

Implementation of Modern Light Wood Structure Construction Training Course in Higher Vocational Colleges

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Fund Project: Henan Communications Vocational and Technical College Young Backbone Teacher Training Program: Combined with the advantages of wood structure, the design of decoration professional training site is explored.

Abstract : Higher vocational colleges focus on cultivating skilled talents, and attach importance to the cultivation of students' professional practical ability in the whole teaching process. The modern light wood structure architecture major in higher vocational colleges has certain professionalism. When carrying out training courses, it is necessary to actively establish a teaching resource database, and at the same time update teachers' teaching concepts to realize the smooth development of training courses. This paper analyzes the problems existing in the construction of modern light wood structure construction training courses, and discusses how to effectively carry out modern light wood structure construction training courses.

Keywords : Modern Light Wood Structure Buildings; Practical Training Courses; Higher Vocational Colleges

In vocational education, higher vocational colleges not only need to explain professional knowledge to students, but also need to cultivate their vocational skills and train students to become skilled application talents. In the process of carrying out the training course, it is necessary to pay attention to the comprehensive training of students, improve students' understanding of professional knowledge through practice, and at the same time ensure that students have the corresponding thinking ability, and can apply the knowledge learned in the training process. In the construction of practical training courses in higher vocational colleges, it is necessary to combine professional knowledge with the current situation of industry development.

1. Problems existing in the construction of modern light wood structure construction training courses

1.1 Lack of students' thinking

The survey found that most of the modern light wood structure construction training courses are carried out in the form of three-dimensional modeling, so that students can carry out architectural modeling according to the knowledge they have learned. In the process of modeling, the cultivation of students' thinking is neglected. In the practical training course, the students build the model according to the teacher's requirements, and the whole process lacks independent thinking, which leads to the lack of obvious effect of students' thinking training.

1.2 The training content is single and the industry needs are diversified

The demand for talents in the modern light wood structure construction industry is diversified, and the higher vocational colleges ignore the personalized training of students in the teaching process. Modern light wood structure buildings require that workers can build diverse wood structures, and at the same time use wood structures for building construction. However, the school's training content for students is single, and to a certain extent, it ignores the training of students' skills.

1.3 Unbalanced investment in education

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The imbalance of educational investment has inhibited the all-round development of students. In the process of promoting modern light wood structure construction training courses, there is a huge difference between the allocation of teachers and the total number of students. In addition, in the course of carrying out practical training courses in higher vocational colleges, teaching resources and teaching equipment cannot meet the needs of practical training courses, which brings huge challenges to modern light wood structure construction training courses.

2. Advantages of the construction of modern light wood structure construction training courses

2.1 Improve school value

During the construction of the modern light wood structure construction training course, the training of skilled applied talents has been realized. In the development of practical training courses, the school provides students with professional tools by establishing a complete training system, allowing students to apply the knowledge they have learned to practice, improving students' comprehensive understanding of knowledge, and promoting students' development. Positioning, improve the employment rate of school professional education.

2.2 Increase students' thinking about the relationship between theory and practice

Any knowledge learning has the dual teaching attributes of theory and practice. The construction of modern light wood structure construction training courses in higher vocational colleges can balance the relationship between theoretical knowledge and practice. In the construction of modern light wood structure construction training courses, teachers can clarify the training objectives of students, and let students understand the real purpose and direction of knowledge exploration during the training process, so that students' practical ability can be improved.

2.3 Contribute to talent cultivation

At present, under the background of economic development, the demand for talents related to modern light wood structure construction is increasing. In the face of market demand, the construction of modern light wood structure construction training courses in higher vocational colleges can broaden the training goals for students, so that students can fully learn professional knowledge. To understand the current development of modern light wood structure buildings, and then improve the professional quality of students, to meet the needs of the society for construction-related talents.

