

Preliminary Exploration on the Project Teaching Mode of Mechanical Processing Technology Course for Mold Specialty in Higher Vocational Colleges

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Abstract: In the process of education market reform, the mechanical processing technology courses of mold specialty in various vocational schools in China have gradually been widely concerned and valued by the public and educators. Moreover, under the rapid impact of information technology, in order to strengthen the actual teaching effect, the professional teachers of higher vocational schools gradually use the project teaching method, which is mainly to exercise the students' practical application of professional basic knowledge, promote students to feel the charm of professional knowledge learning and professional technology practice in team cooperation, so as to enhance the learning effect of students. Therefore, this paper briefly describes the project teaching method in China's higher vocational mold specialty machining technology course teaching practice strategy, provides professional students with a better teaching environment, and strengthens the comprehensive quality of students.

Keywords: Project Teaching; Higher Vocational School; Mechanical Processing Technology Course of Mold Specialty

The project-based teaching is very popular in the course of mechanical processing technology of mold specialty in higher vocational colleges. This kind of teaching method is completed under the active guidance of professional teachers, which can consolidate students' professional knowledge and strengthen their professional skills. Moreover, in the process of project practice, students can complete part of the content independently, deal with the problems in real life with the help of their previous knowledge, and to a large extent, mobilize students' learning initiative and enthusiasm. Therefore, project-based teaching method is a teaching scheme that can highlight the main role of students in the classroom. According to the specific requirements of project-based teaching method, professional teachers implement professional teaching for students, not only to spread professional basic knowledge to students, but also can optimize the professional classroom teaching atmosphere to a certain extent, and strengthen students' professional quality and professional skills. Based on this, in the actual higher vocational school mold professional machining technology course teaching activities, professional teachers must combine students' actual learning interest and learning status, create project teaching activities that meet the students' learning and development, so as to play a real role in project teaching method, and strengthen application effect of the project teaching method in the mechanical processing technology course of mold specialty in higher vocational colleges.

1. Innovating teaching concept and optimizing the course of mechanical processing technology for mold specialty

The flexible application of project teaching method in the mechanical processing technology course of mold specialty in

higher vocational colleges can not only enhance the practical effect of students' professional knowledge and skills, but also highlight the effect of new education reform and strengthen the professional teaching effect of higher vocational schools. Therefore, in the actual mold specialty machining technology course classroom, professional teachers must learn to use the project teaching method flexibly to provide students with rich and colorful project content. First of all, before the creation of the project, professional teachers need to go deep into the mold machinery market, actively explore the application status of mold machining technology, and do a good job in market research, in order to learn more about innovative processing technology, provide students with a project scene close to real life, and gradually optimize the practical effect of professional students. Based on this, students can learn a lot about the market content related to the mechanical processing technology of mold specialty through the project content provided by professional teachers, and gradually adjust their career planning according to their own learning level and mastery of professional skills, so as to strengthen their future career development. Secondly, in such project teaching activities, it can also exercise students' practical professional knowledge and skills, strengthen the professional teaching effect, and gradually enhance the application effect of project teaching method in the mechanical processing technology course teaching of mold specialty in higher vocational colleges.

2. Creating a professional training field for mold machining technology

Under the guidance of high-quality project teaching activities, professional teachers need to lead students to practice in professional training places in order to train students' application of mechanical processing technology in mold specialty. Therefore, professional teachers need to cooperate with schools to provide students with a relatively professional training place, or cooperate with enterprises to provide students with project training opportunities and let them learn, so that they can go deep into the enterprise mold machining project to feel the practical application of professional knowledge and professional skills. In this process, professional teachers need to divide students into groups, and give each student a definite division of labor, so as to complete the project under the guidance of professional teachers or enterprise staff. Based on this, professional teachers should pay attention to the project teaching activities need to meet the students' professional learning status and acceptance ability, and some difficult maintenance skills need to be carried out under the guidance of professionals. For students' project training, we should do a comprehensive safety supervision work, once the students' mistakes occur, the staff needs to take emergency measures in time to deal with, and gradually optimize the professional students' project operation process, to provide an important prerequisite for the future work and development of students.

3. The specific process of project teaching should be established and reasonable division of labor should be carried out for students

For the project teaching method, it has a certain practicality and comprehensiveness, and in a mold machining training project, covers a variety of content, which requires students to practice under the guidance of professional teachers, and give full play to their learning potential, flexible use of the professional knowledge and skills learned in textbooks. Usually, professional teachers test students' learning achievements is completed through project practice, which not only can clearly understand the professional learning ability of each student, but also can make students understand their shortcomings in the learning process through project practice, and improve and optimize under the guidance of professional teachers, so as to pave the way for students' later learning and development. In the process of project teaching, higher vocational professional teachers should first establish the project teaching process according to the students' learning personality and learning status, arrange clear tasks for students in each project process, and implement reasonable and scientific division of labor for students, so as to let students understand the needs of different positions in the field of mold machining, and strengthen the training effect of engineering course of mold mechanical processing. Next, the professional teachers need to supervise and guide the students in each post operation in the project, assist the students to consolidate the professional knowledge learned in the classroom, and understand the practical situation of the real enterprise posts, so as to enhance the students' ability to deal with practical problems.

4. Setting up a high quality, professional mold professional teacher team

In the actual mold professional machining project teaching activities, vocational colleges first need to consider the

choice of professional teachers. When hiring professional teachers, it is necessary to appropriately improve the employment requirements and the comprehensive quality and project operation skills of professional teachers; for professional teachers in service, vocational colleges need to regularly organize their participation in professional training activities, strengthen the comprehensive teaching ability of professional teachers, and strive to create a relatively high-quality learning environment for students, so as to strengthen the guidance effect of professional teachers. For professional teachers, they not only need to have professional teaching ability, but also need to be familiar with the current mold specialty machining market, in order to provide students with different learning experience.

5. Innovating the original classroom evaluation mode

Classroom evaluation is an essential content in the teaching process of mechanical processing technology course for mold specialty. High quality classroom comments can not only make students understand their own shortcomings in the project, but also increase their self-confidence in learning, strengthen the practical effect of students in project activities, and promote the overall development process of students. Therefore, professional teachers must change the previous classroom evaluation mode, according to the current development of mold market and the update of machining technology, provide students with a relatively real, close to the mold Market classroom review activities, so that students in the actual project operation feel their lack of skills and the status of incomplete mastery of basic knowledge, to implement optimization and improvement. Moreover, professional teachers can also let students comment on each other, correct and learn from each other's shortcomings, and gradually strengthen students' professional quality. For the better performance of the project learning also need to be rewarded and praised, for the relatively unskilled performance of students, need to take targeted guidance, in order to increase the learning confidence of vocational school students, and promote the application effect of project teaching method in the course of mechanical processing technology of mold specialty in higher vocational colleges.

6. Conclusion

In the teaching process of China's vocational schools, if teachers want to improve students' professional quality and professional skills, and promote students to apply professional knowledge in real life, they need to provide students with relatively high-quality project teaching activities based on students' learning interest and learning status, and based on mold professional machinery, the processing technology course itself leads the students to go deep into the mold machining industry, and actively feel the specific use of professional knowledge, so that students can strengthen their own professional skills in the practice scene, and optimize the flexible application effect of project teaching method in the mechanical processing technology course of mold specialty in higher vocational colleges, which provides premise guarantee for students' comprehensive development and healthy learning in the future, and promotes the healthy development process of mechanical processing technology teaching in higher vocational colleges.

References

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