Integration and Innovative Development of English Teaching Resources in Open Education Based on Network Environment

Chunyang Lin

Heilongjiang Open University, Harbin 150080, China

Abstract: *With the continuous development and popularization of network technology, the integration and innovative development of open education English teaching resources has become a research hotspot in the field of English teaching. This study will explore how to use network technology to promote the integration and innovative development of open education English teaching resources. By analyzing and comparing the current situation of integration and innovative development of open education English teaching resources at home and abroad, and conducting empirical research on the current situation of integration and innovation of open education English teaching resources in China, the quality and effectiveness of English teaching will be improved, and the comprehensive quality and innovative ability of English talents will be cultivated, To effectively implement the teaching objectives of open education and play a good driving role.*

Keywords: Network Environment; Open Education English; Integrated Innovation

1. Introduction

With the rapid development of internet technology and the popularization of the network environment, the integration and innovative development of open education English teaching resources have attracted great attention and research in the field of English teaching. Nowadays, facing an increasing number of English learners and diverse learning needs, how to utilize internet technology, innovate teaching models, integrate teaching resources, and improve teaching quality has become an important issue in open education English teaching. Therefore, studying the integration and innovative development of open education English teaching resources based on the network environment has important theoretical and practical significance for improving the level of open education English teaching in China and promoting English teaching reform. This article aims to explore the current status and problems of English teaching resources in open education, analyze effective strategies for the integration and innovative development of teaching resources in the network environment, and propose corresponding practical countermeasures to provide theoretical and practical support and guidance for promoting the integration and innovative development of English teaching resources in open education.

2. The significance of integrating and innovating English teaching resources in open education

2.1 Improve teaching effectiveness and quality

The integration and innovative development of open education English teaching resources can better meet the diverse learning needs of students, provide richer and more vivid teaching content and resources, enhance students' interest and enthusiasm in learning, and enable them to actively participate in English learning.[1] At the same time, utilizing network environment and multimedia technology can better reflect interactivity and openness, enhance the effectiveness and pertinence of teaching, and improve the effectiveness and quality of teaching.

2.2 Cultivate comprehensive and innovative abilities

The integration and innovative development of open education English teaching resources enable students to have access to a wider range of knowledge and information, enabling them to have a more

comprehensive understanding and mastery of English language, culture, and background knowledge, thereby cultivating students' comprehensive qualities and innovative abilities. Meanwhile, in the process of using and mastering various teaching resources, students can also cultivate their self-learning ability and information acquisition ability, improve their learning ability and development potential.*[2]*

2.3 Promote teaching reform and research

The integration and innovative development of open education English teaching resources are conducive to promoting English teaching reform, achieving the transformation from traditional teaching to modern teaching, adapting to the needs of the times, and promoting the transformation and upgrading of English teaching models. Meanwhile, with the help of network technology and big data analysis, students' learning needs and outcomes can be more scientifically predicted, providing more comprehensive and diverse data and information for targeted teaching research.

2.4 Strengthening International Education Cooperation and Exchange

The integration and innovative development of English teaching resources in open education can promote cooperation and exchange in international education, enrich students' international education experience, and enhance their cross-cultural communication abilities and international perspectives. At the same time, through online platforms, students can communicate and interact with overseas English learners, improve their English speaking and listening skills, increase their understanding and understanding of international English education, cultivate cross-cultural communication skills and leadership, and make due contributions to the development of international education.

3. Analysis of English Teaching Characteristics in Open Education Based on Network Environment

With the popularization of network technology and the Internet, there have also been significant changes in the teaching mode and methods of open education English. Open education English teaching in the online environment has the following characteristics

3.1 Diversified teaching resources

Open education English teaching in the online environment can provide rich and diverse teaching resources, such as online courseware, online dictionaries, voice libraries, multimedia textbooks, etc. Students can learn English through the internet at different times and places, obtain rich teaching resources, and enrich their knowledge reserves and language skills.

3.2 Improving the cost-effectiveness ratio of learning

Open education English teaching in the online environment can save students' time and learning costs, reduce the Cost Benefit Ratio, and improve learning efficiency and effectiveness. Students no longer need to attend classes at school, but can learn English at home or in any online location, and access the teaching resources they want anytime, anywhere.

3.3 Strengthening the interactivity of learning

Open education English teaching in the online environment emphasizes the interaction between students and teachers, as well as between students. It enhances the interactivity and openness of learning, helps students better understand and master the learning content, and enhances their interest and enthusiasm in learning. At the same time, students can communicate with other students and teachers through the internet, share their experiences and perspectives, expand their horizons and ideas, and improve learning outcomes.

