

Research on 1+ X Certificate System Based on Computer Technology in the Training of Nursing Professionals

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Abstract: In the context of global economic integration, nursing knowledge teaching practice is an important content of university teaching courses. Improving the teaching quality of college nursing knowledge is conducive to promoting students' all-round development and improving students' comprehensive ability. This paper first analyzes the application of computer technology in nursing teaching practice, and discusses the specific measures and paths of nursing knowledge teaching mode innovation for readers' reference.

Keywords: Computer Technology; Nursing Teaching; Cramming; The Multicultural

1. Introduction

With the development of information technology, 1+ X certificate system has been widely used in various fields. In the teaching practice of nursing specialty, through the use of 1+ X certificate system, the traditional nursing knowledge teaching can be reformed and innovated, enrich the teaching resources, and improve students' interest in learning nursing knowledge. At the same time, it promotes the digitalization and intelligentization of nursing teaching practice.

2. Analysis of the application of the certificate system in nursing teaching practice

2.1 Advantages of using 1+ X certificate system in nursing knowledge teaching in universities

Due to the long-term influence of Chinese traditional teaching, nursing knowledge teachers in our country often emphasize theoretical learning in teaching, but ignore the use of living skills, the traditional Chinese teaching methods of filling the classroom, cramming is still in the upper hand in the classrooms of colleges and universities. This teaching method ignores the subjective initiative of students and stifles their learning enthusiasm and innovation consciousness. Data show that the nursing knowledge level of college students is generally acceptable in reading and writing skills, but their listening and speaking skills are relatively weak. After the introduction of computer multimedia into teaching, a vivid and real language environment will be created by the combination of sound, image and text. Teachers can choose a lot of interesting and appropriate audio-visual materials for students, so that students can combine listening and speaking well in a fresh learning environment. Because the computer multimedia can often show the real use of nursing knowledge context, so students often show a high degree of enthusiasm and concentration in the learning process. They will also try their best to understand the language of materials closely related to the real society, and imitate the idiomatic pronunciation, and the learning efficiency will be improved accordingly. Therefore, college nursing knowledge teachers can combine the corresponding teaching methods and activities designed by computer multimedia teaching, and integrate audio-visual training into nursing knowledge teaching, so as to effectively improve students' listening and speaking ability. The improvement of audio-visual ability is not only conducive to nursing knowledge examination, but also enables students to develop strong interest in college nursing knowledge courses (as shown in Figure 1).



Figure 1 A practical example of a 1+ X certificate system

2.2 Computer multimedia network technology combined with new teaching mode

Cognitivism emphasizes that learning is not a process of passively forming the connection of stimulus response, but a process of actively forming cognitive structure, that is, enabling students to think independently, reorganize materials, discover knowledge automatically, and master principles and principles. Computer multimedia network technology environment allows students to use computers for learning, experience in the learning environment and the traditional take teachers as the main body implants of different teaching modes, let the students play a main role in the learning process itself, let the students interested in the independent solve the problem of nursing knowledge, play to the students' enthusiasm and initiative. In this new teaching mode, not only the position of teachers and students has changed, but also the concept of "teaching technology" and textbooks has been greatly expanded, and the corresponding teaching advantages are also very obvious.

After using up the limited classroom teaching time, through the network 1+ X certificate system, the after-class learning link which cannot be ignored in teaching can also be better planned. With network technology, teachers can use chat tools, Email, Weibo and other network channels to check students' learning status after class, and encourage students to actively use these tools to communicate with themselves on learning issues. At the same time, teachers can also recommend good learning websites and reference books to students conveniently through the network, so that students can choose more professional materials when conducting independent learning, and strive to create a second classroom for students (Table 1 Suggestions on nursing knowledge teaching in a university).

Table 1 Suggestions on nursing knowledge teaching in a certain university

Option	Number of people	percentage
dissatisfied	23	23%
Not really	22	22%
commonly	15	15%
just so so	22	22%
like it very much	18	18%

3. Specific measures and paths for the innovation of nursing knowledge teaching mode

3.1 Using information technology to reform and innovate the nursing knowledge curriculum system

The reform and innovation of the curriculum system of nursing knowledge is an important link in innovating the teaching model. First of all, the teaching materials of nursing knowledge need to be optimized or re-compiled. In school, teaching materials are the main tool for students to learn and the main channel for them to know the teaching content. Therefore, it is very necessary to optimize or re-compile reasonable and systematic teaching materials for nursing knowledge. It is possible to use network technology to collect extensive data of business nursing knowledge from the network, organize and analyze these data, so as to optimize the content of business nursing knowledge textbooks, or re-compile and update the content of textbooks. Besides, on the basis of the printed textbooks, the 1+ X certificate system can be used to compile an electronic version for the convenience of teachers and students (Figure 2 is the training system for nursing professionals).



Fig. 2 Training system for nursing professionals

3.2 Using information technology to reform and innovate teaching methods and means

At present, the information age has arrived, but there are still some nursing knowledge teaching schools continue to use chalk and blackboard teaching method, this method of teaching has been unable to ascend to adapt to the current education environment, there is not much to the promotion of the students' interest in learning, to student's practical ability also does not have the slightest effect. Therefore, it is urgent to reform and innovate the existing teaching methods and means in the teaching of business nursing knowledge. With the support of information technology, the reform and innovation of teaching methods and means can be carried out through three aspects. First of all, the Internet technology and 1+ X certificate system are used to increase the amount of teaching information and simulate business activities. The development of the Internet has brought about the advantages of convenient and fast information circulation. Using Internet technology, it is easy to find the information you need in the mass information, provide more and richer learning information for students, and create a better learning environment, so that students can learn nursing knowledge faster and better. Secondly, the use of information technology to create a good learning environment to guide students to carry out independent learning. Nursing knowledge learning in order to meet the needs of modern society, must be to personalized learning, can be anytime and anywhere to

learn the direction of development, which requires students to be able to conduct independent learning. The development of information technology, especially the development of Internet technology, has realized the new realm of personalized learning of nursing knowledge, which can be learned anytime and anywhere. For example, teachers can use the computer multimedia and network technology in the classroom to play video or picture materials related to nursing knowledge on the computer multimedia equipment, so that students can learn nursing knowledge under the guidance of these materials, so as to create a good learning atmosphere. At the same time, when students encounter problems in learning, they can make use of the rich learning resources on the Internet and download the nursing knowledge they need through the Internet to solve the problems they encounter and improve their comprehensive quality.

4. Conclusion

To sum up, with the development of information age, nursing teaching practice should increase the use of 1+ X certificate system, improve the quality of nursing knowledge teaching in college. At the same time, the nursing knowledge teaching mode is reformed and innovated in combination with the actual situation of nursing knowledge teaching, so as to lay a foundation for cultivating more nursing knowledge talents and meet the needs of nursing knowledge talents in China.

References

- [1] Naoki Y, Akiko N, Yuta H, et al. Cognitive Behavioral Therapy in Psychiatric Nursing in Japan[J]. *Nursing Research and Practice*, 2015:1-9.
- [2] Janes G, Harrison R, Johnson J, et al. Multiple meanings of resilience: Health professionals' experiences of a dual element training intervention designed to help them prepare for coping with error[J]. *Journal of Evaluation in Clinical Practice*, 2021.
- [3] Ramos FO, Zuiga RAA. Underutilization of the reports of adverse events in an Argentine hospital [J]. *The International journal of risk & safety in medicine*, 2018, 29(4):1-4.

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