

The Practice of Curriculum Politics in "Literature Retrieval and Utilization"

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Abstract

The Ministry of Education's "Guidelines for Curriculum Politics of Universities" pointed out that "The effectiveness of fostering virtue through education is the fundamental standard for universities". Comprehensively promoting Curriculum Politics is an important measure to implement the fundamental task of fostering virtue through education, and also an essential part of talent training. This paper discusses how to carry out Curriculum Politics construction of "Literature Retrieval and Utilization" from the perspectives of academic ethics, information ethics, patriotism, enthusiasm for innovation and creation, ideals and beliefs, professional quality, and scientist spirit.

Keywords

Literature Retrieval and Utilization; Curriculum Politics; Three-Whole Education; Academic Ethics; Spirit of Scientists.

1. Course Introduction

"Literature Retrieval and Utilization" is a basic course, undertaken by the library, and is taught to undergraduates majoring in science and engineering such as oil and gas storage and transportation engineering and petroleum engineering. The course aims to cultivate students' ability to analyze information needs, efficiently retrieve literature information, quickly read literature and process literature information, guide students to use professional literature databases to write scientific papers. These abilities lay a solid foundation for the completion of discipline professional competitions and undergraduate graduation thesis. The content of the course mainly includes the basic knowledge of literature, literature classification, literature retrieval and computer retrieval technology; selection of appropriate literature databases according to retrieval topics, and formulation of appropriate professional retrieval formulas, and retrieval and acquirement of the full-text content and bibliographic information of different types of literature; in accordance with the writing standards of scientific paper, writing the literature retrieval report[1]. The goal of the course is helping students not only understand knowledge, master the ability of literature retrieval and utilization, but also have good information literacy, such as information awareness and information ethics.

2. Curriculum Politics under Three-Whole Education System

"Three-Whole Education" requires all employees to educate people in an all-round way throughout the whole process[2]. Specifically, "all employees" not only refers to teachers, but also includes other staff in the university, such as teaching assistants, logistics staff. University staff should play the main role in educating people. The "whole process" means not only the educational activities such as teaching in the classroom, but also educating people through all aspects of students' growth[3]. "All-round" means that we should improve the education plan from multiple levels and multiple dimensions, such as in-class and extra-curricular, online and offline, on-campus and off-campus.

Curriculum Politics integrates ideological and political elements, such as theoretical knowledge, values, and spiritual pursuits of ideological and political education into various courses in order to subtly affect students' ideology and behavior[4]. Curriculum Politics dialectically unifies the education of the knowledge system and the ideological and political education, and closely combines the laws of teaching and educating people, the laws of student growth and the laws of ideological and political work, so as to realize the same direction of various courses and ideological and political theory courses, and realize collaborative education[5]. Curriculum Politics requires teachers to actively explore ways to substantively intervene in students' personal daily life in education, and to consciously respond to the real problems and confusion students encounter in learning, life, social interaction and practice. By deepening the reform of curriculum objectives, content, structure, mode, Curriculum Politics organically integrates ideological and political education orientations such as political identity, national awareness, cultural self-confidence, and personality development with the inherent knowledge and skills of various courses, which promotes the free and all-round development of students and gives full play to the role of education.

As a compulsory course, it is also necessary to carry out Curriculum Politics construction of "Literature Retrieval and Utilization" through integrating moral cultivation into knowledge teaching, skill training and personality shaping, in order to the realization of Three-Whole Education.

3. Practice of Integrating Curriculum Politics Element

3.1. From Regulating Academic Ethics and Cultivating Information Ethics

Colleges and universities play an important part in national scientific and technological innovation. For teachers and students in colleges and universities, academic ethics could directly affect the process and quality of scientific research, so they must abide by it when they conduct academic research. Incorporating the cultivation of academic ethics into the course of "Literature Retrieval and Utilization" can help college students develop an honest and rigorous academic style, and create good academic environment. With the rapid development of information technology, it brings convenient and fast information sharing and communication methods, but also causes the emergence of information infringement and information fraud. As an important participant in information utilization, college students should learn to establish correct information ethics, such as correctly use information resources and information technology. The course "Literature Retrieval and Utilization" is usually taught before undergraduates' graduation design. At this time, undergraduates have not received systematic scientific research training. By citing incidents such as "Zhai Tianlin does not know CNKI" and "a master's degree thesis of Hunan University is suspected of plagiarism" in the information literacy of the first chapter, students could realize that thesis plagiarism belongs to academic misconduct, and the serious consequences of such behavior. Through explaining the meaning of references and the correct description format in the bibliographic description rules of the second chapter, students could understand the basic rules of thesis writing, which helps develop rigorous academic norms and habits. In the literature types of the second chapter, when the patent-related concepts such as intellectual property laws are taught, the intellectual property rights of technical literature and the information ethics of respecting intellectual property rights would be conveyed to students. It helps them realize the impact of the protection of intellectual property rights on promoting society in terms of technology and law.

