

The Construction of “Thought and Politics Curriculum” in the Teaching of Professional Courses in Colleges and Universities—Taking Inorganic Chemistry as An Example

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Abstract : In recent years, colleges and universities have introduced ideological and political education into the professional courses offered by the school. The purpose is to use the long-term operation and collaborative innovation mechanism of this new teaching model to guide the relevant knowledge and values of college students, and finally realize the job of teaching and educating people in colleges and universities. University educators and managers try to dig out the contents of life education, teamwork spirit, patriotism education, medical ethics education and legal education in each professional course according to the professional requirements and students' characteristics. Inorganic chemistry is a compulsory course for students majoring in materials science, chemical engineering, chemistry, pharmacy and medicine in colleges and universities, that is to say, it is a necessary way for students to build basic knowledge. Therefore, colleges and universities integrate the professional knowledge of inorganic chemistry and ideological and political education to explore the basic methods and ways to implement the ideological and political curriculum in inorganic chemistry. Therefore, in the context of inorganic chemistry teaching, it is necessary to grasp students' cognitive level, knowledge structure and professional quality when teaching students' ideological and political education. Only in this way can we reasonably design curriculum objectives, conceive special ideological and political education methods, and cultivate high-level talents in the new era with patriotism, professional quality, lofty ideals and exquisite skills.

Keywords : Inorganic Chemistry; Ideological and Political Education; Curriculum; Colleges and Universities; Teaching Model

1. Introduction

In recent years, China's general secretary Xi Jinping has been carrying out ideological education for college students in the whole country. At the meeting, he pointed out that our future education work is dedicated to moral education, and integrates ideological and political education into daily teaching work, so as to achieve all-round education and full education. In the process of curriculum teaching, college teachers should take professional courses as the educational carrier, fully tap the ideological and political factors contained in the curriculum, and reasonably plan the teaching methods and class hours. In the actual process of classroom teaching, college teachers should pay attention to the cultivation of students' values, knowledge and skills, so as to achieve our overall goal of educating people in the whole process and all aspects.

Therefore, this paper takes inorganic chemistry in university construction as a basic case to explain how to integrate ideological and political education into inorganic chemistry curriculum and the key of ideological and political education, so as to promote the long-term and high-quality development of inorganic chemistry specialty.

2. Overview of ideological and political curriculum construction

“Cultivating morality and cultivating people” is the ultimate goal of curriculum construction. Inorganic chemistry is a basic course for students majoring in geography, botany, zoology, medicine, agronomy, forestry and materials in colleges and universities.

Therefore, the teaching effect of this course will directly affect students' future career and learning development. Ideological and political elements must be needed in the discipline construction of inorganic chemistry, which is the core of the current education reform in colleges and universities. The teaching purpose of the university is to adhere to the thought of Marxism, and its construction in colleges and universities is not only a process of close management and coordinated development between inorganic chemistry and other disciplines. At present, one of the foundations of most courses in colleges and universities is ideological and political, which provides corresponding knowledge reserves and theoretical basis for students' future educational courses. Therefore, integrating relevant ideological and political contents into the course of inorganic chemistry will have good value oriented significance. In the process of imparting knowledge to students, teachers should focus on improving students' professional identity, focusing on cultivating the professional quality of higher vocational students, and increasing the industry competitiveness for the future employment of inorganic chemistry students. As a student majoring in inorganic chemistry, they should have professional ethics and professional values. The cultivation of this stage is one of the most important links in the cultivation of students' professional ethics.

3. Integrating ideological and political education into inorganic chemistry teaching

Inorganic chemistry is a basic course for students majoring in environmental engineering, HVAC and applied chemistry. Graduates of these majors will serve all walks of life. In essence, ideological education and inorganic chemistry achieve the purpose of serving the society through their own advantages. As the cornerstone, ideological education first cultivates excellent college students with good values. Inorganic chemistry, as the engine of promoting scientific and technological progress, serves the development of the whole society. At present, the actual situation of higher education in a society with Chinese characteristics is to adhere to the guidance of market demand and seek development with the integration of industry and education. The main focus of college teachers' training for students is the professionalism and professionalism of students. On the road of the current development of ideological and political education, colleges and universities need to reasonably integrate ideological and political factors into inorganic chemistry teaching activities in combination with the local market demand and the actual needs of college development. In particular, teachers need to integrate these elements of ideals and beliefs, patriotism, professional ethics education and civic morality to carry out classroom teaching.

