Research on Mixed Classroom Application Effect under Information Technology - Take Jining Normal University as an Example

Jianli Zhang[1,2]*

[1]*Jining Normal University, Inner Mongolia 012000, China*
[2]*Philippine Christian University Center for International Education, Manila 1004, Philippine*
corresponding author

Keywords: Information technology, Mixed classroom, Effect analysis, Exploration.

Abstract: With the development of China's education, colleges and universities pay more and more attention to students' independent learning. In the environment of information technology, China's teaching system has carried out the corresponding innovation, and built into its own unique organizational form. In this form of education, students are the most basic requirements, with the help of the advantages of information technology, through the network platform and computer technology to enrich educational resources, in the research and design of teachers, to build a complete teaching program, so as to form an efficient hybrid classroom teaching. With the support of information technology and with the guidance and help of teachers, the students of normal College can further improve their comprehensive ability and develop a good spirit of innovation.

1. Introduction

At the present stage, the development of information technology in China has taken a step forward.In various universities, there are a variety of new classroom learning modes, and they are still developing. The effective use of mixed classroom teaching mode in normal colleges can make students have a broader learning space, so as to create a better teaching resources for the classroom teaching of normal colleges. Mixed classroom is a combination of online and offline teaching, integrating the traditional classroom and online teaching mode, which breaks through the limitations of traditional teaching space and time. College students can learn from shallow learning to deeper learning, so as to improve the learning efficiency. Mixed classroom teaching effectively solves the shortcomings of the traditional teaching mode. This classroom attaches great importance to the dynamics of the educational process, but also expands the meaning and connotation of learning. Such classroom teaching is no longer a simple subject knowledge teaching, but from the multi-dimensional and overall level of the subject teaching classroom, can enable college students to fully understand the subject knowledge, master the content of normal subjects, improve the comprehensive learning ability, strengthen the learning efficiency and quality. Mixed classroom teaching mode requires students to be able to master the specific content of a subject, and the classroom also need effective guidance, so in the combination of "teaching" and "learning" to arouse the enthusiasm of students in learning, so as to

improve the teaching quality, promote the development of education, to provide better quality normal talents[1].

2. The characteristics of the mixed teaching mode

The most obvious feature of the hybrid classroom model is the interactivity of hybrid classroom teaching, such as openness, novelty and scale. These characteristics are mainly attached to the classroom mode, and under the support of information technology, the traditional teaching is innovated through new media technology to develop more superior teaching resources. At a certain level, the various characteristics of mixed classroom are closely related internally, making teachers use mixed classroom in teaching will change the traditional teaching mode, gradually weaken the central position of teachers, and promote students to become the real subject in the classroom. At the same time, with the support of information technology, students can independently design the learning structure and course content. As long as teachers effectively guide and expand at appropriate times, they can further extend the teaching content of teachers in class, achieve students' independent learning and improve the quality of course teaching. In addition, the effective use of mixed classroom can continuously expand the source of students; in the teaching resources, students can have a more equal learning degree, so as to give full play to the advantages of teaching resources; improve the teaching quality in large-scale teaching.

When applied to practical teaching, mixed classroom needs to use network media, and under the support of information technology and multimedia form, enrich teachers' teaching resources, let students contact more intuitive and diverse learning resources, so as to realize the multi-dimensional teaching system. After extending the traditional classroom, the mixed classroom increases the interaction between teachers and students in the traditional teaching time and space, and further optimizes the allocation of teaching resources through the Internet platform. When teachers in advance and the theoretical knowledge of different courses, teachers can further guide students to learn knowledge, and explore the subject, in the interaction between teachers and students, improve the communication between people, let students can from shallow to deep analysis problem, so as to cultivate students' innovation ability, develop good habits of autonomous learning [2].

In addition, when the hybrid classroom extends the new teaching characteristics, this model does not discard the traditional classroom model, but innovates and inherits the advantages of the traditional classroom model. For example, to clarify the key and difficult points in teaching, sort out the teaching syllabus, carry out after-class exercises, and establish an evaluation system.By combining traditional classroom mode and using the advantages of information technology, teacher-student interaction is the key factor to improve the teaching weight. Effective interaction allows students to solve learning problems under the guidance of teachers, and teachers can effectively adjust their teaching mode and teaching methods under the suggestion of students to promote the comprehensive development of students, so as to adapt to social development and contribute to education.

