

Research on the Development of Loose-Leaf Teaching Materials for the Course of Traditional Chinese Medicine Processing Technology for Traditional Chinese Medicine Major in Higher Vocational Colleges

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Abstract: According to the talent training mode and scheme of traditional Chinese medicine specialty, this paper makes a detailed study on the setting process of loose-leaf teaching materials for the course of traditional Chinese medicine processing technology in higher vocational traditional Chinese medicine specialty. The main contents include the setting standards and ideas of courses and teaching contents, and then puts forward many innovative points, so as to provide experience and reference for the R & D and innovation of traditional Chinese medicine processing technology course. Furthermore, it discusses and mentions the new advantages of the loose leaf teaching material of traditional Chinese medicine processing technology for traditional Chinese medicine specialty in higher vocational colleges, such as more emphasis on practicality in the application process, more emphasis on the cultivation of students' practical ability in the content setting, more perfect infrastructure construction and more specific assessment methods, which provides a solid talent foundation for improving the teaching effect and quality of traditional Chinese medicine specialty in higher vocational colleges.

Keywords: Processing technology of traditional Chinese medicine; Loose leaf teaching materials; Skilled talents; Practical ability.

1. The development process of LOOSE-LEAF teaching materials for the course of traditional Chinese medicine processing technology in Higher Vocational traditional Chinese Medicine Specialty

Traditional Chinese medicine processing technology is mainly the process of processing traditional Chinese medicine into traditional Chinese medicine tablets or pills for storage. After processing, medicinal materials can not only effectively improve their efficacy and reduce the side effects of drugs on the body, but also facilitate storage. It is one of the courses that must be set up for the specialty of traditional Chinese medicine in higher vocational colleges. Then, how to carry out the traditional Chinese medicine processing technology of traditional Chinese medicine major in higher vocational colleges, and what is the development process? In order to turn the students of traditional Chinese medicine processing technology in higher vocational traditional Chinese medicine specialty into high-quality and skilled talents, relevant higher vocational colleges and teacher teams continue to explore, carefully analyze the problems and advantages in the training mode and training methods of previous students in higher vocational traditional Chinese medicine specialty, and then play a role in traditional Chinese medicine processing technology based on modern loose leaf teaching materials, in order to greatly improve the teaching effect and quality. At the same time, the local higher vocational colleges organized seminars, combined with the teaching experience of teachers for many years, to study how to consolidate learners' professional theoretical knowledge and practical ability, so as

to continuously innovate the talent training mode and lay a deep talent foundation for the future development of enterprises. In addition, in order to ensure that the process and methods of talent training conform to the characteristics of traditional Chinese medicine specialty and help students succeed in their future career, higher vocational colleges continue to seek cooperation with enterprises and social organizations, and discuss from the aspects of course nature determination, course content, textbook content and teaching methods, so as to formulate a curriculum plan that meets the learning needs of students and the stable and orderly development of talent training of traditional Chinese medicine specialty. The ultimate goal is to improve the quality of talent training and lay a solid talent foundation for economic and social development.

In addition, in the process of setting up the course of traditional Chinese medicine processing technology for the specialty of traditional Chinese medicine in higher vocational colleges, it is necessary to take the characteristics of traditional Chinese medicine as the benchmark, and set the course content according to the sequence, processing method and processing time of traditional Chinese medicine processing technology, so that students can quickly be competent for future jobs. At the same time, teachers should constantly instill knowledge related to traditional Chinese medicine processing technology into students, present specific steps of traditional Chinese medicine processing to students through ppt or video playback, and require students to make classroom records or organize students to have classroom discussions. Then teachers should explain the video content in detail to help students truly feel the importance of practice, and then optimize learning processes and methods.

2. New advantages of loose-leaf textbook development of traditional Chinese medicine processing technology course for traditional Chinese medicine major in Higher Vocational Colleges

