversified and innovative education and teaching methods, making it difficult to stimulate students' learning interest and initiative. Due to the practicality of the urban rail transit industry, students need to participate in a certain amount of practical teaching activities. However, in the education and teaching methods of this major, there are insufficient practical teaching links, making it difficult to provide students with sufficient practical opportunities. Although the concept of "three comprehensive education" emphasizes comprehensive development and multiple evaluations, in the education and teaching methods of this major, the evaluation method is single, and most of them use exam scores as the only evaluation standard, which is difficult to fully reflect students' learning situation. In the education and teaching methods of this major, students' participation is not high enough, and there is a lack of interactivity and interest, which cannot meet the students' good learning experience and needs. In the education and teaching methods of this major, some teachers have a low teaching level, lack teaching experience and innovative ability, and are difficult to provide high-quality education and teaching services to students. There may also be certain differences in teachers' teaching styles and curriculum arrangements, which affects students' overall evaluation of education and teaching.

## **5. The construction strategy of "curriculum ideology and politics" for urban rail transit operation and management major in vocational colleges under the concept of "three comprehensive education"**

### **5.1. Strengthen top-level design and promote the implementation of curriculum ideological and political construction**

With the rapid development of urban rail transit in China, the major of urban rail transit operation and management has become one of the popular majors in vocational colleges. In order to implement the concept of "three comprehensive education", strengthen the ideological and political construction of urban rail transit operation and management courses, and further promote the education and teaching work of vocational colleges, it is necessary to make great efforts in top-level design, strengthen top-level design, and form a curriculum ideological and political construction plan. Under the leadership of department leaders, relevant experts and teachers are organized to plan and design education and teaching objectives, course content, teaching methods, assessment and evaluation, and develop a curriculum ideological and political construction plan with the goal of "cultivating socialist builders and successors with comprehensive moral, intellectual, physical, aesthetic, and labor development", and form the "Implementation Plan for Ideological and Political Construction of Urban Rail Transit Operation Management Major Curriculum in Vocational Colleges". School education work needs to focus on the implementation of curriculum ideological and political construction, and effectively combine theory with practice. In course teaching, teachers should pay attention to ideological education for students, combine theoretical knowledge with practical cases, guide students to establish correct outlooks on life, values, and the world, encourage students to actively participate in social practice activities, and cultivate their innovative spirit and practical ability. At the same time, different teaching methods are adopted for different types of students, such as case analysis, group discussion, team cooperation, etc., to enable students to better understand and implement the ideological and political concepts of the course into practical operations.

### **5.2. Build a work carrier and strengthen teachers' ideological and political awareness**

In the current education of vocational colleges, the core of realizing the concept of "three comprehensive education" is to give full play to the ideological, political, and contemporary nature of education, pay attention to inheriting and promoting the excellent culture and great spirit of the Chinese nation, and guide students to establish a correct worldview, outlook on life, and values. The urban rail transit operation and management major is an electromechanical integration discipline with urban rail transit as the main research object. It is an interdisciplinary field that integrates cutting-edge technology and management. To build a good "curriculum ideological and political" for this major, it is necessary to build a work carrier and strengthen teachers' ideological and political awareness.

In higher vocational colleges, textbook compilation, teaching design and educational activities should become important carriers of ideological and political work of courses. For the major of urban rail transit operation and management, relevant curriculum materials can be written to reflect the characteristics of the times, highlight ideological significance, and improve the quality of education; At the same time, it is also necessary to strengthen interdisciplinary and solid curriculum co construction, forming a complete system from disciplinary connotation to cultural connotation, in order to cultivate students' comprehensive literacy and ideological and political abilities. Teachers are the main inheritors and implementers of curriculum ideological and political education. In the major of urban rail transit operation and management, teachers should not only possess professional technical skills, but also possess ideological and political education abilities. This requires higher



vocational colleges to strengthen the ideological and political education training for teachers, improve their political quality and ideological and moral level, so as to better carry out ideological and political work. They should also pay attention to academic innovation, educational research, and constantly increase teachers' knowledge reserves and ideological and political level, so as to form a teaching team with strong ideological and progressiveness nature.

