

Optimization of Experimental Teaching in Economics and Management from the Perspective of “Double-First-Class” Construction

Nianyun Liu^{1, a}, Yang Gao^{1, b,*}

¹School of Business, Jiangnan University, Hubei 430056, China.

^alny0302@163.com, ^bangy1992@foxmail.com

Abstract

In recent years, the state has placed science and technology innovation at the core of the overall development, optimizing the discipline structure, integrating educational resources, and building high-level universities are the overall trends and objective requirements of China's higher education in the future. In this context, the key experimental centers of colleges and universities should focus on the dual-level construction goals, face the major needs of the country, face the frontiers of science and technology, further consolidate the characteristics, innovate the organizational model, gather resource elements, enhance the ability of scientific and technological innovation, and produce first-class scientific research results, effectively supporting Double first class construction. This paper discusses the characteristics of the teaching and learning of economics and management experiments. On this basis, it puts forward some opinions on optimizing the construction of the experimental teaching of economics and management, so as to better promote the construction of "double first-class" universities in colleges and universities.

Keywords

"Double first-class" construction, characteristics of economic management experiment teaching, optimization construction.

1. Introduction

The "13th Five-Year Plan for National Economic and Social Development" has established the concept of innovation, coordination, green, openness, and shared development. As the overall outline and main line leading the overall development of the "13th Five-Year Plan", innovation is in the first place. As the first source of national core innovation capability and original innovation capability, colleges and universities must become the backbone of the country's core competitiveness. In response to the urgent need for the country to improve the development of innovation capabilities. In October 2015, the State Council formulated the "Overall Plan for Coordinating the Advancement of World-Class Universities and First-Class Disciplines", which is an important strategy after the Ministry of Education initiated the transformation of some undergraduate colleges to applied talents. The "double-first-class" construction work is carried out to improve the quality of higher education in China and accelerate the development of higher education. In 2016, the Ministry of Education's work points clearly clarified that accelerating the construction of world-class universities and first-class disciplines is an important measure for China to develop into a world's higher education power. At present, the climax of building "double first-class" has been set up nationwide. In this process, it is also important to build first-class experimental teaching. Carrying out experimental teaching in a first-class experimental teaching center can provide an environment for growth and development for the construction of first-class teachers, provide a space for development and innovation for talent training, provide a stage for the verification and creation of scientific research, and inherit the culture. Provide opportunities for expansion and complementarity in order to provide a platform for training and practice for the transformation of results. Taking the experimental teaching construction of the Economics and Management Experimental Teaching Center of the School of Business as an example,

the experimental teaching of the management is an important support for talent cultivation and discipline construction, and it is an important aspect to show the strength of the “double first-class” construction of colleges and universities. The experimental teaching of economics and management is an important supplement and practical exercise of theoretical teaching, and it is an important means to integrate social talents. Therefore, in the context of "double first-class" construction, we must intensify the reform of economics and management experiment teaching, innovate the experimental teaching system of economic management, accurately position the experimental teaching function of the economic management, and optimize the construction of experimental teaching of the economic management, so as to better contribute to the creation of “double first class” in the school. Next, we will analyze the characteristics of the experimental teaching construction of the economic management class and propose optimization suggestions to promote the sound and rapid development of the “double first-class” project in the school.

2. Characteristics of Economic and Management Experiment Teaching

2.1 The experimental form of economics and management is simple and the results are abundant.

The experimental teaching and construction of economics and management is relatively weak, and often exists as a supplement to deepen theoretical courses. Students only rely on theoretical knowledge but do not have the ability to apply it. It is difficult to meet the needs of rapid social development.

The purpose of management experiment is to train the experimenter’s adaptability and ability to deal with affairs based on human subjectivity, variability and individuality. Nowadays, computer is the main equipment in the experimental teaching center of management. Experiments of different specialties can be completed in the same laboratory, such as financial modeling, international trade customs declaration, bank documentation process, etc. They can be carried out on different software of the same computer equipment. However, the experimental results of each experimenter are different, and the purpose of the experiment is also rooted. According to different types of experiments, there are differences, such as financial modeling pursuing the personalized creation of the experimenter, international trade customs declaration and bank documents process training the skilled operation of the experimenter, and so on.

