

Exploration of Curriculum Politics in “PHP Programming” Teaching

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Abstract

The Ministry of Education has clearly pointed out that moral education is the responsibility and mission of universities. Ideological and political education is not only the task of ideological and political courses, professional courses should also be "education" through the "teaching." 'PHP Programming' course is the core course of computer application technology specialty. Combined with the teaching content of this course, this paper takes the integration of 'Ideological and Political Education' into the professional course as the background, puts forward the measures of reforming teaching objectives, innovating teaching design, perfecting evaluation system and optimizing teaching group, and expounds the exploration of the implementation of 'Ideological and Political Education' in this course.

Keywords

Moral education; Professional courses; Integration.

1. Objective of 'PHP Programming' Course

The Ministry of Education proposed that the construction of curriculum ideological and political education should be comprehensively promoted in all universities and all disciplines. Ideological and political education is the inevitable trend of the development of education in the new era. Ideological and political integration into the classroom is a problem that every educator should think deeply. 'PHP Programming' course is a compulsory course for computer application technology majors. It is a typical engineering course with strong professionalism and high requirements for students' practical ability. The main contents involved in this course include PHP foundation, function, array, HTTP protocol, Web interaction, session technology, object-oriented, MySQL database, PHP framework, etc. The key and difficult points are focused on the interaction between PHP and Web pages, MySQL database, PHP operating MySQL database, etc. The expanded content includes Ajax technology, PHP framework and so on, which lays the foundation for the subsequent development of PHP framework-related courses. In addition to completing the curriculum objectives of the traditional talent training program, based on the comprehensive promotion of ideological and political education in all disciplines, in response to the call of the Ministry of Education, actively promote ideological and political education into the 'PHP programming' teaching classroom. So that students in imperceptible, not only grasp the solid professional knowledge, at the same time in imperceptible, with noble personality and good moral quality, realize all-round education.

2. Ideological and Political Implementation of 'PHP Programming' Course

Professional courses require students to have strong hands-on ability, abstract theoretical knowledge, and are not easy to understand. This requires teachers to prepare more practical cases in the teaching process, which can stimulate students' interest in learning. Then, combined with the characteristics of some current real-time hotspots and professional knowledge, the two can be linked together, and the ideological and political education can be

infiltrated in the practice cases, which appears in the classroom teaching of professional courses in a more natural form. Students can gradually receive the ideological and political education without consciousness, so they will not feel the sudden emergence of ideological and political education in the specialized classroom.

Note that is not the ideological and political content into the more the better, not every knowledge point should be integrated, not every class should be integrated, redundant integration, will cause students to reduce the goodwill, but reduce the quality of teaching. Embedding appropriate ideological and political elements in the most appropriate knowledge points, just the right mapping and so on all show higher requirements for educators. 'PHP programming' Ideological and political classroom mainly from the following aspects.

2.1. Innovative Teaching Methods and Teaching Design

Firmly grasp the 'learning-centered', and promote the integration of theory with practice in the form of micro-classes, flipped classrooms, and sub-classes, so that students have a strong interest in learning. Key knowledge, key chapters, case-based teaching, pre-class preview, classroom explanation, after-school exercises combined. Taking the group as a unit, starting from the system requirements analysis, and then the outline design, detailed design, coding implementation, functional testing, etc., to jointly complete the development of a fully functional system. Teacher team timely communication, collective lesson preparation. Organize student seminars to understand students' learning difficulties and students' learning psychology, so as to formulate better teaching plans.

2.2. Enhancing Students' Participation Based on Information Teaching Platform

First upload the course syllabus and teaching plan to the Superstar Learning Platform so that students can clearly understand what relevant expertise will be learned in the next course.

Students are encouraged to preview knowledge. One week before class, the knowledge points of the next week are previewed to students in advance. Students are encouraged to preview professional knowledge in advance, and the professional knowledge they preview is combined with the actual life case or the social positive hot news. It is necessary to have certain links, not to put everything together, but to conform to the characteristics of professional knowledge. If the design is reasonable, and in line with professional knowledge points, combined with better cases, can be used as performance points to students to increase classroom performance. In addition, in order to improve the enthusiasm of students, we can also design some small games in the classroom, and give some small gifts as an attitude to encourage students to learn independently and dare to try. Let students participate in the design of the teaching plan, so that students are not forced to learn the feeling, but autonomous learning, to achieve multiplier effect. At the same time, students in the process of preparing cases, unconsciously deepen the professional knowledge, exercise the organization ability, design ability, logic ability, association ability, comprehensive ability is improved. At the same time, when expressing the moral reflected in the case, it is also constantly improving personal accomplishment and moral level.

