Research on Problem Analysis and Innovative Methods in Undergraduate Graduation Design Teaching

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Abstract: The graduation design is an important link in the undergraduate talent cultivation program. The quality of graduation design depends on many factors, but the teaching of graduation design is the key factor. This paper briefly expounds the understanding of the undergraduate graduation design teaching and makes a general analysis of the current situation and main problems of the undergraduate design teaching. Finally, the paper gives the ideas and methods of the reform and innovation of undergraduate graduation design teaching.

The graduation project of undergraduate course is the summary and consolidation of undergraduate course study. The graduation project is a special study link. It has very distinct characteristics of independence, comprehensiveness and practicability, which is different from other learning stages Graduation design is a touchstone, which can test students' mastery of professional knowledge and application of professional skills. Graduation design can deepen students' understanding of theoretical knowledge. At the same time, it can also improve students' practical ability and creativity.

Art and design itself is a highly practical course of study. If we want to learn art design well, the Study of theoretical knowledge is only a small part. The important problem is how to sublimate the understanding of professional knowledge through practice and how to express our ideas to the audience through the processing of our own thinking. Achieve the perfect combination of self-awareness and product connotation.

The undergraduate graduation project of our country student generally divides into two kinds. One kind is to pay attention to solve the application problem, the other kind is to pay attention to deepen the theoretical research. At present, most of the graduation projects of science and engineering subjects belong to the first category, and most of the liberal arts subjects belong to the second category. The specialty of art design determines that the undergraduate graduation design of this major has the common attributes of the first and the second categories.

Graduation design is an important fulcrum to guarantee the teaching quality of undergraduate education. The aim of graduation project of undergraduate students in our country mainly has the following aspects. First of all, through the graduation project to enhance students' understanding of basic courses and professional courses. Through the practice to find and make up for their own lack of ability. Secondly, to exercise students' practical ability and practical ability, and strive to enhance the ability of students to apply their learning. Finally, the undergraduate graduation project also helps to cultivate students serious and thoughtful work style. Lay a solid foundation for your future

career.

Generally speaking, the quality of graduation project of undergraduate students in our country is not satisfactory, and it is very weak in some places. The graduation project of an art and design major does not match the educational and teaching requirements with the goals advocated by the liberal education. This phenomenon is not an isolated individual but has a direct relationship with our education and teaching ideas, teaching methods and methods and teaching system. In this, we need to pay close attention to a focal point is the graduation design teaching link.

1. Problems existing in the teaching of Undergraduate Graduation Project

At present, our undergraduate graduation project teaching is generally used in the three-early model, that is, early topic selection, early design, early defense. The topic selection work of the graduation design is generally pushed forward to the first half semester of the senior year. The goal is to get students to have a long-term plan for their graduation project as early as possible. Due to the restriction of conditions, the process of graduation design is generally completed by students scattered. The Teacher's guidance work mainly concentrates in the topic selection guidance, the task book making and the inspection completes the effect and so on.

The author, who has been engaged in art design teaching for many years, has guided many students' graduation designs. As far as the effect of teaching practice is concerned, I think our graduation project teaching is still at a low level, whether in the quality of completion or in the efficiency of student management. The problems can be summarized as follows:

1.1 Lack of standardization in proposition

The proposition of graduation design is a scientific and rigorous process. Once the proposition is established, the direction of students' graduation project is basically determined. But at present, there is no unified standard and effective examination mechanism for the design of undergraduate courses in all specialties and disciplines. Why did you choose it this way? What are the criteria for choosing a topic? What is the purpose of the topic? There is no single standard for these questions. In guiding students to establish graduation project proposition, some teachers lack of guidance ideas and proposition quality is not high problem has been very prominent. In recent years, some school graduates even have a large number of similar graduation design topics, and some graduation design topics and students are even far away from the professional learning.

1.2 The topic lacks focus

How do you choose a proposition? This problem often perplexes many undergraduates. If you choose a difficult topic, you will face serious graduation problems; if you choose a simple topic, you can't achieve through the graduation project to enhance their ability level of the basic purpose. At present, many students on the topic of graduation project are very confused. Some people do not understand the detailed introduction of the graduation project proposition. Students can't focus on the selection of topics can be grasped, with a strong basic blindness. Moreover, from the proposition down to the topic selection stage, we generally set the time node is also more urgent. Many students make a hasty decision before they have time to think it over.

1.3 The simple instructions

For a long time, the graduation project of undergraduate students has adopted the decentralized mode: students complete their own graduation project in different places and environments. On the

one hand, it is due to our insufficient investment in the hardware of graduation design. On the other hand, there is a direct relationship with the degree of attention we pay to the graduation project. Due to the lack of a unified and centralized graduation design environment, it is difficult for instructors to keep up with the progress of students' graduation design and to find out the problem students encounter in graduation design in time. Students' problems can't be solved in time, and teachers' guiding role can't be brought into full play.

