The Study of Interdisciplinary Postgraduate Cultivation Mechanism
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Abstract. By analyzing the importance of interdisciplinary knowledge to postgraduate education, innovative mechanism of multidisciplinary mentoring team and the interdisciplinary team teaching method in the process of cultivating postgraduate students is put forward, to optimize the interdisciplinary postgraduate cultivation methods. Through the construction of interdisciplinary curriculum, we can realize wide-caliber training of graduate students to help them master more interdisciplinary knowledge and improve their ability of innovation. The role of interdisciplinary research and exchange in postgraduate education has been discussed, and through interdisciplinary research and interdisciplinary education, it is beneficial to cultivate postgraduates’ creative thinking, to improve their ability and level of interdisciplinary research, to cultivate their good innovative character, as well as to push them innovate and make breakthrough in a wider range of disciplines.

Introduction
With the rapid development of science and technology, scientific research presents a new trend from a highly differentiated one to a highly integrated one. Modern science is highly differentiated and highly integrated, but interdisciplinary sciences integrate with differentiation in one, which is usually a major breakthrough in the technical and innovative high ground of personnel training. In facilitating and promoting the development of traditional disciplines, interdisciplinary science has become the main driving force for the development of modern science and technology and has drawn widespread attention at home and abroad.

Nowadays, more and more countries have set up various interdisciplinary research institutions at all levels, engaging in interdisciplinary research, scientific theory and technological innovation in various fields, which has made a series of new progress and major breakthroughs. For example, the Massachusetts Institute of Technology and Harvard University jointly established the “Harvard-MIT Division of Health Sciences and Technology (HST)”, engaged in interdisciplinary research in the cross zone of natural science, engineering, medicine and pharmacy disciplines.

The Importance of Interdisciplinary Graduate Education
As the highest level of talent cultivation in China, postgraduates should be the main force of the future top-notch innovative talents, and the multi-disciplinary training way is the indispensable way to realize the goal of talent cultivation [1]. Specific effects are listed as follows:

(1) The development of interdisciplinary sciences is the necessary trend of scientific development. On the one hand, as the problem of modern scientific research involves multidisciplinary field, the development of science cannot be separated from interdisciplinary integration. On the other hand, the development of Interdisciplinary sciences is conductive to strengthening discipline construction, promoting the development of traditional disciplines and accelerating the formation of new disciplines.

(2) The development of interdisciplinary sciences can effectively enhance the scientific researching ability of colleges and universities. To carry out interdisciplinary research is easy to form new disciplines, and the continuous generation of new disciplines is the basis for improving university competitiveness.
The development of interdisciplinary sciences is beneficial to train talents with multiple skills. On the one hand, through interdisciplinary research, teachers' knowledge structure can be renewed and enriched, which accelerates the academic leaders may self-improvement. On the other hand, through the interdisciplinary joint training, students can improve their comprehensive qualities and creativity.

Interdisciplinary sciences lay the knowledge foundation for the graduate students to make a breakthrough innovation. Interdisciplinary professional cooperation is one of the basic ways to solve the problem of complexity science and technology, and the interdisciplinary professional knowledge background is an important condition for the graduate students and all researchers engaging in scientific work to obtain creative achievements.

Interdisciplinary sciences provide sustainable innovation for graduate students. Interdisciplinary expertise provides a wide range of topics for graduate students and allows them to think and solve problems by selecting flexible research paths.

Interdisciplinary Curriculum System is Conducive to Cultivating the Innovation Ability of Graduate Students

Implementing the Innovation Mechanism of Multi-subject Tutor Team

Instructors play an important role in the cultivation of graduate students. The method of a professor instructing a number of graduate students is now widely practiced in China, which often leads to graduate students with narrow knowledge and visions, limited ideas, and is also not conductive to cultivate innovative talents. In order to break the routine of cultivating innovative graduate students, teachers must be familiar with and master the development trend of interdisciplinary, continuously improve their interdisciplinary literacy and the ability of scientific research using interdisciplines. The supervisor team, on the one hand, is mainly responsible for the development of training programs, guiding students to carry out research and so on; on the other hand, they mainly guide graduate students to carry out interdisciplinary research projects and guide the creation of the thesis and require graduate students to reflect the characteristics of interdisciplinary.

Optimizing Interdisciplinary Graduate Education

The interdisciplinary graduate education subject system should reflect the interdisciplinary core curriculum. Strengthening the core curriculum is the basic condition for cultivating innovative postgraduates. According to the interdisciplinary research center cross-disciplinary situation, the center forms expert groups to determine the public cross-core courses and professional cross-core courses. At the same time they provide a variety of arts and science, science and technology cross high level elective courses to construct interdisciplinary extensive knowledge of the structure. Through the interdisciplinary curriculum construction, graduate students can master more interdisciplinary knowledge and lay a good foundation for interdisciplinary research.

Interdisciplinary sciences can achieve wide-caliber training, through curriculum reform and inter-school or inter-school mutual recognition of credits. What’s more, in the credit system, the implementation of flexible learning period system makes graduate students have sufficient time to carry out high-level scientific research and successfully complete their studies.

