

The Integration Practice of Ideological and Political Elements in the Teaching of Basic Knowledge of Database Application

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Abstract: This article takes the classroom of "Basic Knowledge of Database Application" as an example in the context of ideological and political education in the curriculum. At the theoretical level, it elaborates on the purpose of ideological and political education and the requirements of ideological and political education in the curriculum. Guided by this, it deeply explores the integration points of teaching content and ideological and political elements in the curriculum. At the practical level, based on the OBE concept, teaching design is carried out to form a demonstration classroom of ideological and political education in the curriculum. Diversified teaching methods and multiple evaluation mechanisms are determined to achieve good classroom implementation effects and improve students' comprehensive quality.

Keywords: Course Ideological and Political Elements; Database Application; Teaching Practice.

1. Introduction

Ideological and political education is based on Marxist theory and aims to cultivate students' correct worldview, outlook on life, and values. It emphasizes the connection between theory and practice, focuses on practical teaching, and enables students to establish correct life orientation and social responsibility while learning professional knowledge.

The ideological and political courses should avoid blindly applying them. In order to ensure that ideological and political elements can be well integrated into the curriculum design, attention should be paid to the following points: Goal consistency: Ensure that the teaching objectives of professional courses are consistent with the objectives of ideological and political education. Content integration: Naturally integrate the content of ideological and political education into professional courses, avoiding rigid grafting. Diversity of methods: Adopting various teaching methods such as case-based teaching and project-based learning to enhance students' interest and participation in learning. Comprehensive evaluation: In addition to professional skills, it is also necessary to evaluate students' ideological and political literacy and teamwork ability.

In the classroom of database application fundamentals, the main focus is on understanding and mastering basic concepts and principles. MySQL database is a widely used relational database. This classroom mainly covers the basic concepts of databases, including understanding the concepts of data, databases, database management systems, and basic operations such as database addition, deletion, modification, and search. The teaching objective of this classroom is to help students understand these basic concepts and lay a foundation for future practical learning.

2. Integrating Ideological and Political Elements into the Curriculum

Incorporating ideological and political elements into computer science courses, teachers help students understand database fundamentals more vividly and grasp the underlying

connections between knowledge by starting with ideological and political elements in the course of imparting professional theoretical knowledge to students. In classroom teaching, the concept of database is introduced by using the case of drug management in ancient Chinese medicine cabinets. Although databases are modern technology, there are already relevant principles and methods in ancient China. Based on the case of ancient Chinese medicine cabinets, students learn database related concepts in the process of discussing drug management. This guides students to strengthen their cultural confidence. Students not only have a more vivid understanding of relevant concepts, but also can strengthen their cultural confidence. Such ideological and political elements in courses can cultivate students' ability to think and analyze problems from multiple perspectives, encourage the pursuit of truth, rigor, and objectivity, and improve students' scientific and humanistic literacy, social responsibility, and craftsmanship spirit.

3. Instructional Design

Adopting the OBE concept in instructional design, with a focus on learning outcomes or results, emphasizing outcome orientation, student centeredness, and continuous improvement.

3.1. Create a Scenario and Discuss Teaching

Create a scenario in teaching, and use the discussion method to focus on the management cases of ancient Chinese medicine. Discuss the similarities between the drug management process and the database data management process, and introduce the relevant concepts of databases in this lesson. Students not only have a more vivid understanding of relevant concepts, but also can strengthen their cultural confidence.

3.2. Clear Goals, Complete Tasks and Achieve Them

The ideological and political goal of this lesson is to enhance students' cultural confidence, cultivate their individual emotions, and foster dialectical thinking that

connects things universally and develops forever. In the "Three Stages of Database Technology Development", the advancement of the times driven by technology is in line with General Secretary Xi Jinping's concept of "adhering to self-reliance and self-improvement in science and technology, and promoting innovative development in science and technology", which extends the importance of science and technology. Through inspiration, students have a deeper understanding of the three stages of database technology development, and combined with ideological and political learning, they identify with and accept the theoretical system of socialism with Chinese characteristics, enhancing their sense of mission and responsibility in the new era.

3.3. Teaching Evaluation

Classroom teaching evaluation is a comprehensive evaluation of the completion of ideological and political goals and classroom knowledge, using a diversified evaluation mechanism. One is to combine knowledge assessment with value evaluation, and test students' understanding and application of professional knowledge through in-class tests, assignments, and other forms. The other is to use more process evaluation and less result evaluation to examine students' participation, cooperation ability, innovative thinking, and improvement of ideological and political literacy in the learning process; The third is to combine self-evaluation, peer evaluation, and teacher evaluation, encouraging students to engage in self-reflection and promoting self-awareness and growth; The fourth is to introduce peer perspectives to enhance mutual understanding and respect, while professional course teachers serve as guides, providing professional feedback and value guidance. These diverse evaluation methods not only provide a more comprehensive understanding of students' learning outcomes, but also encourage teachers to improve their teaching strategies, ultimately achieving the goal of enhancing the quality of talent cultivation.

4. Summary

Under the guidance of the "Three pronged Education" concept, by integrating ideological and political elements into the curriculum, the curriculum can not only meet the cultivation of technical skills and the shaping of thinking patterns, but also cultivate students' emotional attitudes,

promote the integration of professional education and moral education, guide students to establish a correct worldview and value thinking direction, and integrate ideological and political elements into the database application basic knowledge classroom. This not only improves students' professional skills, but also significantly enhances their ideological and political literacy and comprehensive quality. These achievements provide useful experience and inspiration for future teaching reforms. University educators should continue to conduct such research and practice in curriculum design. In the subsequent course design, teachers should pay more attention to exploring effective ideological and political elements in the curriculum, digging up knowledge points and cases with similar underlying logic, emphasizing both professional skills and ideological and political literacy, promoting the improvement of students' comprehensive quality, and making them talents with both technical strength and good moral qualities.

Acknowledgments

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