

Research on Teaching Reform of Web Front End Design Course Based on OBE Concept of Achievement Oriented Education

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Abstract: Based on the OBE concept, this paper aims to reform the classroom teaching, teaching objectives and practical computer teaching of the front-end web design course. Its purpose is to improve the quality of teaching, let students master the skills required by the front-end web design, achieve the teaching objectives of this course, and lay a good skill and knowledge foundation for future employment.

Keywords: OBE, Web Front End Design, Curriculum Reform

1. Current Situation of Web Front End Design Course

The core technologies of front-end web design are HTML, CSS and JavaScript, which correspond to structure, style and behavior respectively. After learning web framework well and mastering HTML (Hypertext Markup Language), server-side scripting language, CSS (style sheet) and JavaScript, learning web framework can carry out web development more efficiently. Web front-end design course is a professional course for front-end students. Through the study of this course, students will have the necessary technology of front-end web design, master the common methods and tools of web design, and effectively improve the ability of front-end programming. However, freshmen and sophomores lack a clear concept of computer programming, and their understanding is more abstract. In addition, teachers mainly explain the contents of textbooks and lack opportunities for practical operation, leaving little time for students to practice independently, resulting in students' insufficient ability to analyze and solve practical problems, and the final teaching quality is not high. Therefore, teachers must effectively reform and improve the teaching of front-end design course.

2. Results Oriented Education (OBE) Model

As an advanced educational concept, achievement oriented education has been explored in theory and Practice for many years in some countries such as Europe, America and so on. This goal oriented education model determines the ability that students need to achieve when they graduate when they enter the school, and then carries out the cultivation of Students Guided by such achievement goals, and carries out the ability evaluation before graduation to determine whether they meet the standards. In general, OBE is a structural model of organizing, implementing and evaluating educational results centered on results orientation. This educational model is especially suitable for the cultivation of students in application-oriented colleges.

3. Teaching Reform of Front End Design Course Based on OBE Concept

3.1 Reform of Teaching Objectives

The key to formulating the talent training plan is that the school should recognize the application needs of enterprises, society and industries for professional talents, and learn the skills according to the needs. When teachers determine the training objectives of front-end learning and application talents, they should take into account the current needs and long-term needs and make diversified considerations. When imparting theoretical knowledge to students, teachers should ensure that students can effectively master the basic theoretical knowledge of front-end design, deeply realize the importance of curriculum

practice, cultivate students' creative thinking through reasonable curriculum practice training, and make them gradually learn to analyze and solve problems. In the teaching of practice, teachers should integrate the relevant logic of solving practical problems, let students expand their ideas, try to solve the same problem in different ways, and continuously optimize web design. Therefore, the teaching goal and reform direction of Web front-end design course based on OBE concept should be: improve students' professional ability, which means that the front-end design skills learned by students play a certain role in the industry and enterprises; Improving students' writing ability means that students can give full play to their team role in relevant fields and can communicate, assist and lead effectively; To enhance students' learning ability, students need to strengthen their independent learning ability, consciously follow up the latest front-end technology and relevant research results, and improve their professional comprehensive quality; Cultivate students' professional ability and make them have excellent professional quality; Let students contribute to the front-end related fields of web design by improving their own quality.

3.2 Reform of Classroom Teaching

The main form of teaching is classroom. Classroom teaching can enable students to achieve training objectives and graduation requirements. However, at present, there are deficiencies in the way of classroom teaching and education in China. Most classroom teachers explain too much, and it is difficult for students to really understand the knowledge points by listening to the theoretical explanation. The learning effect of students depends on classroom teaching. The classroom teaching of Web front-end design course is reformed with OBE concept. Based on the talent training goal of front-end learning, students are assigned challenging assignments, such as using case teaching method combined with discussion, inspiration, participation and other teaching methods. In order to achieve high-quality teaching results, teachers can use case teaching method to show the contents of teaching materials to students step by step. Teachers can use the method of case expansion to cultivate students' innovative thinking, such as organizing students to discuss: how to carry out web page layout? How to modify the code if you want to center the elasticity of the web page? Which code should the length of the web box be adjusted? When students discuss the above enlightening problems, they can imagine, deepen their understanding of knowledge points on the one hand, and improve their comprehensive problem-solving ability on the other hand. In the process of accepting case teaching, students can effectively integrate their knowledge, improve their ability to analyze and solve practical problems, and complete the teaching objectives and tasks of the course.

3.3 Reform of Practical Teaching

The practical teaching of Web front-end design course is of great significance. The practical teaching in most schools refers to allowing students to write relevant codes according to the experimental instruction manual, which is divorced from the programmer skills required by the enterprise. If students do not have the instruction manual, they are difficult to complete complex programming independently and can not complete the development of practical projects. Therefore, teachers should design experimental tasks and carry out experimental teaching according to the training objectives of the course, so that students can learn to integrate in practical training. In practical teaching, students have individual differences. The same practical training is not challenging for some students, and it is too difficult for some students. Therefore, practical teaching should follow the principle of different from person to person. Taking the practice of the "box model" the first mock exam, teachers can let students choose their corresponding practical goals according to their own abilities. If students choose "simple understanding", they can simplify the practice of this link. If students choose "sprint master" or "write a more beautiful web page", they can choose the difficulty of practical training. Teachers group them according to students' choices. Students complete practical training through cooperation and regularly report the progress of practical projects to teachers. When students complete their goals, they can move forward to greater goals. In the process of practice, students can fully consolidate their professional knowledge, cultivate the ability to analyze and solve practical problems, and cultivate the spirit of unity and cooperation, which is of positive significance.

4. Conclusion

The OBE concept is a reform and innovation of the traditional education concept. The OBE concept is used in the web front-end design course for teaching reform, taking the actual needs of social industry enterprises as the starting point, following the students' learning subject status, reverse design the course

teaching links, and reform the classroom teaching and practical teaching scheme, which is conducive to stimulating students' interest in learning and exploration, Teachers can optimize the teaching contents and methods, improve the firmness of students' knowledge, improve students' programming ability, cultivate students' comprehensive application ability, and greatly improve the teaching quality.

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