Design and Implementation of Innovation and Entrepreneurship Course in Nursing Education

Guangxia Wu^a, Fang Liu^b, Pei Zhang^c, Nannan Zhang^d, Ping Zhu^e, Chunling Dai^f

Shandong Xiehe University, Jinan, 250109, Shandong, China a346730457@qq.com, b149615937@qq.com, c472291163@qq.com, d250095297@qq.com, c414846673@qq.com, f243400588@qq.com

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Abstract: This paper studies the design, implementation, influence and significance of innovation and entrepreneurship course for nursing specialty. Through in-depth discussion on the concept and principle of curriculum design, objectives and contents, teaching methods and means, and curriculum evaluation and feedback, this paper constructs a systematic curriculum system for innovation and entrepreneurship of nursing specialty. The research points out that innovative and entrepreneurial courses are very important to cultivate innovative thinking, entrepreneurial spirit and comprehensive practical ability of nursing students. By following the principles of student-centered, practice-oriented, interdisciplinary integration and the cultivation of innovative and entrepreneurial spirit, we can effectively implement innovative and entrepreneurial courses and improve students' learning effect and satisfaction. At the same time, this paper also discusses the influence and significance of the innovation and entrepreneurship course of nursing specialty on nursing students, nursing education, nursing industry and even the whole society. The study found that the implementation of innovative entrepreneurship curriculum not only helps to improve the professional quality and competitiveness of nursing students, but also promotes the reform and innovation of nursing education, promotes the scientific and technological progress and service quality of nursing industry, and contributes to the development of social health.

1. Introduction

In the era of knowledge economy in the 21st century, innovation and entrepreneurial ability are regarded as the key to the success of individuals and organizations. As a highly specialized field, nursing is facing rapid changes in technology, society and economy [1]. Traditional nursing education mainly focuses on clinical skills and theoretical knowledge, but with the change of health care model and the rapid development of medical technology, nursing students and practitioners need to have more innovative and entrepreneurial abilities to adapt to the complex and ever-changing medical environment [2]. Therefore, how to effectively integrate innovative and entrepreneurial courses into nursing professional education and cultivate nursing talents with both professional knowledge and innovative and entrepreneurial spirit has become an important issue in the current education reform [3].

Innovation and entrepreneurship education aims at cultivating students' innovative thinking, entrepreneurial spirit and entrepreneurial ability, and its basic theories include innovation education, entrepreneurship education and innovation and entrepreneurship integration education [4]. Innovative education focuses on cultivating students' creative thinking and innovative ability, and stimulates students' creative potential by providing diverse learning environment and practical activities [5]. Entrepreneurship education focuses on cultivating students' entrepreneurial awareness, entrepreneurial knowledge and entrepreneurial skills. Through entrepreneurship education courses and practical projects, students can understand the entrepreneurial process, master entrepreneurial methods and enhance their entrepreneurial ability [6]. Innovation and entrepreneurship integration education organically combines innovation education and entrepreneurship education, aiming at

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cultivating compound talents with innovative thinking and entrepreneurial ability [7].

The combination of nursing education and innovation and entrepreneurship education is an important direction of current education reform. Traditional nursing education mainly pays attention to the teaching of clinical skills and theoretical knowledge, and after integrating the elements of innovation and entrepreneurship, nursing education will pay more attention to cultivating students' innovative thinking, entrepreneurial spirit and comprehensive practical ability [8]. This combination can be achieved by adding innovative and entrepreneurial modules to nursing courses, carrying out innovative and entrepreneurial practice activities and encouraging students to participate in scientific research projects [9]. In this way, nursing students can not only master professional nursing knowledge and skills, but also have innovative thinking and entrepreneurial ability to better adapt to the development needs of the future medical industry.

2. Design of innovation and entrepreneurship course for nursing specialty

2.1. Course objectives and contents

The core idea of innovation and entrepreneurship curriculum design for nursing specialty is to cultivate students' innovative thinking, entrepreneurial spirit and comprehensive practical ability to adapt to the rapid development and reform of medical industry in the future. To achieve this goal, curriculum design should follow the following principles:

- (1) Student Center: curriculum design should take students' needs and interests as the starting point, and pay attention to students' personalized and all-round development.
- (2) Practice orientation: emphasize the combination of theory and practice, and cultivate students' practical operation ability and problem-solving ability through practical activities and project practice.
- (3) Interdisciplinary integration: introducing knowledge and methods from other related disciplines to broaden students' horizons and cultivate their interdisciplinary comprehensive ability.
- (4) Cultivation of innovative and entrepreneurial spirit: pay attention to cultivating students' innovative thinking and entrepreneurial spirit, and encourage them to dare to try and innovate.

The goal of innovation and entrepreneurship course in nursing specialty is to cultivate nursing talents with innovative thinking, entrepreneurial spirit and comprehensive practical ability. Figure 1 shows its specific objectives and course content.

