Research on the Design of Online Teaching System of Basketball Basic Technology

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Abstract. With the popularization and application update of multimedia teaching, the advantage of this information technology in teaching has become more and more prominent, and it has been continuously surpassing the pure application mode to the independent research and development mode. It is very obvious in higher education, and the new educational informationization development mode combining application and development is emerging constantly. Practice has proved that the education model of "Internet + education" is leading China into the era of educational informationization 2.0 [1]. It will be a necessary way to realize the high quality and balanced development of education to drive the modernization of education with informationization. This paper adopts the research methods of literature, questionnaire, mathematical statistics and software engineering, combines the teaching characteristics of technical courses and the learning rules of students majoring in physical education, analyzes and designs the online teaching of basic technical courses of basketball and studies the online teaching system of basic basketball teaching.

Keywords: Basketball Basic Skills, Online Teaching, System

1. Introduction
The Internet is the perfect combination of multimedia technology and modern education technology, computer, mobile phones, electronic readers, and the strong interactivity, the Internet straightforward and easy to understand, abundant, can very good make up for the inadequacy of the traditional education mode, online teaching system by building a basketball basic technology, the Internet technologies into teaching, can deepen students to basketball further understanding and mastering of the basic technology, still can make the original unilateral teaching into bilateral or multilateral interactive teaching.

2. Basketball teaching content
There are numerous researches on basketball teaching content, both in terms of research breadth and research depth. The teaching thought of physical education teachers should change from strengthening students' physique to guiding students' healthy development, and the focus of teaching should also change from students' psychological and social adaptability development and the singularity of teaching content to more flexibility [2]. Not only that, but he also put forward in the teaching design, teachers need to be comprehensive and reasonable consideration, teachers need to recognize
differences between each of the students, the students need to know before design related physical education teaching contents for the teaching content of learning interest and know the situation, in basketball teaching difficulties need to highlight the key content and method, level clear, clear [3]. In terms of the integration of basketball teaching in primary and middle schools, the depth and number of class hours of basketball teaching should be gradually deepened and increased from primary school, middle school and university, which is in line with the development law of sports events in school sports [4]. Primary schools to cultivate interest, secondary school in-depth study, university to form a hobby, is the primary and secondary basketball teaching trilogy should pursue the teaching objectives. Basketball teaching content appears simple and low-level repetition, which mainly exists in basketball teaching activities in middle schools and universities. Modern educational technology should be fully utilized to carry out more intuitive and perceptual basketball teaching through multimedia, network and other teaching resources, instead of restricting basketball teaching to the basketball court. The application of online education in basketball teaching.

3. The application of online education in basketball teaching

With the rapid development of information technology, the interactive form of mobile Internet is widely accepted by the majority of social groups. Based on this, education reform began to pay attention to the important role of information technology. Online teaching based on information technology, students can choose teaching content according to their own preferences, so that teaching becomes more independent, free. So that students can be more focused on the content taught by the teacher, not easy to wander. The flexible form of online teaching is more in line with the curiosity of students, easy to arouse students' interest in learning, so that they are willing to explore the mystery of basketball. In addition, the theoretical and practical research on online learning of basketball basic technology teaching in China is relatively weak, far behind the application level of developed countries such as Europe and the United States. Early research and exploration on relevant issues in the application of MMCAI Courseware for Basketball Teaching in Colleges and Universities [5]. Subsequently, a preliminary study on the teaching, training and modern educational technology theory of basketball basic technology in "Discussion on the Design of Multimedia Network Software for Basketball Basic Technology Teaching and Training" [6]. Basketball teaching belongs to sports discipline, can cultivate students' interest in sports and improve the students' personality, improving the students' learning quality, to the student future development has the vital role, especially in the network game of society's, sports teaching to promote students' physical health level, cultivate lifelong sports habits telomeres. The responsibility of establishing a correct view of health. Basketball has its own charm, and its competitive ability consists of many elements, such as physical ability, skill and tactics. Its technical type is rich and varied, the tactical style is dazzling. Obviously, in the process of basketball teaching, its technique and tactics teaching is the key content of teaching, the traditional teacher-centered, book-centered and classroom-centered teaching mode teaching efficiency is low, difficult to achieve the ideal teaching effect. Therefore, it is imperative to update the basketball teaching mode.
4. The teaching function of the basketball basic technology online teaching system

Teachers are the executor of teaching and the guide of students' learning in the process of teaching. Teachers should be given the highest authority in the process of teaching in the research on the design and implementation of the online teaching system of basic basketball technology in system functional design. Because of this study is subject the basic basketball technique teaching building and application of online learning system corpus, project early has completed two rounds of expert investigation and interview, through the statistics, determine the basketball basic skills online learning system includes courses online teaching management, teaching operation, online testing, online job nine teaching function module. In order to improve the effectiveness and scientific nature of this research, the third round of expert survey was conducted on the basis of the previous research. The results showed that the experts highly recognized the 7 teaching function modules of this system, and believed that this system had strong operability. The specific statistical results are shown in Figure 2. It can be seen from Figure 2 that, in the survey of teachers' teaching functions, teaching teachers and administrative administrators gave high scores to the 7 functions of course management, teaching operation, online testing, online homework, course assessment, teacher-student interaction and system management, all of which were above 3 points. The function module of resource download should not be set as the function module of the system. In the evaluation of teachers and students to give different opinions, indicating that they have different views. On the basis of expert interviews, combined with basketball teaching practice and reference to the construction experience of other online teaching systems, it is considered that the teacher-student evaluation belongs to the management category of the Office of Academic Affairs and is used to evaluate the teaching professional level of teachers. Therefore, it should not cover the construction scope of this system, so it is removed. Therefore, the functional modules with the final score above 3 points are retained as the teaching functional requirements of teachers in this system. In addition, according to the main interaction behaviors of
teachers in the system, the functional point Settings of each function module are sorted out and analyzed to determine the functional point demand system of teachers' teaching functions.

Figure 2. Statistical chart of students' learning function of basketball basic Technology online teaching system.

5. Summary
It can be considered that the domestic research methods in this field are single, most of which adopt conventional research methods, and the innovation of research methods is not enough. The research results are small and the quantity is not large; Most of the researches are still in the initial stage of surface exploration and lack of in-depth theoretical analysis and verification. The research on the operation time of online teaching system of basketball basic technology is deficient and insufficient. Therefore, this study intends to take the online teaching research as the entry point and the basic basketball technology as the teaching content, aiming at clarifying the functional structure and design logic of the online teaching system of the basic basketball technology, and providing a theoretical basis for the development of the online teaching system of basketball teaching [7].

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