2.1. Application process

The loose-leaf textbook of traditional Chinese medicine processing technology in higher vocational traditional Chinese medicine specialty has great advantages over the development of traditional textbooks in the application process. Mainly reflected in, on the one hand, the loose-leaf textbook emphasizes the matching with students' practical ability, and its actual teaching is mainly based on students, aiming to strengthen students' understanding of the textbook. In this process, students acquire rich theoretical knowledge base and practical ability through loose leaf textbooks, abandon the single line logical thinking of previous textbooks, make the whole education and teaching activities more vivid and colorful, and provide a large number of skilled talents for regional economic development. Relatively speaking, the curriculum of traditional Chinese medicine processing technology of traditional Chinese medicine specialty in higher vocational colleges pays more attention to the teaching of students' theoretical knowledge, but there are great differences in the practical characteristics of this traditional Chinese medicine specialty, which cannot effectively cultivate a large number of practical talents for the traditional Chinese medicine specialty, but let alone achieve good teaching results. On the other hand, the loose-leaf teaching materials of traditional Chinese medicine processing technology in higher vocational traditional Chinese medicine specialty are relatively complete in terms of teaching resources. The reason is that the setting of loose-leaf teaching materials mainly relies on information technology and perfect supporting facilities. It can present the relevant knowledge of traditional Chinese medicine to students by using 3D animation, video teaching and 3D drawing in the specific teaching process. This will greatly improve students' learning enthusiasm and interest, promote students' in-depth interaction with teaching materials, and improve teaching efficiency and quality, so as to lay a solid foundation for the development of traditional Chinese medicine in the future. However, in the traditional classroom of traditional Chinese medicine, teachers occupy a dominant position, and students only play the role of listening, which seriously hinders the cultivation of students' comprehensive quality and the improvement of the overall teaching quality

2.2. Content settings

Compared with traditional teaching materials, loose leaf teaching materials pay more attention to the cultivation of students' practical ability and comprehensive ability. On the one hand, theoretical knowledge should not be ignored in the setting of loose-leaf textbooks. The reason is that a solid theoretical foundation can pave the way for students' follow-up learning. At the same time, it is also necessary to externalize theoretical knowledge in the process of practice to promote the improvement of practical ability. For the design of traditional Chinese medicine processing technology for traditional Chinese medicine major in higher vocational colleges, the proportion of theoretical knowledge in loose leaf

textbooks mainly depends on the application frequency in practical operation, and the length of high-frequency content is increased to help students master relevant theoretical basis and improve their practical ability. For example, the loose-leaf textbook setting of traditional Chinese medicine specialty should deeply interpret how to fry, simmer and fire traditional Chinese medicine, so that students can obtain a comprehensive and solid theoretical basis, and then make a breakthrough in the follow-up practical operation. On the other hand, the setting of loose-leaf textbooks takes the practical content as the main direction. Cultivating applied talents for enterprises and society is the main trend of talent cultivation in higher vocational colleges. Therefore, the course content of traditional Chinese medicine processing technology of traditional Chinese medicine specialty in higher vocational colleges takes the practical content as the leading content. The processing technology of traditional Chinese medicine in traditional Chinese medicine specialty includes a variety of methods. How to make students get better development in their future career, the setting of practice oriented loose-leaf teaching materials is essential. Moreover, the loose-leaf textbook also emphasizes that students must master the types and effects of traditional Chinese medicine and apply it in specific practice, so as to better improve their comprehensive literacy and learning ability. In general, there are great differences between loose leaf textbooks and traditional textbooks. The former mainly emphasizes the flexibility and dynamics of textbooks, and students can understand their own curriculum progress at any time and formulate follow-up corresponding learning plans. The latter mainly imparts knowledge to students through teachers, which is not conducive to improving students' enthusiasm and reducing teaching quality.

2.3. Infrastructure construction

Compared with traditional teaching materials, loose leaf teaching materials need to be supported by diversified network teaching resources, which needs to be equipped with certain infrastructure, and the infrastructure construction needs to meet the learning needs of students and the teaching needs of teachers. Therefore, in the actual teaching process, the relevant teachers and guides of traditional Chinese medicine major in higher vocational colleges cooperate with each other to lay a good infrastructure foundation for the development of the course of traditional Chinese medicine processing technology, strengthen the cooperation between schools and enterprises, and equip special traditional Chinese medicine boiling plants, so as to stimulate students' learning interest and enthusiasm, so as to obtain relatively good teaching results. In addition, the development and research of loose-leaf textbooks not only needs rich offline teaching resources, but also needs the strong support of online network resources. Therefore, in the course of traditional Chinese medicine processing technology, higher vocational colleges need to combine offline resources with online resources, and constantly strengthen exchanges and cooperation with other online resources, so as to provide a good environment for students' online learning. Perfect infrastructure construction is an important starting point for higher vocational colleges to carry out the specialty of traditional Chinese medicine. Therefore, it is of great significance to continuously strengthen the integration of industry and education and school enterprise cooperation. It can not only provide students with different learning places, but also solve the problem of

uneven academic performance to a certain extent, so as to greatly improve the final learning efficiency and learning effect.