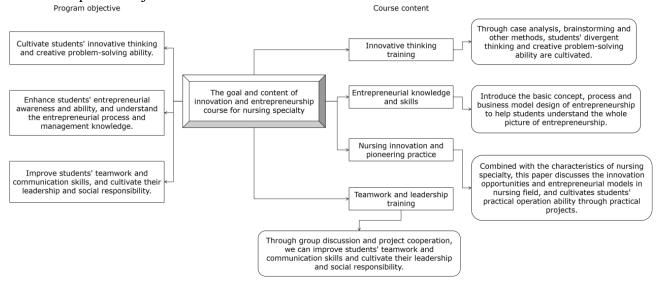


Figure 1 The goal and content of innovation and entrepreneurship course for nursing specialty

2.2. Teaching methods and means

In order to achieve the course goal, the innovation and entrepreneurship course of nursing specialty should adopt various teaching methods and means, including: case teaching: helping students understand the concepts, methods and practices of innovation and entrepreneurship by

introducing actual cases. Project practice: encourage students to participate in practical projects, cultivate their ability to solve practical problems, and enhance their teamwork and communication skills. Simulation exercise: by simulating the entrepreneurial process or innovative projects, students can learn and master relevant knowledge and skills in practice. Lectures and seminars: Invite industry experts or successful entrepreneurs to give lectures or seminars to provide students with practical experience and knowledge in line with the industry.

2.3. Curriculum evaluation and feedback

In order to ensure the effectiveness and practicability of curriculum design, a comprehensive curriculum evaluation mechanism and feedback system should be established [10]. This system should include various evaluation methods, including collecting students' direct opinions and suggestions on the course through questionnaires and individual interviews, so as to promote the timely understanding of students' needs and problems; Teachers are encouraged to evaluate classes and learn from each other, so as to jointly improve the teaching level and the quality of curriculum design. At the same time, industry and education experts are invited to conduct in-depth evaluation and guidance on the course, so as to provide valuable advice from a professional perspective. After collecting all kinds of evaluation results, we should continue to improve the course, adjust the course content and teaching methods in time according to the feedback, and ensure that the course design always keeps pace with the times and closely meets the actual needs.

3. Implementation of innovation and entrepreneurship course in nursing specialty

3.1. Steps and process of curriculum implementation

Table 1 Steps and process of curriculum implementation

Step	Implementation process	Key activities
Step 1 Prepare in advance	Make clear the course objectives, contents and teaching methods, and make detailed teaching plans and timetables. Prepare the required teaching resources and materials.	Determine the course objectives,
		contents and teaching methods.
		Make teaching plans and timetables.
		Prepare teaching materials, cases,
		simulation software and other teaching
		resources.
Step 2 Course introduction and mobilization	Introduce and mobilize the course for students, so that	Introduce the purpose, content and
	students can understand the purpose, content and requirements of the course and stimulate their interest	requirements of the course.
		Stimulate students' interest and
	and enthusiasm in learning.	enthusiasm in learning.
Step 3 Theoretical teaching	Teaching innovative thinking, entrepreneurial knowledge and other related theories. Help students to establish a preliminary understanding and understanding of innovation and entrepreneurship.	Carry out theoretical teaching
		according to the teaching plan.
		Use lectures, case studies and other
		teaching methods.
Step 4 Practical activities	Organize students to carry out innovative thinking training, entrepreneurial simulation exercises and other practical activities. Cultivate students' teamwork and communication skills.	Organize innovative thinking training
		and entrepreneurial simulation drills.
		Use group discussion, project
		cooperation and other forms of
		activities.
Step 5 Project practice	Encourage students to participate in practical innovation or entrepreneurial projects, combine theoretical knowledge with practice, and cultivate students' practical operation ability and problem-solving ability.	Students participate in practical
		innovation or entrepreneurial projects.
		Combine theoretical knowledge and
		practical experience to cultivate
		practical operation ability and problem
		solving ability.
Step 6 Summary and feedback	At the end of the course, summarize and give feedback. Students show their learning achievements, collect opinions and suggestions from students and teachers, and provide reference for the continuous improvement of the course.	Students show their learning results
		through reports, presentations, etc.
		Collect opinions and suggestions from
		students and teachers.
		Provide reference for the continuous
		improvement of the course.

The implementation of innovation and entrepreneurship course in nursing specialty is a

systematic process, and the specific steps include: (1) Preliminary preparation. (2) Course introduction and mobilization. (3) Theoretical teaching. (4) Practical activities. (5) Project practice. (6) Summary and feedback. See Table 1 for details.

3.2. Problems and solutions in curriculum implementation

During the course implementation, some problems may be encountered, such as students' lack of innovative thinking and entrepreneurial experience, and insufficient teaching resources. To solve these problems, the following solutions can be adopted:

Students lack innovative thinking and entrepreneurial experience: we can help students cultivate innovative thinking and entrepreneurial ability by introducing practical cases and organizing innovative thinking training. At the same time, students are encouraged to actively participate in practical activities and project practice and accumulate practical experience.