3. Ways to implement modern light wood structure construction training courses in higher vocational colleges

3.1 Update the concept of practical education

Under the influence of the concept of exam-oriented education, many teachers of modern light wood structure buildings do not realize the necessity of carrying out practical training activities. Under such an educational concept, the development of practical training courses will be limited, and in fact, the quality of training courses can hardly be guaranteed. Therefore, in order to realize the better implementation of practical training courses, teachers should get rid of traditional teaching ideas, and further introduce practical training teaching mode into the teaching of professional knowledge, so as to promote students' understanding of modern light wood structure building knowledge, and also to practical operation. In the development of modern light wood structure construction training courses, teachers should give students sufficient independent learning space, and allow students to participate in various links such as asking questions, making bold assumptions, designing training programs and completing training operations, so as to encourage students to learn in the process of inquiry, deepen the understanding of theoretical knowledge and improve students' professional learning efficiency. Therefore, in the process of carrying out the training course, it is first necessary to get rid of the traditional teaching concept, pay attention to the training of students' practical ability, and ensure that students can find their own learning problems in the training process, so as to have a more comprehensive understanding of modern light wood Structural building knowledge.

3.2 It is recommended to guide the teaching mode of practical training

In order to guide students to better participate in the training operation of modern light wood structure buildings, teachers must create a relatively good classroom atmosphere for students, so that students can actively carry out training operations in a harmonious and harmonious learning environment, so as to effectively promote the improvement of students' interest in learning. For students in higher vocational colleges, respect and understanding are the prerequisites for learning. Only by giving students full understanding and respect and establishing a democratic and harmonious teaching range can teachers truly promote the effective

development of practical training activities and promote students can better understand the knowledge of modern light wood structure construction in the practical training. Therefore, teachers of modern light wood structure buildings should focus on guiding teaching, so that students can independently complete knowledge exploration and practical training operations, and provide students with corresponding guarantees when necessary to ensure the effectiveness of practical training teaching. In addition, teachers can also introduce the mode of cooperative learning, so that students can conduct practical training in a collaborative way, so as to cultivate students' cooperative learning awareness and spirit of mutual assistance, and promote students' modern light wood structure thinking and comprehensive learning ability. For example, in the practical training course, students are firstly required to build a three-dimensional model, so that students can design villas, schools and hospitals according to the architectural knowledge they have learned. Teachers provide students with mini-components, so that students can build entities according to the model, and let students build a solid model by hands, so as to understand the key points of modern light wood structure building knowledge during the construction process. Therefore, in the process of carrying out the training course, teachers need timely guidance to help students eliminate their concerns and solve problems in the training process.

3.3 Expand the teaching resources of practical training course resources and strengthen the classification of practical training course resources

In vocational education, the classroom is the base for students to learn, allowing students to make mistakes, encourage students to introspect and correct themselves, and allow students to discover, analyze and solve problems by themselves. The premise of classroom education is that there are sufficient teaching resources. Before the training course is launched, the school can introduce relevant resources in combination with the professional content of modern light wood structure. When utilizing the resources of local training courses, the classroom should be based on the cognitive foundation of students, and require students to start from this basic point and provide more difficult teaching resources, so that when students have problems that cannot be solved during the training process. Students can solve it by querying the information. Before the start of the training course, the teacher classifies the training course resources, summarizes the difficulty level of the training course resources, and effectively integrates them into the training education to give full play to the value of the training course resources. For example, in the training courses of modern light wood structure buildings, professional knowledge is introduced, and data is entered for structural construction, waterproof construction, construction management, material classification information, etc. Therefore, in the development of practical training courses, the establishment of relevant course resources can effectively help students to complete the training tasks, and also ensure that students can fully understand the professional knowledge of modern light wood structure construction.

4. Conclusion

Vocational colleges focus on cultivating students' practical ability and improving their professional skills. Therefore, the development of modern light wood structure construction training courses is a more effective way, which also requires continuous in-depth research and exploration, so as to better cultivate students' comprehensive ability. In the process of carrying out the training course, teachers need to actively guide, and at the same time, the school also needs to establish a corresponding resource library to provide help for students' training.

References

1. Zhang G, Li R, Chang A. The current situation of wood structure courses in colleges and universities and the practical exploration of teaching methods. *University Education* 2021; (7): 13-15.
2. Zhu X, Xue Y, Shen J, et al. Practice and discussion of school-enterprise cooperation in the teaching of wood structure courses. *Vocational Technology* 2020; (12): 6-10.
3. Cui L. A humble opinion on the innovative model of cultivating applied architecture talents in vocational experiential higher vocational colleges. *Contemporary Educational Practice and Teaching Research (Electronic Journal)* 2018; (12): 126-127.