Classroom Teaching Based on Interdisciplinary Team

According to the characteristics of interdisciplinary, the new teaching method is constructed. The core curriculum, no matter professional or basic courses, are in charge by different professors from different disciplines, as far as possible to reflect the latest research in the field to the classroom. Discussion is the main way adopted in teaching course, to encourage interdisciplinary analysis and discussion questions, with further questions to guide students to think independently or discuss [2].

Interdisciplinary Research is Conducive to Cultivating Graduate Students' Innovation Ability

Interdisciplinary research tends to generate new concepts and new theories, which can be used to
solve many new complex problems and improve innovation ability. It is of great significance for graduate students to grow into mature research subjects and cultivate their innovative ability to guide them to dabble and study interdisciplinary fields.

(1) Interdisciplinary field research is conducive to cultivating postgraduates' creative ways of thinking

Interdisciplinary research involves a number of disciplines, to guide graduate students to engage in interdisciplinary research, so as to get rid of the shackles of fixed mode of thinking, resulting in new thinking of thinking activities to achieve innovative thinking and breakthroughs.

(2) Interdisciplinary field research can improve the method of scientific research

Because of the complexity of the problems faced by scientific research innovation, it is difficult to realize the innovation breakthrough simply by using the traditional research methods in this field, and it is necessary to use the improved or even integrated method to solve the problem.

(3) Interdisciplinary field research can cultivate innovative character

A large scientific research project of interdisciplinary research engaging in the project personnel often need to go through a long-term, repeated and even painful process. Not only does it have the confidence and perseverance to overcome the project, but also to overcome impulsive emotions, to maintain an optimistic state of mind possible to achieve the final success. It is the intrinsic factor to stimulate innovation awareness and desire.

(4) Interdisciplinary field research can expand the field of mentor research

When carrying out interdisciplinary field research, supervisor can extend the research area, so as to find new areas of research, which provides a wider world of scientific research innovation. It is because of science and technology innovation more emphasis and focus on the development of the application of science and technology, making the interdisciplinary research become the mainstream of science and technology development [3].

(5) Interdisciplinary sciences set the direction for graduate students to choose topics

Strengthening the accumulation of interdisciplinary knowledge can help break through the inherent mode of thinking, trigger inspiration and inspire insight to get out of the narrow thinking space and find a scientific, reasonable and innovative entry point.

(6) Interdisciplinary sciences for graduate students to form a new space

The accumulation process of interdisciplinary knowledge is a process of continues to expand interdisciplinary exchanges and promotes understanding between different disciplines. In exchange and cooperation, graduate students have the opportunity to refer to other disciplines to solve problems and explore some common issues of concern, share knowledge in the chain of effective information, learn from other disciplines of cutting-edge intelligence information, broaden the knowledge, which can form a new research space.

**Interdisciplinary Academic Exchange is Conducive to Cultivating Graduate Students' Innovation**

Participating in academic exchange activities is an important way for postgraduates to improve their academic level and to produce innovative ideas, which cannot be substituted by simple course of study and scientific research.

(1) Organizing students to participate in multidisciplinary academic exchange activities is an important way for postgraduates to improve their academic level and train innovative ideas. Organization of various high-level interdisciplinary academic seminars, academic reports, and asked students to discuss as much as possible with the experts and scholars to communicate, to broaden their horizons, broaden their thinking, inspire interest and inspiration.

(2) By participating in the interdisciplinary academic exchange activities, graduate students can understand the frontier issues, research directions, research methods and development trends of different research fields, and also can stimulate the imagination of them.

(3) In the academic exchange activities, through the speaker's guidance, with the imagination of similar things to infer, can help students understand things, and gradually form and develop creativity.
(4) Graduate students who communicate with domestic and foreign counterparts or interdisciplinary experts and scholars can not only broaden their horizons, stimulate innovation and strengthen the interest in scientific research, but also enable them to truly grasp the forefront of the subject, the compensation knowledge of the defects, to avoid limitations in the field of interdisciplinary work to make original.

(5) Group model. The group model is through the interdisciplinary subject in the form of graduate students with different disciplines background, through the use of different disciplines of knowledge to tackle interdisciplinary issues, to graduate knowledge and research capabilities to enhance the ability to achieve interdisciplinary graduate education.

(6) Research center model. The interdisciplinary research center is an incubator for interdisciplinary graduate student stability [4]. Through the research center model, graduate students can be exposed to different disciplines, different styles of study, different personality of the instructors, for their academic skills, research style and form, and the choice of life and the identification of things, will have far-reaching Long-term effects.

Summary
With the rapid development of society as well as science and technology, scientific development is facing a lot of complexities and comprehensive problems, discipline development appearing in both highly differentiated and highly integrated situation, the construction and development of interdisciplinary sciences is one of the major challenges facing our colleges and universities. Developing the interdisciplinary sciences is the key to ensure the cultivation of top-notch innovative talents. Interdisciplinary sciences own the characteristics of interdisciplinary, innovation and applicability, which can enhance the research strength of universities and cultivate innovative talents for social and scientific development.

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References

