

## Analysis on Innovation of Economics and Management Laboratory

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**Abstract**—Economic and management specialized laboratory construction for teaching effectiveness, promoting students' all-round development plays an important role and significance of requiring colleges and universities to strengthen focus on economic management laboratory construction. But on the current situation of economic management laboratory construction in China, there are still many problems, require teachers to pay special attention. This paper first briefly analysis on characteristics of economic management laboratory, and on issues of economic management laboratory specific research and innovation policy.

**Keywords**—economy and management laboratory, features, problems and countermeasures

### I. INTRODUCTION

Economic and management laboratory is able to cultivate students into practical and applied talents, thereby further improve the efficiency and quality of teaching in economy and management majors in colleges and universities and lay a foundation for our country's economic development [1]. At present, though colleges and universities in China have some achievements, there are still a number of problems. This paper specifically analyzes and studies the problems existed in the economic management laboratory and the countermeasures.

### II. SUMMARY OF FEATURES OF THE ECONOMIC AND MANAGEMENT LABORATORY

First of all, economic management laboratory possesses a platform which is multi-level, multi-disciplinary and offers a shared-resources approach in subjects. To ensure students who are in face of the strong practicability of economic management specialty can not only master the basic theories acknowledge, but also have a good grasp of practical experience, interactive teaching as well as scenario simulation method are applied to professional experimental teaching. In addition, there are more types of subjects in economy and management majors, such as discipline of tourism management, quantitative economics, finance, logistics management, International Economics and trade, business administration, and information management, in which discipline of tourism management and quantitative economics are bachelor or master discipline while the rest are all undergraduate discipline. Therefore, economy and management laboratory is featured with multi-disciplinary, multi-level, and multi-major; secondly, economy and management laboratory can show both common grounds

and differences. Experiments of economic management have some points in common, for example, students majored in economy and management are required to learn some basic courses including e-commerce, SAS management information system, SPSS and so on. The experiments these courses carrying out necessarily have certain similarities [2]. In addition, the experiments adopted by different disciplines are of different characteristics, for example, there exist a lot of discrepancy between business negotiations and simulation experiment, hence it is necessary to experiment with different settings. Finally, the diversified characteristics of economic management laboratory. In the experimental teaching of economy and management majors, teachers should carry out different teaching methods according to different teaching content, such as training method, interaction method and scenario simulation, so it can be seen that economics and management experiment has a wide range of features.

### III. THE PROBLEMS IN THE CONSTRUCTION AND MANAGEMENT OF ECONOMIC AND MANAGEMENT LABORATORY

#### *A Limitation on Scale Development*

Economics and management laboratory are multi-level, multi-disciplinary and multi-major, so in order to cultivate practical talents, universities must ensure the construction of the laboratory which meet the requirement and give students plenty of opportunities to exercise self. To achieve this goal, the economic and management laboratory ought to be equipped with large construction scale and large area [3]. But in fact, space is limited so it is impossible to enlarge sites to meet the needs of thousands of students, which is a main problem for universities to promote the construction. So, it is can be seen that to solve site problem, some universities significantly reduced the number of laboratory and equipment, but had great effect on the laboratory as well as the role economics and management laboratory had played.

#### *B The Quality Problem of Lab Manager*

From a professional point of view, some of economic management lab-technicians are part-time teachers, which shows the deficiency of the professional qualities. In fact, managing economics and management laboratory is a complex task, which requires not only technicians to be able to master the necessary equipment maintenance and management technology, but also teachers to equip with a

strong ability to use laboratory software and appropriate hardware [4]. On the present situation in China, many teachers are incapable of possessing the two abilities, causing teachers cannot master technical expertise, and inefficient use of laboratory.

### *C Shortage of Construction on Experimental Teaching Team*

As some universities pay not enough attention to the construction of economic management laboratory, they are not doing enough to develop the construction of the teaching team for Economics and management laboratory, which leads to the insufficiency of teacher's professional quality. Judging from the proportion of college Teacher's types, teachers teaching theoretical knowledge significantly outnumber those teaching experimental knowledge, which suggests that theory teaching is being taken more seriously and then there are more teachers who teach theoretical knowledge being hired. Another reason why there are less experiment teachers is that full-time experiment teachers are not being paid much attention and have poor rates of pay and benefits, so universities cannot attract more full-time experiment teachers, giving rise to inadequate numbers of staff and insufficient quality, which can be still be improved.

## IV. AN INQUIRY INTO INNOVATION OF THE ECONOMIC MANAGEMENT LABORATORY

### *A Strengthen the Emphasis on the Management of Laboratory*

To develop the innovation of laboratory, universities are required to pay more attention to the management of laboratory and make sure that University leaders and teachers can really understand the important role it has played on the promotion of students' quality of learning improving students' practical ability. Only in that way can Universities pay attention to problems of construction and make better teaching plans. And only when the University leadership realize its importance, can teachers be able to advance experiment teaching purposefully and gradually, hence improving the effect of experimental teaching for economic management students and promoting students' all-round development.

### *B Innovate Management Model in Teaching Process*

Teaching process management comprises lesson-check in management, query management, job submitted management, experiment report management and so on. This new mode is capable of improving the learning quality of students, preventing them from being late and leaving early, and at the same time, it allows teachers keep abreast of their learning situation, helping teachers developed teaching method and strategy specifically and benefiting the their learning quality, efficiency and full development[5]. For example, when teachers learn through the teaching process management system that certain student come late for many times, teachers need to have a talk with that student and reveal why and then take effective

measures to solve this problem and improve his or her motivation and efficiency. Therefore, innovating experimental teaching management mode requires the teacher to be able to strengthen the management of students' learning process, focus on the teaching progress and status in experimental course, increase the intensity of the teaching process management and use modern technology to realize the informatization and intelligence of the teaching process management.

### *C Achieve Better Diversification of Teaching*

Diversification of experiment teaching should be realized from two aspects: first of all, analyze from multi-disciplinary. In order to promote diversified experimental teaching in economy and management majors, comprehensive practice need to be firstly considered which demands that students have a second professional or second course on the basis of the first major, in order to improve students' innovative and hands-on ability on multi-disciplinary as well as the first major, promoting their all-round development [6]. Secondly, analyze from the development of a single professional. Different professions have different features and so they require teachers to design different course activities, so as to ensure that students' theoretical learning and practical abilities can be improved and promote students' all-round development. In addition, in order to arouse students' enthusiasm for research and innovation, teachers can also decide on spiritual awards through the student's lab report results, test papers and so on.

### *D Improve the Professional Quality of Laboratory Personnel*

At present, there is some space for development concerning laboratory personnel's professional quality, so universities are required to recognize the importance of professional quality and strengthen the construction of teaching staff. First, universities need to open up new approaches to talent introduction, such as going to enterprises to seek excellent professional talents and recruiting more full-time laboratory teachers through social recruitment; secondly, universities need to engage in full-time training for laboratory teachers and technicians, to improve their professional quality and the effect of application of economic management laboratory; last, talents incentive system universities need to be further developed in order to improve teachers' teaching quality and motivation and experimental teaching efficiency.

## V. SUMMARY

To sum up, the construction of economic and management laboratory has important implications for improving the teaching quality of economic management in China, therefore university administrators and teachers are required to strengthen the emphasis on laboratory construction. But there are still a number of problems in the process of construction and managing economic and management laboratory, such as the professional quality of teachers and technicians as well as laboratory space

problems. To solve these problems and make economic management laboratory come into play, it is necessary for universities to strengthen attention and take effective measures to improve the professional quality of teachers, realizing experimental teaching quality.

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