1.4 The wrong timing

Senior year is very precious to many students. On the one hand, they have a lot of work to do, which includes the relevant content of the graduation project. On the other hand, if students are facing challenges or are about to enter the workplace, they need to devote considerable time and energy to solving personal problems. The current employment situation is not optimistic. Many students feel heavy pressure even before they enter the society. Some students, who have been actively involved in postgraduate examinations or job-hunting since the winter vacation, are seriously under-invested in their graduation projects.

1.5 Problems in the Management System

Graduation project is not only a task that students need to complete. The original intention of the graduation project is to use the graduation project as a support to mobilize the strength of the school, teachers and students in a short time to strengthen students' understanding and mastery of the subject knowledge. Therefore, the graduation design should be a systematic, scientific and orderly process. Matching this process is the corresponding management system. This management system and management system include managing people, things and affairs. Managing people means managing teachers and students well. Managing affairs is to solve the problems encountered by teachers and students in graduation design. To manage things is to provide material guarantee for graduation design. These three points are indispensable to each other. However, it is a pity that there is still a big gap between our country and foreign countries in the systematized management of graduation design.

2. Exploration of innovative teaching methods of Undergraduate Graduation Design

The importance of undergraduate graduation project teaching need not be repeated here. In order to ensure the quality of undergraduate graduation design, we must carry on the thorough research and the scientific plan to the hardware facilities education teaching many links based on our country university hardware foundation and the education teaching present situation. We need to change the traditional mode of operation and establish a sound teaching model for graduation design that matches the objectives of education and teaching.

2.1 Innovative Ideas

The reason why the innovation idea is put in the first position is that the backwardness of the education and teaching idea has become the core problem that restricts the healthy and orderly development of our higher education. If ideas are not updated and ideas are not advanced, then the best methods and designs can only become mere formality. We need to make great efforts to find breakthroughs in innovation concepts and to achieve results. With the development of the times and the progress of the society, the internal and external environment of education and teaching has changed dramatically. If we continue to stick to the beaten track and keep to the old ways, it will be

difficult for us to keep pace with the development of the Times. Nowadays, the university curriculum reform has already stepped into the advanced deep-water area. For undergraduate graduation project, we should be bold in innovation and reform. By studying and using for reference, we apply all kinds of advanced school-running ideas and educational teaching ideas to our undergraduate graduation project. We need to arm people with advanced ideas. And with advanced ideology to guide the people and with the system of restraint. We should be good at obtaining achievements from systems and efficiency from management.

2.2 Scientific distinction between graduation design and graduation thesis

For the graduation project and graduation thesis, some people still have this and that wrong understanding. Some people simply equate graduation project with graduation thesis, and some people mistakenly regard graduation thesis as a summary of graduation project. Both views are slightly biased. The graduation thesis has the strict writing standard, but the content of the graduation thesis is by no means identical with the graduation project. The graduation project may carry on the deepening regarding a certain question, but the graduation thesis may elaborate the graduation project from the different angle. The two are complementary and can't be dispensed with without each other. As far as the art and design profession is concerned, some teachers, when guiding students in their graduation project, think that as long as students come up with good works, everything will be fine. As for students from the graduation project can be refined sublimation out of what kind of theoretical results indifferent. They only value the work, not the summary. There are also teachers who nitpick over essays as they guide students through their final projects. But they didn't comment much on the students' practical works. Theory and practice are always complementary and indispensable. The premise and basis of graduation thesis teaching is to correctly distinguish and deal with the relationship between graduation thesis and graduation design.

2.3 Gradually standardize the management system of graduation project

If we want to do well in the teaching of graduation project, we must do it according to rules and regulations. This requires us to gradually standardize the graduate design management system. As a school level, you should formulate strict rules and regulations to constrain and guide the majority of teachers and students in the work of graduation design. As a teacher, you should act in strict accordance with the rules and regulations. Teachers should not have the slightest slackness to the students' graduation project. As a student, you have to follow the rules. You can't let yourself go under the guise of doing your senior project.

2.4 Pay attention to information construction in graduation design teaching

Information technology is not only a technology, but also a platform. Paying attention to information construction is one of the future development trends of graduation design teaching. Nowadays, some colleges and universities have realized the informationization of graduation design teaching. In the Information System, students can view the relevant information of graduation design anytime and anywhere. Even including the proposition specific requirements and specific criteria for the selection of topics. Under the information condition, the student's graduation project progress and other indicators are also standardized in the form of quantification. It's easy to see what work needs to be done and what needs to be submitted at what time. Teachers can track the relevant information of students' graduation project, and students can also ask the relevant tutors about the problems they encounter by leaving messages.

3. Conclusion

The graduation project will unify the theory and the practice in the student study process. Under the background of the state strongly advocating the cultivation of creative talents, we should do a good job in the teaching of graduation design, so that the majority of students can experience a real experience before they leave the ivory tower. Through the graduation project promotes the student comprehensive ability accomplishment, and the student specialized knowledge level.

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