3.2. From Cultivating Patriotism and Enthusiasm for Innovation

Patriotism is a traditional virtue of the Chinese nation, which constantly inspires every Chinese to work hard for the Chinese dream. It is an important task for colleges and universities to

cultivate young men who are worthy of national rejuvenation. Implanting patriotism education in the course of "Literature Retrieval and Utilization" helps students to establish the ideal of striving for national rejuvenation in a silent way. By cultivating innovative consciousness, it guides students to study professional knowledge, enhance innovation ability, and contribute youth wisdom to the development of national science and technology. The course requires that students should select a topic of interest from the retrieval topics provided by the teacher to carry out literature retrieval and complete a literature retrieval report. Besides related to the majors of the students, the retrieval topics could combine with our country's technological breakthroughs in a series of important engineering projects. For example, for students majoring in petroleum engineering, the retrieval topics can be determined around the production test of natural gas hydrate in the South China Sea and the exploration of shale gas in the Sichuan Basin. By searching and reading relevant literature, students can understand the great breakthroughs in hydrate production test of our country, such as drilling wellhead stability, horizontal well directional drilling in deep water and shallow soft formations. They also can learn researchers take problems as challenges and the determination to continue to tackle key problems, and understand of our country's prosperity and harmonious development. It can help them establish patriotic feelings and cultivate national pride, and understand the hardships of scientific research workers to explore and innovate, and encourage them to devote themselves to key national research and development fields with a strong and progressive attitude.

3.3. From Strengthening the Ideals and Beliefs and Promoting the Professional Quality of Both Ability and Political Integrity

Ideals and beliefs are powerful spiritual pillars that inspire young people to keep moving forward, guide the pursuit of correct values in life, and are also the "calcium" of the spirit of the great rejuvenation of the Chinese nation, which determines the victory of building a modern socialist country. At the same time, strengthening the education of ideals and beliefs plays a vital role in the professional quality of college students. The education of ideals and beliefs is integrated into the course of "Literature Retrieval and Utilization" to guide students to establish a sense of mission for persistent pursuit of careers and a sense of responsibility for excellence, and to implement ideals and beliefs into working hard. In the course overview part of first chapter, the importance of literature retrieval and information literacy would be shown to students with retrieval cases. Considering the diverse majors of students, it is possible to select example deeds that students like and have the significance of ideological and political education as general search cases. Using the popular TV series "The Age of Awakening" and the main character Li Dazhao who was the director of the Peking University Library as example, Students would retrieve literature in the database to learn Li Dazhao's achievement during his work in the Peking University Library. Although Li Dazhao's major was not library science, he actively learnt advanced library management experience at home and abroad. After taking office, he had gradually completed the revision of the library lending system, the formulation of the library open-shelf system, and promoted the professional education of in-service librarians. The effective implementation of the measures would promote the transformation and upgrading of the Peking University Library to a modern library. Through learning his work content, students could be educated and nurtured in a subtle way, develop the professional quality of practical work and honest life, firmly approach the role model, and write a fulfilling life with ideals and beliefs.

3.4. From Carrying Forward the Spirit of Scientists and Correct Values

The spirit of scientists is the precious spiritual wealth accumulated by scientific and technological workers in the process of overcoming scientific difficulties. The course integrated with the spirit of scientists could help students understand the patriotic spirit of scientists who

have the motherland in mind and serve the people, the innovative spirit of climbing the peak and daring to be the first, the spirit of pursuing truth and rigorous scholarship, indifferent to fame and fortune, dedication to research, the collaborative spirit of gathering intelligence to tackle key problems, unity and cooperation, and the spirit of educating people who are willing to be a ladder and reward post-study. For example, when demonstrating literature retrieval with CNKI, we could show students how to search the papers published by Professor Huang Danian of Jilin University. At the same time, we would introduce that Huang Danian gave up the favorable scientific research conditions abroad, and resolutely returned to the motherland to preside over the development of Deep Earth. Deeds of detection technology research and development work. Fearless of difficult conditions, he worked hard to overcome technical difficulties, and at the same time devoted himself to education, cultivated students with due diligence, and built a team of outstanding scientific and technological talents. He dedicated everything he had to the country's education and scientific research, and was willing to sacrifice until the end of his life. Another example is to search academician Yuan Longping's academic papers to introduce his achievements in the field of hybrid rice to students. He invented the "three-line method" indica hybrid rice and created a super hybrid rice technology system by carrying out hybrid experiments on rice crops that are recognized as having no hybrid advantages. He pursued truth, did not believe in authority, and devoted himself to the field of hybrid rice for decades, and made great contributions to China's food security. He is worthy of the title of "Father of Hybrid Rice in the World".

4. Summary

Based on the teaching objectives and course content of the course "Literature Retrieval and Utilization", this paper discusses how to carry out Curriculum Politics construction of "Literature Retrieval and Utilization" from the perspectives of academic ethics, information ethics, patriotism, enthusiasm for innovation and creation, ideals and beliefs, professional quality, and scientist spirit. The integration of basic courses and Curriculum Politics is an important manifestation of Three-Whole Education. Therefore, how to further improve our own ideological and political theory so as to naturally guide the simultaneous improvement of students' knowledge and cultivation is questions that should be constantly thought by us.

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