Research on Computer Analysis and Training Scheme of College Sports Talents Based on Demand Oriented Theory

Shuhui Jiang¹,*

¹Zhengzhou university of science and technology, Zhengzhou City, Henan Province 450064 China

*Corresponding author e-mail: jianghui@zit.edu.cn

Abstract. With the rapid development of social economy, modern people's demand for health is higher and higher. At the same time, the demand for health care is also increasing. However, the health care services provided by the current society are far from meeting people's needs. In this situation, the relevant personnel of physical education in Colleges and universities must actively look for countermeasures and reasonably adjust the objectives of physical education. Only by improving the current PE teaching mode can we make the trained PE talents more in line with the actual needs of the society, and then promote the development of sports.

Keywords: Social Needs, College Physical Education, Educational Development

1. Introduction

With the progress of the times, profound changes have taken place in the demand for talents. The social demand for sports talents is no longer limited to the major of physical education, and the employment advantage of the major is gradually declining. The traditional sports talents with single and professional knowledge have lost their competitiveness in the market, and the society needs practical talents with complex and comprehensive abilities [1].

2. Analysis of social demand for physical education talents

2.1. The social demand for PE teachers is small

At present, many middle schools and primary schools have very low professional requirements for physical education teachers. Some of them can directly choose teachers of other majors who have graduated from normal schools, or they can be served by demobilized soldiers. At the same time, the number of teachers in many middle schools is overstaffed, Physical education courses are often run by cultural courses. It is only required to keep the current team of physical education teachers sufficient to
complete the daily physical education teaching tasks. The only individual teachers with sports expertise in the school need to focus on cultivating a small number of "sports top students" to improve the entrance examination rate of the school. And according to the survey, the probability of graduates of physical education major entering colleges and universities to teach is very small. Only individual graduates with very high level of physical education specialty are likely to be recruited by colleges and universities [2]. With the advent of the era of knowledge economy, colleges and universities have higher and higher educational requirements for physical education teachers, And the graduate students have been regarded as the basic entry requirements of college physical education teachers, and only limited to the selection of a small number of high-quality masters with professional expertise. Some colleges and universities have focused on doctors. "Table 1 is the employment situation of a college graduate.

Table 1. Statistics of employment situation of physical education graduates in a university in recent years

| Session | Teacher | Fitness training | Graduate student | Enterprise / company | Other | Unemployed |
|---------|---------|------------------|------------------|----------------------|-------|------------|
| 2017    | 35      | 15               | 8                | 43                   | 19    | 1          |
| 2018    | 28      | 19               | 5                | 25                   | 20    | 4          |
| 2019    | 21      | 27               | 6                | 22                   | 24    | 4          |
| Total   | 84      | 62               | 19               | 90                   | 63    | 9          |

2.2. There is a high degree of dispersion of professional demand for sports posts in the society

With the diversification of social development, the demand for sports talents in Colleges and universities is no longer limited to the development of physical education majors, with more than six majors selected, The demand for physical education teachers is declining. And the current situation of single physical education major in high schools has also changed significantly. There are more and more emerging majors related to physical education. The scope of corresponding social demand selection is also expanding, and the degree of dispersion of professional selection by employers in society is becoming larger, Colleges and universities need more and more sports training talents, mainly because the universality of sports technology leads to the urgent need for high-level sports skills training. In the society, some fitness institutions need sports health professionals very much, mainly because these talents can not only be competent for the guidance of fitness technology, but also can do comprehensive health knowledge for those who need fitness Finally, sports business institutions, sports management institutions and sports fitness institutions need a certain number of professionals in sports economy and sports management from the perspective of market management and marketing [3]. At the same time, government management departments such as communities and towns need a certain number of sports talents to organize and guide the sports activities of the people.