3. Application status of mixed classroom in normal college

3.1 Organizational teaching mode under information technology

Information teaching reflects the results of the implementation of education information in China. Information teaching is the teaching method of innovating and optimizing the teaching process with the help of information technology under the guidance of modern teaching theories and ideas. The main purpose is to cultivate students' comprehensive ability and provide more excellent normal talents for the development of society. The teaching activities carried out under the information technology not only inherit the advantages of the traditional teaching mode, but also develop and innovate the

traditional classroom mode to realize the mixed classroom teaching. Mixed classroom is a new mode in information teaching. Under the information technology, mixed classroom can effectively integrate teaching technology, and can use information technology to solve teaching problems in the classroom, so as to give full play to the role of information technology, so as to better use mixed classroom.The so-called organizational teaching mode is to make students grow in a more open learning environment, expand the teaching capacity under information technology, and increase the class reduces the teachers' writing time, making the normal college class more efficient. Using mixed classroom can make the teaching content more intuitive and image, so that normal students fully understand the teaching content, increase the interest of hybrid classroom, can make normal subjects more attractive, can further improve students' interest in learning; at the same time, students have aesthetic pleasure in learning campus, thus, the effective use of hybrid classroom must be information technology support, so as to give full play to the teaching role of hybrid classroom [3].

3.2 Transformed the main body of the classroom

Using hybrid classroom to carry out online teaching program is: before offline teaching, college students can use the mobile terminal to receive and watch teachers prepared learning video, at the same time teachers can use the Internet teaching platform to answer students' learning questions, this can effectively promote the interaction between teachers and students, but also can let college students actively participate in the teaching activities. Finally, college students become the center of the classroom, break through the traditional teaching mode, so that the normal college classroom also realizes the teaching mode of learning before teaching.

3.3 Improve the efficiency of classroom learning

The use of mixed classroom in normal colleges allows students to carry out personalized learning and carry out effective classroom teaching through the interaction between teachers and students, so as to realize college students' independent learning. The classroom is no longer a place for college students to escape, but a passionate learning treasure. Normal college classroom in the past, teachers 'comprehensive ability is limited, cannot to each student's learning status, and effective use of hybrid classroom, under the information technology students can master the network course learning mode, teachers can also be through the Internet teaching platform to supervise students' learning situation, and according to the network learning data analysis students' actual situation, make later teaching plan.In addition, because of online teaching, the teaching platform can feedback the most real information, so college students can use the teaching platform for teachers' teaching mode put forward corresponding Suggestions, convenient teachers timely adjust their teaching activities, improve the teaching quality and efficiency, give full play to the advantages of hybrid classroom [4].

3.4 Enrich the classroom evaluation methods

In the past, the evaluation mode often used in the classroom evaluation of normal colleges was the final evaluation, but after the use of mixed classroom teaching, such a classroom evaluation mode of normal colleges has made a new breakthrough. The formative evaluation has gradually replaced the traditional evaluation mode, making the classroom evaluation of normal colleges more diversified. Nowadays, the final exam results is no longer the only standard to judge students, but in the added innovation ability, professional quality, cooperative spirit and other elements, which is conducive to teachers truly and objective evaluation of students 'learning ability, but also can let the school objectively evaluate teachers' teaching value.

4. The lack of mixed classroom use

4.1 Online management and supervision need to be optimized

Mixed classroom is a combination of online and offline. Different from online and offline teaching, online teaching has no actual management of teachers. College students use the online platform for online learning, and they only need to regularly complete the learning videos uploaded by teachers, reasonably plan their learning time, and complete the online learning tasks on time.In fact, many college students are not conscious of high, the planning of learning time is not reasonable enough, easy to be affected by external factors, thus ignoring the learning task, and finally ended in failing [5].

4.2 The interaction mode between teachers and students is relatively simple

With the support of information technology, the online teaching platform realizes the online communication between teachers and students, and the actual communication is basically a unilateral interaction between teachers or students, and the interaction mode is relatively single, with little two-way and efficient interaction. For example, when the discussion area of college students' online learning platform raises their own questions, teachers do not reply to students in time, or teachers help students solve problems and complete teaching-related work, which will make it difficult for teachers to grasp the students' learning situation, and the teaching efficiency gradually declines. Some college students put forward suggestions on the Internet platform just to obtain learning points. Such suggestions are invalid, so the interaction mode between teachers and students is relatively simple and inefficient.

4.3 Teachers have less mixed teaching and training

The effective use of mixed classroom teaching also requires teachers to have solid professional knowledge and information skills, because teachers need to make teaching videos and upload them to the teaching platform, maintain and manage online teaching, and answer their learning questions with the help of the information platform. But many colleges and universities do not organize mixed classroom training regularly.Some teachers do not have a comprehensive understanding of mixed classroom, and they cannot give full play to the role of mixed classroom when carrying out teaching activities, which restricts the improvement speed of classroom teaching efficiency of normal colleges. In addition, because the mixed classroom is a combination of practical and online teaching, the normal teaching content designed by teachers should conform to the characteristics of the mixed classroom. However, due to the cognitive limitations of teachers, the designed mixed teaching content is relatively limited, which cannot meet the requirements of online teaching. The reason for this problem is that teachers' teaching and training is not in place, which leads to unreasonable of teaching design[6].