2.4. Reform of assessment methods

Compared with traditional teaching materials, loose leaf teaching materials not only have great changes in teaching contents, teaching methods and teaching environment, but also have made great achievements in teacher-student cooperation and school enterprise cooperation. Therefore, the traditional assessment method of teachers, students and teaching materials is no longer suitable for loose leaf teaching materials. If we want to really improve the teaching quality and teaching effect of loose-leaf teaching materials, the corresponding assessment methods also need to be changed. It is embodied in the following three aspects. Firstly, compared with the traditional assessment method that only pays attention to theoretical knowledge examination, loose leaf teaching materials change the paper-based theoretical knowledge assessment into a combination of theoretical and practical knowledge in order to ensure good learning effect and help teachers better understand students' learning situation. At the same time, the loose-leaf textbook takes the traditional essence and discards its dross. It only assesses the key theoretical knowledge, and its main purpose is to help students acquire strong practical ability, improve their own knowledge system, and better adapt to future jobs. Secondly, the loose-leaf teaching materials include the practical project assessment into the assessment items and list it as the top priority of the assessment. However, in the traditional teaching process, teachers have not included the practical training assessment into the standard system. In this context, the training and assessment mode of loose leaf teaching materials is mainly to investigate the students' ability to master the processing and boiling technology of daily traditional Chinese medicine, and then have a certain understanding of their knowledge, so as to help students find out and make up for deficiencies, so that students can continuously improve their practical ability on the basis of consolidating their own theoretical knowledge, so as to better serve the final practical operation. In addition, this assessment method also adds the assessment of students' participation in various practical activities and off campus activities, so as to continuously stimulate their enthusiasm to participate in practical activities, and then provide practical talents for regional economic development. Finally, the teaching assessment and evaluation of traditional teaching materials are mainly schools, but the assessment of loose-leaf teaching materials is changed from schools to teachers, in order to coordinate the relationship between teachers and students and better promote the teaching effect. The main reason for this change is that teachers have a deeper understanding of students, and teachers can follow up the current situation of students in real time to give students corresponding guidance according to the actual situation. Therefore, the assessment mode of loose-leaf textbooks is dominated by teachers. At the same time, the assessment and evaluation criteria of teachers also include the scoring of students' daily performance and comprehensive quality, so as to promote the feelings between teachers and students, help students understand the current situation, and then continuously strengthen and improve themselves.

3. Research and implementation of loose-leaf teaching material for traditional Chinese medicine processing technology in Higher Vocational traditional Chinese Medicine Specialty

In order to make some innovation and change in the important processing specialty in higher vocational colleges, teachers should strengthen mutual exchange and cooperation, discuss the physical and chemical changes of traditional Chinese medicine, and make corresponding innovation in processing technology. In addition, teachers should continue to learn from the old traditional Chinese medicine, and teach the important processing technology to students, so that they can better understand the necessity and importance of developing the specialty of traditional Chinese medicine in higher vocational colleges, so as to continuously learn theoretical knowledge and lay the foundation for the development of their future career.

The research and implementation of loose-leaf teaching materials for the course of traditional Chinese medicine processing technology in higher vocational traditional Chinese medicine specialty needs the support of high-quality teacher team, perfect application equipment and rich teaching resources. Therefore, in the specific course implementation process, the teaching content should be divided into three parts, namely, traditional Chinese medicine processing methods, analysis and verification process and modern processing training, in order to provide students with good practice opportunities. The purpose of traditional Chinese medicine processing method is to enable students to understand the basic processing technology of traditional Chinese medicine, identify the basic tablet shape and components, and lay a theoretical foundation for students' subsequent realization. The purpose of the analysis and verification process is to help students complete the theoretical and practical knowledge related to traditional Chinese medicine, and enable students to obtain data analysis ability and practical operation ability under the guidance of teachers, so as to deepen students' understanding and application of traditional Chinese medicine processing technology. Modern traditional Chinese medicine processing training is mainly the combination of traditional technology and modern teaching, which aims to enable students to master the specific processing steps and processes of traditional Chinese medicine, so as to improve their practical ability and obtain results in their future posts.

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References

- [1] Kuang H.X. (2015). Thoughts on the reform of talent training of traditional Chinese medicine specialty, *Journal of Traditional Chinese Medicine*, 56 (16), 1355-1358.

- [2] Zhu J.F. (2013). Intersection and integration: Exploration and practice of the training mode of export-oriented talents in Colleges and universities of traditional Chinese medicine, Shi Zhen, Guo Yi Guo Yao, 24 (08), 2019-2021.
- [3] Shi J.L., Zhou Y.Q., etc. (2017). Construction and practice of “2 + 1 + 1” talent training mode for traditional Chinese medicine specialty, Shi Zhen, Guo Yi Guo Yao, ,28 (06), 1463-1465.
- [4] You Q.Y., Wang P., Wu H.Z. (2019). Reform and construction of innovative talent training system for traditional Chinese medicine specialty in Colleges and universities [J] Shi Zhen, Guo Yi Guo Yao, 30 (10), 2501-2502.
- [5] Huang He., Yang M.G., Kuang Q.X.(2021). Connotation and construction path of “new loose leaf textbook” in Vocational Education , Education and Occupation, (02), 99-103.