Research on the Practical Teaching System for Cultivation of Creative Ability
Xu CHENG\textsuperscript{a} and Yu-Shi ZHANG\textsuperscript{b, *}
Dalian Polytechnic University, Dalian, China
\textsuperscript{a}80118596@qq.com, \textsuperscript{b}1195822554@qq.com
*Corresponding author

Keywords: Specialty Reform, Discipline System, Talent Cultivation.

Abstract. In view of the new problems in the process of teaching reform, this paper puts forward the guiding principles of theoretical teaching and practical teaching with the characteristics of curriculum, teaching mode and talent cultivation as the starting point, and constructs the reform of teaching system. As student-centered, project-driven, and optimize teaching management mechanism, can construct creative ability that is cooperation between enterprises and enterprises, which provide available solution for teaching reform.

Introduction
The task of specialty teaching reform is to change the training of talents from the theory to the application, how to accurately position the objectives of cultivation students and optimize the personnel training system have become hot issues. Moreover, the born requirement which put forward to talent needs students who can grasp computer information, possess innovation ability, master the economic management knowledge, and understand the data mining related methods [1].

Analysis of Teaching Subject
To innovate, the domestic research focus on the teaching system, which generally rely on a major or a course. [2] Pan Anxia proposed based on the cooperation between school and enterprise "double cycle" teaching system, [3] Xiang Yi and other innovative multi-dimensional teaching system, [4] Zhang Zhi-gang put forward based on the "ternary interactive" teaching system, [5] which have explained the study of scholars on the reform of the strengthen attention.

Course Features
In the teaching process, the effect that video and practice have been reformed is not significant. [6] More serious is that the characteristic of the curriculum is not prominent, so that the theoretical knowledge of students who prefer to information technology is difficult to match the competition of the knowledge of the others. Moreover, it leads to students’ interest in the loss of choice.

Teaching Model
With the internet involving into education, the teaching model of the university mainly uses "teachers to take the initiative, students passively accept", [7] through multimedia-assisted teaching, information update can not keep up with the pace of the times, teaching mode is single, boring to attract students' attention. And it is difficult to meet the current psychological that needs of students, which leads to the face that students much more concerned to the network resources than classroom resources.
Teaching System Reform Mechanism and Principle

Guiding Principles of Curriculum Reform

The purpose of the curriculum reform is to meet the needs of the curriculum for core work knowledge and skills. According to the actual needs of enterprises, we can design the core curriculum of the course of teaching programs. In the process of constructing the course system, the content gradient between the courses is improved, the logical order of the curriculum is analyzed, and the orderly convergence of the course content is consolidated. It is connection between the teaching system and the actual needs of enterprises.

Principles of Practical Teaching System

"Chinese Education reform and development" pointed out: "Higher education should further change the professional set narrow situation, broaden the scope of business, strengthen the practice of teaching and training." Its purpose is that students grasp the handed ability, cultivate team awareness and organizational skills, though practicing education. The reform of practical teaching system needs to be met: how to consolidate and integrate theoretical knowledge, improve the content of curriculum integration and strengthen students' coordination and communication skills. Through the practice of teaching system reform, strengthen students practical ability, innovative consciousness and improve the students' rational thinking, which combine of external and organic.

Construct Model of Teaching System Reform

According to own characteristics, strengthening the "student-centered" basis, through the "college students learning process and status survey" feedback, making the teacher in the teaching links, which guide the direction of more clearly. It is more important to learn the frontier knowledge, study the relevant fields, strengthen the close combination of theory and practice, improve the self-innovation learning consciousness and enhance the teaching content of the teaching content.

Mentor Guidance for the Characteristics of the Core Curriculum System Settings

Its main content includes two aspects: First, the direction of the instructor as the core, to strengthen the content of a single course features, highlight the focus. Not only can increase the interaction between teachers and students, but also the students can automatically introduce the field of mentor research, making students independent access to the forefront of knowledge. Second, the mentor is the different direction of research, the structure of the curriculum system of convergence and integration, which makes the education structure clearly and grasps the logical structure between the courses. It is improved that their own curriculum system dynamic development.

Method on Constructing the Integration System of Education and Industry

Making enterprises really participate in the training of personnel in colleges and universities, as has been required, set the body to build talent. According to the needs of enterprises to improve the theoretical teaching content, enterprise projects into the classroom, to stimulate students' perceptual awareness. Students on the basis of theoretical knowledge standards, in-depth business practice, through the internship, so that students can combine theoretical knowledge and production practice, and stimulate students' awareness of independent innovation, and can establish career aspirations in advance, fundamentally enhance the training quality.

In the whole personnel training mode, the government policy as the context, the social demand-oriented, enterprise knowledge as the starting point, colleges and universities as a means to continuously optimize and improve the school-enterprise cooperation environment, build enterprises to participate in the systematic training of talent model.

Model of the Compound Training by Driven on Researching and Teaching

"Internet +" into the various professional colleges and universities, not only requires students to master the basic theoretical courses, but also to integrate the "Internet + professional" to bring the
challenges of innovation. The letter of professional courses not only covers the basic knowledge of
the computer field, but also the integration of management knowledge in the field, this advantage
for the "Internet + professional" is unparalleled in other professional. Therefore, for students not
only to master the professional theoretical knowledge, but also to invest in the field of professional
research, so as to stimulate students to take the initiative to innovate thinking, training complex
professionals, which is the key to teaching reform.

"Research and drive and drive", training talent two-track system, not only requires students to
master the content of professional courses, but also have the ability to in-depth study.

Monitor Teaching Quality

The establishment of a sound quality assurance system is the basic prerequisite for the successful
completion of professional reform. In order to meet the objectives and characteristics of
professional transformation and construction, to ensure the implementation of the application of
personnel training mode, the need to combine the social development model, strengthen the
management mechanism in the process of monitoring, to carry out the training process throughout
the training target positioning, Design, quality monitoring activities, the collection of information,
teaching evaluation, teaching information feedback, continuous improvement and regulation of the
seven aspects of teaching quality monitoring activities and the implementation of specific measures.
This mechanism introduces the concept of PDCA (Plan-Do-Check-Action) in full quality
management, and operates periodically to improve the overall teaching quality. On the basis of the
existing system of the school, we should strengthen the students' awareness of innovation and put
forward constructive opinions and suggestions in combination with educational practice.

Conclusion

To meet the needs of the community to adapt to the needs of the teaching system reform
mechanism, not only to meet the needs of students on the network resources, but also to strengthen
the cultivation of students' independent research ability to strengthen the teaching and learning
integration between teachers and students. Perfect teaching quality assurance system is to ensure the
smooth implementation of professional reform of the basic protection. In order to meet the
objectives and characteristics of professional transformation and to ensure the implementation of
the training mode of applied talents, it is necessary to strengthen the management mechanism and
strengthen the students' innovation consciousness on the basis of the existing system, and construct
constructive comments and suggestions.

Acknowledgement

This research was financially supported by the Provincial Undergraduate Education Reform
Project General Project (81600418) Foundation.

References


