Exploration on the Application of Mixed Teaching Mode in Nursing Majors in Universities under the Background of Smart Education

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Abstract: This study aims to explore the application of blended teaching mode in nursing majors in universities in the context of smart education. Firstly, the impact of smart education on the teaching of nursing majors in universities was introduced, providing a background and motivation for research. Then, the concepts of smart education and blended learning models were explained. Next, the design and implementation of a blended teaching model for nursing majors in universities were elaborated, including setting teaching objectives, integrating teaching content, developing and utilizing teaching resources, and organizing and managing teaching activities. Subsequently, the application effect of blended teaching mode in the context of smart education was evaluated, including improvement of students' academic performance and abilities, improvement of learning attitude and motivation, and improvement of teachers' teaching effectiveness and satisfaction. Finally, the challenges faced by the blended teaching model in the context of smart education were explored, and corresponding countermeasures were proposed. The conclusion of this study summarizes the application exploration of blended teaching mode in nursing majors in universities, emphasizes its advantages and development prospects, and proposes future research directions and suggestions.

Keywords: Nursing major in universities; Mixed teaching mode; Smart education

Under the background of intelligent education, the teaching of college nursing major is gradually shifting to a more innovative and flexible teaching mode. Among them, the mixed teaching mode, as a teaching mode combining traditional teaching and modern technical means, is receiving more and more attention and application in colleges and universities. This study aims to explore the application of the mixed teaching model of the nursing major in universities in the context of intelligent education, in order to provide a deep understanding and practical experience in this field.

1. Research background and significance

With the rapid development of information technology and the popular application of intelligent devices, intelligent education has become an important development direction in the field of education. As an important field of cultivating medical and nursing talents, the nursing major in colleges and universities also needs to adapt to the development trend of intelligent education and explore an education mode more suitable for the teaching of nursing major. Under this background, mixed teaching mode has become an important choice for nursing specialty teaching in universities. The development of intelligent education has had a positive impact on the teaching of nursing major in colleges and universities. First of all, intelligent education provides more teaching resources and learning tools for the teaching of nursing major in colleges and universities. Intelligent education focuses on personalized teaching. Intelligent education also provides a real-time interactive teaching platform to promote the close interaction and cooperation between teachers and students and enhance the teaching effect.

2. The concept and relationship between intelligent education and mixed teaching mode

2.1 The concept of intelligent education and mixed teaching mode

Smart education is an education model supported by information technology, aiming to provide a personalized and flexible learning environment to improve students 'learning effect and teachers' teaching quality. Wisdom education also focuses on cultivating students' innovative thinking, cooperative spirit and problem-solving ability. Mixed teaching mode is a teaching mode that combines traditional face-to-face teaching with modern technical means. Through the mixed teaching mode, students can choose the right learning style according to their own learning style and rhythm, so as to improve the learning effect and learning motivation.

2.2 The relationship and complementarities between intelligent education and mixed teaching mode

Intelligent education and mixed teaching mode have a close relationship, and have a strong complementarity with each other. First of all, intelligent education provides technical support and guidance of educational concepts for the application of mixed teaching mode. Secondly, the mixed teaching mode provides a practical platform for the implementation of intelligent education. Smart education needs to rely on advanced technical facilities and educational platforms, and the mixed teaching mode is implemented through the use of online learning platforms, electronic resources and teaching management system and other technical means.

3. Design and implementation of the mixed teaching mode of college nursing major

3.1 Teaching goal setting

When designing the mixed teaching mode of nursing major in colleges and universities, it is necessary to set clear teaching objectives first. These objectives should include requirements regarding knowledge, skills, and attitudes. For example, training students to have basic nursing knowledge, professional skills and professional ethics to improve students' clinical decision-making and problem solving skills. Set specific goals according to the actual needs and student development characteristics, and ensure that these goals can be achieved in a mixed teaching model.

3.2 Selection and integration of teaching content

In the mixed teaching mode, the selection and integration of teaching content is the key step. Teachers need to choose the appropriate teaching content according to the teaching objectives of the course and the students' learning needs. These contents can include classroom teaching, online learning, practical operation, etc. At the same time, teachers also need to integrate different teaching resources, such as teaching materials, multimedia teaching materials, online learning platforms and simulated experimental equipment, to provide a variety of learning experiences and learning opportunities.