5. To ensure the orderly development of the mixed classroom conditions

5.1 External security

There are two subjects of external conditions for using mixed teaching, namely, the government and relevant social institutions. The government is mainly responsible for releasing and implementing policies related to education informatization, giving special funds for university education informatization, implementing information teaching projects, managing and evaluating colleges and universities, and providing enough space support for mixed classroom teaching, so that the curriculum of normal colleges can get scientific planning. With the support of policies and funds, colleges and

universities should organize teachers to actively participate in mixed training activities to promote the innovation of teachers' teaching ideas, so as to cultivate normal talents needed for social development. Relevant social institutions should actively participate in the construction of the hybrid classroom online teaching platform for normal colleges, help normal colleges to develop and set high-quality courses and teaching content, and also cooperate with the training activities carried out by teachers.

5.2 Internal guarantee

The main conditions for ensuring internal conditions are in three aspects: first, the classroom teaching management of normal colleges. The relevant leaders of normal colleges should take the initiative to build an effective teaching management system according to the situation of the college, which should include Internet technicians, students, teachers and teaching managers. The main responsibility of the management staff is to manage the rules and regulations of online education and innovate the mixed classroom teaching in practical work. For example, when registering the online teaching platform account, the manager can count the teaching account and give feedback according to the actual teaching situation to complete the course information after clarifying the main principals of each course. Internet technicians should operate and maintain the online teaching platform for their main work content, so that teachers can carry out mixed classes smoothly. After obtaining the account of the online teaching platform, teachers should improve their information in time and understand the application skills of the platform in advance. When carrying out mixed classroom teaching, we can carry out mixed teaching with the help of online teaching mode, so as to improve the classroom quality of normal colleges, implement the people-oriented teaching concept in the actual teaching, consciously participate in the mixed classroom training, constantly strengthen their teaching ability, and enrich the teaching forms. College students need to actively register for the online learning platform, verify the information of normal colleges, select the corresponding subjects according to the teacher's course selection process, and complete the learning tasks within the prescribed time.

The second is to manage mixed teaching resources. Relevant departments need to build effective teaching resources, and constantly develop new teaching resources. For example, for various classroom videos on online teaching platforms, normal colleges should sign online teaching platform cooperation agreements with other normal colleges, jointly build and share high-quality course videos, expand resources for college students' learning, and realize cross-school elective learning[7].

Finally, implement the mixed classroom teaching, coordinate all the elements in the mixed classroom, create and innovate a high-quality and effective mixed classroom, so as to optimize the teaching mode and improve the comprehensive quality of college students.

6. Conclusion

In short, the hybrid classroom combines online teaching and face-to-face teaching through information technology; this model reflects the mixture of teaching forms and recombines teaching links, giving a new optimization of teaching activities. Effective use of mixed classroom can timely and effectively reflect the overall teaching situation, optimize the role of teaching materials and teaching AIDS, and make the teaching mode and classroom activities more flexible. The application of mixed classroom in normal colleges can further improve the teaching process, teaching thinking and practical connotation, so that normal students can fully grasp the teaching concept and teaching methods, so as to give play to the use effect of mixed classroom in college teaching, and deeply explore the innovation of teaching mode. In addition, under the information technology, the use of mixed classroom teaching mode also needs to pay attention to the influence of various factors, which should pay attention to the social support and the improvement of teachers' comprehensive ability.

Only by taking into account both, can the mixed classroom be carried out smoothly and cultivate normal talents to adapt to the social development.

References

[1] Yingzi Tang. Study on the Application Effect of Mixed Teaching Based on Information Technology in Surgical Nursing Teaching [J].Contemporary nurse: Comprehensive edition, 2019,026 (002): 176-177.

[2] Li Gang, Qin Jian, Nong Qingqing, et al. Mixed Teaching Research and Effect Evaluation of Environmental Health Science Based on Network Course Construction [J].Journal of Guangxi Medical Normal University, 2022,39 (1): 4.

[3] Yu Ping, Ma Yanli, Li Hongju. [J].Education Research, 2021,4 (9): 86-87. Brief Research On online and offline hybrid and efficient first-class classroom teaching mode.

[4] Tingting Xie. Research on Mixed English Teaching Mode in Local Colleges [J].China Fruit trees, 2022 (1): 1.

[5] Guo Qiaoneng, Qin Li, Yang Jing, et al. Exploration of the Mixed Teaching Mode under the Integration of Scientific Aesthetic Beauty Cultivation and Information Technology Application [J].Physics and Engineering, 2021,31 (6): 8.

[6] Fang Fan, Chen Yu, Liu Wenting, et al. Research on the application of "hybrid teaching + flipped classroom" in public elective medical courses [J].Chinese Journal of Medical Education Exploration, 2021,20 (11): 1267-1271.

[7] Bian Shaohui, Zhao Yurong. Application Strategy of Learning Analysis in University Mixed Teaching Environment [J].Journal of Shanxi Normal University of Finance and Economics, 2021,43 (S02): 4.