In addition, the course can be recorded by recording micro-courses and short videos, which can also encourage students to learn independently and improve students' sense of self-achievement, so as to achieve the synchronous improvement of 'morality' and 'skills'. Teachers can also get through the highlights of student design.

2.3. Optimize the Teaching Team

In order to better complete the teaching work, the teaching staff of the same course group unite and help each other to form the 'PHP Programming' course group. Course group group lesson

preparation, learn from each other, the greatest degree of optimization of teaching design, methods, improve student evaluation system.

In order to make the teaching content closer to life, the teachers of the teaching group can use the summer and other time to go to the enterprise practice, personally participate in the actual development related to the course taught, increase their professional quality, and improve their macro grasp of professional knowledge, so that ' the teaching plan is always in the heart ', accumulate cases in life and work, and provide materials for teaching.

Organize teachers to declare related topics together to deepen the curriculum group teachers ' understanding of the curriculum.

2.4. Perfecting Curriculum Evaluation System

The same teaching content and the same teaching method teach the same students, the evaluation system standard is different, the students ' mastery will be different. There are many basic grammars involved in the course of ' PHP programming '. In addition to students ' mastery of test theory, it is also necessary to analyze the needs of the system. On the basis of demand analysis, the outline design is carried out, and then the detailed design is carried out to realize each function, write the relevant reports and complete the defense. Students also need to master some computer basic course content, web design, operation principle and application. The requirements for students' comprehensive ability are high. Usual performance, defense, project practice, report writing and other aspects accounted for a certain proportion.

Normal performance: can be divided into attendance, homework, stage testing and other aspects according to the degree of difficulty accounted for different proportions.

Answer: The quality of reply directly reflects students ' actual mastery of knowledge, which is a very important link.

Project practice: It can comprehensively reflect the students ' practical ability and the ability of integrating theory with practice.

Theoretical application: students' practical ability is indispensable. In the evaluation system, there should be a certain proportion. Students develop a good ability to integrate theory with practice in the learning stage, and apply their knowledge to practical learning to solve problems. In summary, a set of completed high-quality evaluation system plays a positive role in guiding students, and students can more deeply understand the basic skills they need to master

3. Classic Teaching Cases

In the teaching process of the " PHP Programming " course, the integrated environment wampserver is used. The software contains three most important services. In normal operation, the icon shows green. When a service fails to start normally, the icon shows yellow. When there is a serious problem, when two or more services fail to start, the icon shows red. When speaking to students, contact the health code during the current outbreak. The health code ' green ' represents the normal operation, and people can go to work and travel normally. Then the green icon of wampserver also indicates that all services of this software have been started, and all operations can be carried out normally. The yellow health code indicates that people are limited in their actions, and they must troubleshoot problems and temporarily cannot work normally until the problem is cleared. The yellow icon of wampserver also indicates that some software services are not properly started, and it is necessary to check whether the ports are occupied or not, so that they can be used normally after solving. The red health code indicates that there is no action, to isolate the processing, wampserver green icon also indicates that the software has multiple services are not working properly, need to check the problem or reinstall. Through the description of this case, students not only deeply understand the transformation of different working conditions of the software, but also have a better understanding of the

epidemic situation. It is infiltrated in the case teaching : the software cannot be used, we can unload and reload. However, the epidemic situation, our life, and the life of others cannot be re-loaded, only once. Therefore, we should be extra cautious, and in special periods, we should not trouble the motherland, the people, family members and ourselves.

Such ideological and political integration, students will not have any discomfort, will be impressed by the knowledge learned, and better understand the seriousness of the epidemic. Although it is a professional course, professional knowledge, but if careful enough, can always find the corresponding point from life, can be integrated into the classroom teaching, so that students have mastered the knowledge, know the facts, but also unconsciously understand some truth.

4. Conclusion

In summary, the integration of ideological and political education into professional courses is an inevitable trend of educational development. Educators need to constantly improve their comprehensive ability and innovate reform education. Taking ' PHP programming ' course as an example, this paper expounds some reform measures of training scheme for integrating ideological and political education into professional courses. Only by constantly exploring, reforming and practicing, software educators can cultivate professional talents with the times for the industry and cultivate talents with both ability and morality for the society.

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