Insufficient teaching resources: we can actively seek cooperation inside and outside the school and share teaching resources. For example, cooperate with other colleges or enterprises to jointly develop teaching cases and practical projects; Make use of online educational resources to enrich teaching contents and means.

Students' participation is not high: students' participation can be improved by stimulating their interest and enthusiasm in learning. For example, set up an incentive mechanism to encourage students to actively participate in curriculum activities and project practice; Strengthen communication and exchange with students, and timely understand students' needs and problems.

3.3. Effect evaluation of curriculum implementation

In order to evaluate the implementation effect of innovation and entrepreneurship course in nursing specialty, this paper adopts the following evaluation methods:

Evaluation of students' achievement: Evaluate students' learning achievement and performance through exams, homework and reports. We can set up assessment indicators related to innovative thinking and entrepreneurial ability to comprehensively evaluate students' ability level.

Student satisfaction survey: collect students' satisfaction and feedback on the course through questionnaires and individual interviews. This can help to understand students' recognition and demand for the course.

Presentation and evaluation of project results: encourage students to apply the knowledge and skills learned in the course to practical projects, and display and evaluate the results. This can intuitively show students' learning achievements and practical ability.

Expert evaluation and social feedback: invite industry experts or education experts to evaluate and guide the course and provide valuable opinions and suggestions. At the same time, we pay attention to the social demand and evaluation of nursing professionals in order to understand the social impact and effect of the course.

4. Influence and significance of innovation and entrepreneurship course in nursing specialty

4.1. Influence on nursing students

The implementation of innovative and entrepreneurial courses for nursing majors has had a far-reaching impact on nursing students. First of all, it helps students to cultivate innovative thinking and entrepreneurial spirit, making them more daring to try and innovate in their study and practice. Secondly, the course improves students' practical operation ability and problem-solving ability, so that they can quickly adapt to and find effective solutions in the face of complex medical environment and changeable patient needs. In addition, the course also enhances students' teamwork and communication skills, and improves their professionalism and competitiveness.

4.2. Impact on nursing professional education and nursing industry

The introduction of innovative and entrepreneurial courses for nursing majors has had a positive impact on nursing education. First of all, it enriches the connotation of nursing professional education and makes the educational objectives more diversified and comprehensive. Secondly, the

course promotes the reform and innovation of teaching methods, and makes teaching pay more attention to practicality and innovation. In addition, the course also promotes the close combination of nursing professional education and industry demand, and improves the pertinence and practicability of education.

The implementation of innovative and entrepreneurial courses for nursing majors has also had a far-reaching impact on the nursing industry. First of all, it helps to cultivate nursing talents with innovative thinking and entrepreneurial spirit, and provides continuous talent support for the innovation and development of nursing industry. Secondly, the course promotes the innovation and application of nursing technology, and promotes the scientific and technological progress and service quality improvement of nursing industry. In addition, the course also encourages nurses to actively participate in entrepreneurial activities, which has injected new vitality into the diversified development of the nursing industry.

4.3. Impact and significance on society

The implementation of innovation and entrepreneurship course in nursing specialty not only has an impact on nursing students, education and industry, but also has a wide impact and significance on society. It is helpful to cultivate nursing talents with innovative spirit and practical ability, and provides a strong talent guarantee for the development of social health. At the same time, the course promoted the innovation and development of nursing industry, improved the quality and efficiency of nursing service, and made positive contributions to the health and well-being of society. In addition, the course also encourages nurses to actively participate in social welfare undertakings and voluntary service activities, which promotes social harmony and progress.

5. Conclusions

Through this research on the innovation and entrepreneurship course of nursing specialty, this paper draws the following main conclusions:

Innovation and entrepreneurship course is very important for the cultivation of nursing students, which can effectively improve students' innovative thinking, entrepreneurial spirit and comprehensive practical ability. The implementation of innovation and entrepreneurship course in nursing specialty needs to follow certain concepts and principles, and pay attention to the renewal of course content and the reform of teaching methods. There may be some challenges in the course implementation, but through reasonable solutions and continuous improvement, the smooth progress of the course can be ensured. The innovation and entrepreneurship course of nursing specialty not only has a positive impact on nursing students, but also has far-reaching significance to nursing education, nursing industry and even the whole society.

Based on the above research conclusions, this paper puts forward the following suggestions for nursing education:

To further strengthen the development and implementation of innovative and entrepreneurial courses for nursing majors, we ensure that they become an integral part of nursing education. We encourage nursing educators to actively participate in the research and practice of innovation and entrepreneurship education, thereby improving their teaching ability and innovative thinking. We strengthen cooperation inside and outside the school, share teaching resources, and provide more practical opportunities and entrepreneurial support for nursing students. We also pay attention to students' individual differences and diversified needs, providing personalized innovation and entrepreneurship education guidance and services.

In the future, we will pay attention to the performance and growth of nursing students of different levels and types in innovation and entrepreneurship courses, so as to provide more targeted teaching support.

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