2.3. The society needs to improve the comprehensive ability of physical education talents

With the continuous improvement of society, the comprehensive ability of physical education talents is not only limited to the professional knowledge that students learn in school, but also pay more attention to individual comprehensive ability. The modern society needs talents with a wide range of knowledge and skills. The talents with narrow professional ability trained under the traditional education mode do not meet the practical needs of the society. For example, the society requires that the talents of physical
education major not only have the basic physical education knowledge and skills, but also have the ability to organize, manage and train a sports team, Or the ability of fitness guidance for all kinds of people in the society, the most important thing is to have comprehensive and solid modern health knowledge, to give scientific health guidance to some patients with chronic injury, or to give scientific rehabilitation guidance to patients after recovery. This kind of sports talents is more in line with the needs of the society [4].

3. Countermeasures of developing college physical education based on social demand

3.1. Adjust the goal of physical education reasonably

In recent years, science and technology have developed rapidly and the education system has been constantly changing. At the same time, society has put forward new requirements for college sports, and the idea of healthy sports has been deeply rooted in the hearts of the people. Among them, healthy sports is mainly divided into three aspects: improving sports skills, enhancing physical fitness, and cultivating good mental health. In order to accomplish these three goals, it is required that colleges and universities should reasonably adjust the teaching goals of physical education, put the teaching goals on the mental health of students, and continuously improve the ability of students to adapt to society. At the same time, college physical education can also exercise and improve the willpower of students through sports competitions, select sports projects that require teamwork to complete, and cultivate students' sense of unity and cooperation. Schools should not only focus on schools, it still should serve the students out of the social workplace in the future [5]. The future college physical education should include not only various activities in the sports arena, but also various aspects of sports management, sports economy, and sports culture. Students can learn about sports culture and develop physical exercises through the course of sports. In this way, after they enter the society, they can maintain a good mental state, improve the quality and efficiency of their work. Secondly, in the future college physical education, they will cultivate students' comprehensive ability and continuously enrich and improve their physical knowledge for physical education. Goal. When setting up physical education courses, we should be as diverse as possible and continue to innovate teaching models in order to meet the needs of society for comprehensive sports talents [6].

3.2. Improving the current physical education teaching mode

In today's society, it is necessary to combine humanitarian knowledge with science and technology education to improve the current university physical education model. With the rapid development of information technology, the technological revolution is gradually becoming the trend of social development; with the advent of the era of knowledge economy, the knowledge economy has become a comprehensive integration of humanitarian and technical education; with the advancement of the education reform of the Ministry of Education, backward The concept of backward education is gradually abandoned by society. In the new educational concept, teachers not only impart basic knowledge to students, but also make them healthy. It should also help establish the concept of lifelong exercise. By repeatedly training the student's physical training skills, the student can continuously improve his physical skills and stimulate his hidden physical skills. Physical education teachers need to organize gymnastics reasonably based on differences in physical fitness and establish a standardized physical condition and health evaluation system. The physical examination needs to pay attention to the students' exercise process, emphasize the concepts of fitness and active participation, and change the
traditional exercise guidance methods used for examination purposes. In physical education, students can choose the content of learning according to their own interests, and teachers can also choose. To better develop diversified and multi-level sports talents with different sports experiences to meet the diverse needs of the society for sports talents [7].

3.3. Update physical education curriculum and teaching methods

At present, there are many kinds of colleges and universities, and the training objectives are also different. There is also a big gap in the curriculum of physical education. Some of the physical education courses offered by some schools are monotonous, and the teaching contents are old and backward. Some schools lack teaching materials suitable for the needs of their students, which do not meet the needs of the development of the times. As a result, the enthusiasm of students in learning physical education is low, It is necessary to optimize and update the physical education curriculum, delete those sports contents that do not meet the social needs and students are not interested in, and add sports items that are closely related to students' life, such as fitness, sports science knowledge, sports disease prevention knowledge, so as to give full play to the practicality of sports to meet the actual needs of society and students, At the same time, it is necessary for college physical education teachers to change the "health oriented" teaching mode, Finally, in the aspect of physical education teaching content, we should not only pay attention to teaching students to master sports theory knowledge, but also ignore the cultivation of students' mental health ability and social adaptability, This requires teachers to adopt novel heuristic, inductive and situational teaching methods to fully stimulate students' enthusiasm for sports, and encourage them to actively participate in sports activities. In the process of participating in sports activities wholeheartedly, they can feel the charm of sports and the passion of sports life [8].

