The Improvement of Teaching Design Ability of Physical Education Major Based on Computer Media Scene Teaching Video Model under the Concept of OBE Teaching

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Abstract. The teaching design ability of physical education specialty based on the teaching concept of computer media OBE can effectively carry out the teaching, improve the teaching quality and realize the optimization of physical education teaching. The teaching design of physical education major adopts the concept of OBE and computer media situational teaching video model, which requires the diversification of teaching skills training and the establishment of a comprehensive training system. This paper firstly analyzes the teaching objectives and teaching design of physical education major in China, and then studies the influence of computer media on the teaching design ability of students majoring in physical education. Finally, it gives the strategies to improve the teaching design ability of physical education major by integrating the conceptual model and scene teaching video of OBE.

Keywords: Scene Teaching Video Model, Physical Education Major, OBE Teaching Concept, Teaching Design, Computer Media Scene

1. Introduction
As an education mode and teaching concept for market demand and training students' ability, the core change brought about by OBE is to completely abandon the previous curriculum system construction methods, and to meet the needs of the industry, design the training objectives in real time and dynamically, adjust the requirements for graduation ability in time, and build a comprehensive curriculum system around the core demands of students[1]. In addition, the teaching quality monitoring and evaluation under the OBE teaching concept is based on the students' learning results as the only standard, which requires curriculum setting, teaching, assessment and evaluation to be based on the training objectives and consistent with the training objectives[2]. OBE's educational philosophy is output oriented, student-centred and continuous improvement. It emphasizes students' independent learning, and teachers mainly play the role of consultants and coordinators[3]. The teaching design ability of PE Major Based on OBE teaching concept can effectively teach, improve the teaching quality, realize the optimization of PE teaching, and stimulate students' interest, comprehensive ability, and comprehensively improve the teaching quality[4]. Therefore, it is of great practical significance to study the improvement of the teaching design ability of PE Majors under the concept of OBE, which integrates the scene teaching video model.

2. The teaching goal and design of physical education major
2.1. Teaching objectives of physical education major
Through a large number of market research on the ability demand of physical education professionals, the training objectives and graduation requirements of physical education majors are formulated[5]. Then, according to the graduation requirements of physical education major, the assessment index points are subdivided, and the curriculum of physical education major is designed around these index points[6]. The teaching objectives of this course are shown in Figure 1.

![Figure 1. The teaching objectives of physical education major](image)

In addition, the corresponding relationship between the curriculum teaching objectives and graduation requirements of physical education specialty is shown in Table 1 below.

| Graduation requirements                                      | Index point                           | Teaching objectives |
|--------------------------------------------------------------|---------------------------------------|---------------------|
| Expertise is used to solve practical problems.               | Basic concepts and theories           | 1                   |
| Problem analysis for effective solution                      | Identify, express and analyze problems through basic knowledge to get conclusions | 2                   |
| Embody innovation consciousness in design link              | Design solutions                      | 3                   |
| Be able to communicate in a cross-cultural context.          | Read and write reports and documents. | 4                   |

2.2. Teaching design of physical education major
Based on the OBE teaching concept, after defining the teaching objectives of the physical education specialty, the innovative design of the teaching mode is actively carried out around the teaching objectives, and the teaching design is carried out from three aspects as shown in Figure 2 below. First of all, carry out the constructive teaching method design of physical education, that is, teachers set up the curriculum framework, and then lead students to actively learn the required knowledge, so as to mobilize students' emotions, let students become the main role, teachers mainly play the role of guidance and coordination, and teach the key knowledge points, and then build the knowledge framework. Secondly, teachers have defined the knowledge points they impart, leaving the time of PE class for students to actively study according to the needs of PE major, and the project runs through the whole class, so that teachers' advice and students' implementation complement each other and ensure the implementation effect of PE.

![Figure 2. The innovative design of the teaching mode](image)
3. The influence of situational teaching video model on the teaching design ability of students majoring in physical education

3.1. The role of scene teaching video model
The ability of physical education teaching design is an important way to improve the quality of physical education teaching and realize the optimization of physical education teaching. It is also the direction of the implementation of new physical education curriculum and the professional development of physical education teachers. Physical education needs early teaching design. Based on the OBE teaching concept and scene teaching video model, integrating the teaching of physical education design ability into the teaching video can not only effectively improve the teaching design ability of students majoring in physical education, but also cultivate the learning ability of students.

3.2. The influence of scene teaching video model
The scene teaching video model is based on the teaching design ability of teachers. It is a learning way to help teachers analyze teaching problems, design solutions to teaching problems, test the effectiveness of the solutions and make corresponding modifications. First of all, we should learn from others' experience, enrich our knowledge and experience system, and extract our own practical knowledge through improving the circulation training way. Secondly, the observation indexes of teaching practice before and after the video learning of situational teaching are found to have significant differences in the classroom observation indexes. The design of each teaching link has obvious changes. The video model of situational teaching has an obvious promoting effect on enriching students' teaching design ability. In addition, judging from the students' teaching ability before and after learning the situational teaching video, some of the most obvious indicators are shown in Figure 3.

4. The strategy of improving the teaching design ability of PE major based on the combination of OBE concept and situational teaching video model

4.1. Strengthen the education of new teaching skill concept
On the basis of criticizing and inheriting the traditional teaching ideas, it should strengthen the training and education of the new curriculum teaching ideas for the students majoring in physical education, so that the students can better grasp the teaching design principles such as considering from the whole and system level, paying attention to generation, etc. Therefore, first of all, we should carry out the concept education of teaching skills according to the best time for new students to enter school. Secondly, through inviting excellent middle school teachers to give lectures, perform the basic skills of difficulty, participate in exhibitions and other forms to educate students, so that they can gradually clarify the quality and requirements of teachers, and finally guide students to learn the documents related to teaching skills, so that they can make clear the training objectives and measures of teaching skills in each stage, and put them into practice.
4.2. Setting up scene teaching video course of Physical Education

In the teaching skill training course of physical education specialty, the scene teaching video course of physical education specialty teaching is set up to introduce the latest theory into classroom teaching. In the teaching process, it should increase the learning and application of the new curriculum concept, and increase the explanation and demonstration of the design procedures and methods of physical education. Such as the study of the new curriculum standard of physical education and health, the observation and discussion of the video recording of the new curriculum standard of physical education, the case analysis of the teaching design of the new curriculum standard of physical education, etc. The cultivation of the ability of physical education classroom teaching design needs to increase the proportion of practice courses, increase the content practice for practice, strengthen the combination of theory and practice, and highlight the cultivation of the ability of teaching design. In addition, in the aspect of educational practice, it should expand the students' practice time and further improve the practice effect.

5. Conclusions

In summary, the teaching design of PE major with OBE concept and situational teaching video model is a process of gradual accumulation, which requires that the training of teaching skills should adopt diversified training approaches, combine practice with reflection, and build a comprehensive training system. In addition, we should promote the campus environment composed of educational skills, stimulate the enthusiasm of students to participate in the training of teaching design ability, and promote each other with educational practice. Through setting up the scene teaching video course of physical education and strengthening the education of new teaching skills and concepts, we can improve the positive promotion of auxiliary practice, teaching ideas, teaching organization, student interaction and learning interest, so as to constantly improve the teaching design ability of physical education.

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