4. Current problems of curriculum ideological and political education

4.1 Lack of professional teacher team

At present, the actual situation in colleges and universities is that the professional teachers of inorganic chemistry only focus on how to better promote the development of science and technology, and pay little attention to the significance of ideological education for the teaching of inorganic chemistry. In addition, inorganic chemistry courses offered in general colleges and universities are large class teaching. There are too many students and the teaching task of teachers is arduous, so there is little time to pay attention to the unique value and ability of each student. These factors will eventually lead to the loss of significance of Marxist knowledge in inorganic chemistry teaching.

4.2 The teaching system is imperfect and lacks coordinated management

Generally speaking, there are still many problems in the temporary teaching curriculum system in colleges and universities, in which the ideological and political education is in an awkward and difficult situation. The teaching system separates ideological and political education from professional course education, which leads to the loss of many necessary links between teachers and students. The teaching evaluation standard is also carried out separately, which does not play the role of integrating ideology and politics into inorganic chemistry or other majors. If there is no coordinated and unified management method, it is difficult to realize the combination of inorganic chemistry and ideology and politics.

4.3 Inappropriate teaching methods

In inorganic chemistry teaching, teachers will always carry out teaching work according to old ideas, resulting in Marxism having no or very little effect in inorganic chemistry classroom. Inorganic chemistry teachers in colleges and universities can actively cooperate with ideological and political teachers in order to cultivate students' good professional quality and skills. There is to urge students to attend more lectures related to ideology and politics, and to discuss professional and practical issues with everyone in the industry. Inorganic chemistry teachers should encourage students to apply the knowledge they have learned in class to their real life, and can carry out relevant safety chemistry knowledge and health education activities for residents in their surrounding communities. This makes students feel their value to society in this activity and cultivate a strong interest in their own

learning.

5. Education construction of ideological and political curriculum

5.1 Improving the ideological and political theory knowledge of higher vocational teachers

Teachers' bounden duty is to teach and educate people. At the same time, teachers are also the main leaders in promoting and implementing curriculum ideological and political education. The level of ideological and political theory of college teachers will seriously affect the educational ability of students in inorganic chemistry classroom. College teachers must have enough profound theoretical knowledge and ideological and political foundation, but the current actual situation is that although many teachers have solid professional knowledge theory, their ideological and political theory and practical level are very weak. Therefore, it is hard to see a good teaching effect on students when trying to combine ideological and political factors with professional course knowledge in curriculum design.

5.2 Perfecting the teaching design of ideological and political education

The main body of curriculum ideological and political education should be students. Teachers should consult relevant materials in advance, understand relevant pharmacological ideological and political elements, and design a curriculum design in line with the characteristics of pharmacology students. In the teaching design, we should make rational use of various teaching modes to improve students' interest in learning and excavate students' internal driving force. In short, the main purpose of teachers should be to make friends with students and transform students' ideological and political knowledge in time.

5.3 Improving teaching evaluation standards and paying attention to the integration of ideological and political elements

University administrators and teachers should look at this problem from the perspective of students. Students' evaluation of teaching results is the most direct reflection, and it is also the most important thing in the national education stage. In the teaching of inorganic chemistry and other professional courses, we should implement the teaching for the purpose of teaching and educating people, and highlight the ideological and political participation of professional courses. Only by imperceptibly inputting Marxist thought into students' thought can we truly realize the socialist core values and finally promote the high-quality development and progress of inorganic chemistry.

6. Conclusion

The original intention and professional mission of teachers is to teach and educate people, and cultivate socialist builders and successors with all-round development of morality, intelligence, physique and beauty for the country. In curriculum teaching, teachers should really realize the concepts of "ideological and political education in curriculum" and "curriculum carrying ideological and political education", so as to cultivate qualified students with professional quality. Teachers should constantly improve their teaching concepts and knowledge, and strive to realize the all-round, whole process and full staff training of their students in each course.

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