3.3 Development and utilization of teaching resources

The implementation of the mixed teaching mode requires the full development and utilization of various teaching resources. Teachers can use the existing teaching materials and teaching materials to develop online learning resources, such as online courseware, teaching videos, virtual experiments, etc. In addition, teachers can also use platforms such as the Internet and social media to introduce external resources and cases to broaden students' learning horizons. By making full use of teaching resources, students' learning effect and learning interest can be improved.

4. Evaluation of the application effect of the mixed teaching mode of college nursing major in the background of intelligent education

4.1 Improvement of students' academic performance and ability

The application of mixed teaching mode in college nursing major can significantly improve students' academic performance and ability. Through personalized learning paths and resource recommendation, students can learn according to their own learning needs and pace to improve the learning effect. At the same time, the mixed teaching model provides a variety of learning methods, such as online learning, practical operation, etc., which can help students to better master professional knowledge and skills, and improve their clinical decision-making ability and problem-solving ability.

4.2 Improvement of students' learning attitude and motivation

In the mixed teaching model, students are more actively involved in learning, and their learning attitude and motivation are significantly improved. Personalized learning paths and resource recommendation meet students' learning needs, making learning more targeted and interesting. In addition, interactive and cooperative learning in the mixed teaching mode promote the communication and cooperation between students, enhance the sociability of learning, and improve students' motivation and sense of achievement.

4.3 Improvement of teachers' teaching effect and satisfaction

The application of the mixed teaching mode also has a positive impact on the teaching effect and satisfaction of the teachers.

Through the mixed teaching mode, teachers can better organize and manage the teaching activities. Teachers can monitor and evaluate the learning situation of students in real time through the online learning platform and the teaching management system, adjust the teaching strategies in time, and improve the teaching effect.

5. Challenges and countermeasures of the mixed teaching mode of college nursing major in the background of intelligent education

5.1 Support and development of technical facilities and platforms

The support of technical facilities and platforms is an important challenge in the application of the mixed teaching model of nursing majors in universities. First, schools need to provide advanced teaching equipment and network facilities to support the conduct of online learning and practical operations. Secondly, it is necessary to establish a stable and reliable learning platform and teaching management system, so that students and teachers can easily carry out learning and teaching activities. For these challenges, the school can take the following countermeasures: increase the investment, update and upgrade the technical facilities, and cooperate with related enterprises to jointly develop a professional teaching platform.

5.2 Promotion of teacher training and teaching reform

The application of mixed teaching mode requires teachers to have relevant teaching skills and abilities, which poses challenges to teacher training and teaching reform. Teachers need to master the skills of online teaching and interactive teaching, and understand the theory and practice of mixed teaching mode. For these challenges, the school can take the following countermeasures: organize teacher training and seminars to improve their teaching skills and ideas; establish a long-term mechanism for teaching reform and encourage teachers to participate in teaching innovation and practice.

5.3 The cultivation of students' learning habits and independent learning ability

The application of mixed teaching mode requires students to have good learning habits and independent learning ability, which poses a challenge to the cultivation of students. Students need to adapt to the model of online learning and self-directed learning. For these challenges, the school can take the following countermeasures: open courses of learning methods and skills to cultivate students' independent learning ability; establish student learning guidance center to provide learning support and tutoring services; organize learning groups and learning sharing activities to promote communication and cooperation among students.

6. Conclusion

The application of the mixed teaching mode of nursing major in the background of intelligent education is of great significance and value. By making full use of intelligent education technology and teaching resources, the mixed teaching model can provide rich learning opportunities and resources, and cultivate students' independent learning ability and innovative spirit. Although there are some challenges in the application process, these challenges can be effectively solved by strengthening the support and development of technical facilities and platforms, promoting teacher training and teaching reform, cultivating students' learning habits and independent learning ability, and establishing and improving the teaching quality evaluation system. Future research should further explore the application field and development direction of mixed teaching mode to promote the educational reform and innovative development of nursing major in universities.

References:

[1]Yang Wang, Xuying Gao. Research progress of Mixed Teaching Mode of Nursing nursing major under the background of Wisdom Education [J]. Modern Medicine and Health, 2021,37 (04): 599-602.

[2]Qiang Li, Xiaoqing Zhang, Jing Huo, etc. Research on improving the strategy of teaching quality of nursing courses in Private Universities [J]. Health Vocational Education, 2022,40 (03): 82-85.

[3]Juan Su. Discussion on the teaching reform strategies of nursing professional education in higher vocational colleges [J]. Vocational and Technical Education and Research in Guangdong Province, 2023 (03): 57-59 + 63.

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