2.2 The content of economic and management experimental teaching keeps pace with the times and changes quickly

With China’s integration into the world economic structure, the impact of fluctuations in the world economic cycle is growing. Therefore, China’s domestic and international economic environment are changing rapidly, and the corresponding theoretical teaching content of economics and management specialty is also changing rapidly. Especially with the development of modern service industry, there are higher standards for the teaching content and objectives of economics and management experiment. For example, international trade theory has undergone four major changes in nearly half a century. From the earliest classical trade theory to the new trade theory, the rapid development of basic theory will inevitably lead to constant changes in the content of practice. Another example is the experiment of international trade customs declaration practice, whose teaching content will change because of the change of the official customs declaration procedure, or even because of the upgrade of the electronic customs declaration system. There are also econometrics experiments. OLS ordinary least squares method, which was a key experimental teaching content a few years ago, has been replaced by more complex new contents such as multiple linear regression, quantile regression and threshold regression, while other experimental teaching contents such as financial model, financial accounting, engineering management and so on are more changeable.

According to the development concept of the Tenth Five-Year Plan of Education Informatization and around the characteristics of the experimental teaching construction of economics and management,

the following considerations are put forward for the optimization construction of the experimental teaching of economics and management.

3. Optimizing the Construction of Economic and Management Experimental Teaching

3.1 Promoting the Innovative Informatization Construction of Experimental Teaching

Disciplinary construction is the foundation of “double first-class” construction, and technological innovation capability is an important support for “double first-class” construction. The improvement of the level of discipline construction depends on the level of scientific research and innovation capabilities. Looking at the history of world-class universities and first-class disciplines, it is not only a collection of high-quality talents, but also a collection of high-level academic talents. It is also the source of first-class scientific and technological innovations. The process of scientific research is the process of the organization of disciplines, and it is also the process by which academic leaders lead the entire academic team to produce, disseminate, integrate and apply knowledge around a certain research direction. To achieve the Chinese characteristics and world-class construction goals, universities must deepen comprehensive reforms, optimize the discipline structure, consolidate scientific research characteristics, innovate organizational models, and gather resources.

Nowadays, with the rapid development of network information technology, student’s learning methods are also changing. In the future, students’s learning will no longer be limited by time and space. The experimental teaching of economics and management needs to seize the opportunity of development, promote the teaching reform and occupy the strategic highland. The virtual simulation experiment teaching carried out by the Ministry of Education since 2013 has greatly improved the experimental teaching level and discipline construction level of economics and management.

3.2 Promoting Open Multidimensional Development

On the premise of fulfilling the task of experimental teaching, opening laboratory resources and realizing the sharing of the public will be the best solution. In addition to sharing laboratory instruments and equipment to researchers.[1] It can also provide popular science education to people of all ages, optimize the allocation of resources, and let the public share high-quality experimental research results. To build a "double-first-class" project with the strength of all parties.

3.3 Promoting the Training of Comprehensive Quality of Laboratory Technicians

In the future, there will be subversive changes in experimental teaching. Experimental technicians should change their ideas, strive to improve their own quality, and actively participate in the development of intelligent classrooms and virtual simulation experiments[2], including the construction of large experimental data, the intellectualization of operation steps and the optimization of teaching methods.

4. Conclusion

As an important part of the "double first-class" construction in Colleges and universities, the construction of economic and management experimental teaching should be optimized. It is our duty to build a first-class experimental teaching center, master the first-class experimental teaching management level, create a first-class experimental teaching team, and build first-class experimental teaching hardware and software facilities, so as to contribute to the construction of "double first-class" in Colleges and universities. Offer.

Acknowledgements

I would like to thank the school I work for, and I have benefited a lot from it and made academic preparations for the thesis.

References

- [1] Zhaoyang, Guan Liping, Li Haiyan, Cherie. Exploration and Reflection on the Construction of Laboratory Technology Team in Research Universities [J]. Laboratory Work Research in Universities, Vol.4(2015),No.7,p.172.
- [2] Cui Shengguang. Research and Application of Intelligence Laboratory Construction in Colleges and Universities [J]. Journal of Liaoning Communications College, Vol.5(2016),p.58-60.
- [3] Information on <http://www.gov.cn/zhengce/content/2015-11/05/content-10269.html>