4. Combining with computer to teach sports skills

4.1. Computer simulation of technical action

For physical education, the technical action is the basis of teaching, and the mastery of every action needs careful teaching. Therefore, in the use of multimedia computer technology. After inputting the whole movement of the students into the computer, we should accurately analyze the track of the students and the standardization of each part of the body, and parameterize the movement of each joint point, so as to produce relative changes to the movement of the movement technology, and finally help the students to better improve the shortcomings of the movement. Therefore, for the multimedia combination in computer technology, it effectively solves the problems that are difficult to solve in traditional teaching. The flow chart of computer technology editing and synthesis technology is shown.
Figure 1. Flow chart of computer technology editing synthesis technology

4.2. The role of computer in cultivating tactical awareness in Physical Education

In the traditional teaching of physical education in our country, it is difficult to achieve the actual combat drill. However, through the application of computer technology in physical education, students' tactical awareness can be effectively cultivated. In the test, students can accept the collective training test in the same tactical situation, and output the controlled tactical situation through the overall communication mode, so as to increase the students' on-the-spot adaptability and improve their tactical ability in physical exercise [9].

4.3. Computer technology innovation

Due to the traditional physical education teaching, the content is too simple, boring learning concept can not stimulate the students' creative ability and enthusiasm. Therefore, in the use of computer technology, each action can be free decomposition, integration and innovation. By controlling the majority of forms on the computer, each action can be made coherent and made into software. In this way, we can combine the comprehensive characteristics of students to innovate the teaching system, and finally achieve good teaching results in physical education [10].

5. Conclusion

In a word, with the rapid development of science and technology, the society requires students' intelligence level to be higher and higher. As a result, many colleges and universities pay too much attention to the cultivation of students' intelligence level, ignore the health education of students, and
Humanities and Social Sciences project of Henan Education Department, Fund name: Integrating sports into general health: A Study on the “sports medicine integration” model of Health China governance (Grant number: 2021-ZZJH-438).

then ignore the physical education. But health is the foundation of life, and also the source of happiness. Therefore, physical education workers in Colleges and universities should have a clear understanding of the reality. Based on the needs of social reality, we should reform the situation of physical education which is divorced from social needs, and pay attention to the concept of cultivating students’ physical health, so as to cultivate more sports talents with strong comprehensive ability for the all-round development of society.

Acknowledgments

References

[1] Wang Houhong, Duan Qi. The reform of College Physical Education under the guidance of Lifelong Physical Education. Science and technology information (Academic Research) 2008,7 (32): 112-113.

[2] Zeng Jianbin. Investigation and Research on the employment situation and expectation of physical education graduates in China 1 --- Taking 11 normal universities in East China as examples]. Journal of Beijing Sport University, 2011,5 (02): 58-59.

[3] Chen Yu, Zhao Changzheng. Employment destination and social demand of social sports graduates in Jiangsu Province [UJ]. Journal of Military Sports Institute, 2011, 2 (03): 24-25.

[4] Peng Sanying. Dilemma and way out: Rethinking of College Physical Education under the background of balanced development of education. Physical education and science, 2013,34 (2): 118-119.

[5] Wang Hao. Analysis of College Physical Education Reform [D]. Science and technology innovation guide, 2008,4 (13): 109-110 Ma Bingjian. Structural characteristics, damage rules and protection and repair methods of Chinese ancient buildings. Traditional Chinese architecture and gardens, 2006, No.03, 57-62.

[6] ZhangPing. Journal of Chengdu Institute of physical education, 2008,34 (10): 92-94.

[7] XU Shuofan, DAI Fei. Research on Training Methods of Computer Professionals in Universities [J]. Science and Technology Information,2018:141+143.

[8] Li Chunxiao. Research on Training System of Computer Professionals in Universities Based on Talent Supply Chain [J]. Economic Research Guide,2017.

[9] Yu Dongmei. Research on Training Mode of College Computer Professionals Based on MOOCs [J]. Modern Computer (Professional Edition),2014:22-25.

[10] Liu Lili, Chang Xuehong, Lu Min. Research on the reform of university teaching management based on talent cultivation demand-oriented [J]. Asia Pacific Education,2015:217+232.