### **5.3. Promote teaching and construction through competitions, and promote the practice of ideological and political education in the curriculum**

Vocational education is an important way to cultivate applied talents, and in today's education, the concept of "three comprehensive education" has become the core task of vocational education. As a discipline of mechatronics integration, the ideological and political construction of urban rail transit operation management should meet the requirements of "three comprehensive education" and also need to promote targeted education practices. Promoting education through competitions is one of the most effective methods in the practice of ideological and political education in the curriculum. By conducting various competition activities, students' learning enthusiasm and innovation ability can be stimulated, while also guiding them to establish correct worldviews, life views, and values. For urban rail transit operation and management majors, relevant competitions can be organized based on students' professional knowledge and skills, such as rail transit simulation driving competitions, intelligent scheduling algorithm design competitions, etc. This not only strengthens students' professional abilities, but also guides them to pay attention to social development and enhance their ideological and political qualities.

In the courses of urban rail transit operation management, relevant curriculum design tasks can be arranged, requiring students to explore and study social, environmental protection, life and other issues, and complete curriculum design works such as community rail Transportation planning planning and scheme design, which not only helps to master professional knowledge, but also improves students' comprehensive quality and ideological and political literacy. Promoting teaching through competitions can promote the practice of ideological and political education in courses. It is also necessary to strengthen the ideological and political construction and ability improvement of the teaching team. A high-level and diversified teaching team not only has solid professional knowledge and rich practical experience, but also should be able to actively participate in the practice of ideological and political education in courses, actively guiding students to establish correct historical, value, and life views. Therefore, vocational colleges need to increase the intensity of teacher ideological and political education training, regularly organize special research and exchange activities on ideological and political education, and comprehensively improve teachers' ideological and political level and educational ability on the basis of professional abilities.

### **5.4. Create a professional ideological and political mainline and construct a curriculum ideological and political education system**

Curriculum ideological and political education in universities is an indispensable part of students' comprehensive quality education and an important component of cultivating high-level innovative talents. In order to build a curriculum ideological and political education system in universities, it is necessary to create a professional ideological and political main line and combine ideological and political education with professional education. Schools need to be based on professional characteristics and key skills, stimulate students' thinking and discussion by solving practical problems, covering education content in politics, history, culture, and other aspects, and integrate ideological and political education into professional education. At the same time, by conducting various competitions, practical activities, and group learning activities, the ideological and political

education in the classroom can be extended to outside the school, combining professional knowledge with social needs, thereby stimulating students' learning enthusiasm and innovation ability.

### 5.5. Establish a comprehensive student learning and personal evaluation system to enhance students' participation enthusiasm

Before considering evaluation methods, it is necessary to consider what are the criteria for success. By setting clear learning objectives and evaluation criteria, students can have a clear understanding of learning requirements and course objectives, and have a clear sense of direction during the learning process. Evaluation should not solely rely on students' exam scores, but should adopt multiple forms of evaluation. Including but not limited to daily performance, homework quality, classroom participation, team project contribution, etc. This can comprehensively evaluate students' learning situation and encourage them to demonstrate their strengths and potential in different types of tasks. To ensure the fairness of the evaluation, the evaluation criteria should be transparent, and every student should know the benchmark against which they are evaluated. Evaluation should have continuity in time, rather than only being conducted at specific time points, which can comprehensively evaluate students' learning outcomes and provide more persuasive feedback to students and parents.

## 6. Conclusion

In summary, the concept of "three comprehensive education" is an inevitable requirement for achieving the connotative development of higher education, while "curriculum ideology and politics" is an important means of curriculum construction in universities. In the field of urban rail transit operation and management, by creating a professional ideological and political mainline, constructing a curriculum ideological and political education system, and emphasizing the construction and cultivation of teaching staff, effective implementation of curriculum ideological and political education can be achieved, thereby improving students' participation enthusiasm and comprehensive quality. Through effective promotion, not only can students' participation enthusiasm and comprehensive quality be improved, but also the realization of the connotative development of higher education can be promoted.

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