3.4 Encourage self-directed learning and innovation

Open education English teaching in the online environment can encourage students to learn independently and innovate, stimulate their learning interest and motivation. Students can freely choose

teaching resources and courses based on their learning needs and progress, independently organize their learning time and methods, and unleash their learning potential and innovative abilities.

3.5 Emphasize cross-cultural communication and international education

Open education English teaching in the online environment emphasizes cross-cultural communication and international education, improves students' language proficiency and international perspective, and enhances their cross-cultural communication ability and leadership. Through online platforms, students can communicate and interact with overseas English learners, improve their English speaking and listening skills, and increase their understanding and understanding of international English education.

4. Summary of the Integration and Innovative Development of Open Education Teaching Resources

The integration and innovative development of open education teaching resources is an important direction for the current reform and development of higher education, aiming to improve the quality of open education teaching, enhance students' comprehensive quality and employment ability. However, in practice, there are many problems in the integration and innovative development of open education teaching resources.

4.1 Insufficient teacher team building

As the main body of teaching resources, open education teachers' professional abilities and educational concepts have a crucial impact on teaching outcomes. However, there is currently an imbalance in the age structure of the teaching staff in open education, and many teachers have low acceptance of new teaching concepts and new educational technologies, resulting in slow updates of teaching resources and insufficient teaching quality.

For example, an open education program offers a course on big data, but many teachers lack understanding and understanding of emerging technologies and are unable to fully tap into teaching resources. Additionally, because they often supplement traditional textbooks, the course is disconnected from the times. Such problems are not only present in the field of big data, but also widely present in various fields of teaching reform.

4.2 Insufficient interdisciplinary cooperation

Modern higher education has shifted from traditional single subject education to interdisciplinary and integrated education. However, in practice, many open education teachers find it difficult to collaborate across disciplines, leading to a serious lack of interactivity and comprehensiveness in teaching resources.

Taking a quality education project in an open education as an example, if all teachers adhere to their own teaching content and methods and are unwilling to communicate and cooperate across disciplines due to the involvement of knowledge from multiple disciplines, then students' information acquisition and transformation abilities, innovation abilities, and other aspects will definitely be greatly constrained.

4.3 Inadequate integration of teaching resources

The integration of teaching resources is an important means of teaching reform and innovation, and is the key to achieving the integration of open education teaching resources. However, in practice, many open education teaching resources are not fully integrated.

For example, the teaching resources of an open education are distributed across multiple departments and colleges, but these colleges lack effective coordination and cooperation, and do not fully integrate their respective teaching resources, resulting in a decrease in the utilization rate of teaching resources and unsatisfactory teaching results. This not only leads to the waste of teaching resources, but also makes it difficult to exercise teachers' collaborative teaching abilities, making it difficult to improve teaching quality.

4.4 Inadequate application of educational informatization

The application of educational informatization is an indispensable part of the integration of teaching resources. However, in practice, many open education applications for educational informatization still remain at a lower level, and large-scale applications still face many technical and management issues.

For example, although the online courses offered by an open education institution are already mature in theory and technology, many teachers in the school do not have a deep understanding and understanding of online teaching, are unable to better utilize network technology, lack effective teacher-student interaction, and the effectiveness of online courses is not satisfactory.

Moreover, teachers themselves do not have a deep understanding and understanding of online teaching, which can easily lead to various unexpected problems in the teaching process, and even reduce the effectiveness of course teaching, causing students' aversion to English subject learning.

Overall, there are many problems in the integration and innovative development of open education teaching resources, which require multi-party cooperation, seeking improvement and innovation from aspects such as teacher teams, interdisciplinary cooperation, teaching resource integration, and educational informatization, in order to improve teaching **quality and students' innovation ability.**

5. Exploring the Integration and Innovative Development Measures of Open Education Teaching Resources Based on the Network Environment

The integration and innovative development of open education teaching resources in the network environment has become an important direction in the current development of higher education. In this environment, how to improve teaching quality, enhance students' comprehensive quality and employment ability through the integration and innovation of teaching resources has become an important task of open education. This article will take the following four measures to promote the integration and innovative development of open education teaching resources based on the network environment.

5.1 Building a digital course resource library to achieve the sharing and integration of teaching resources

Nowadays, with the development of internet technology, the construction of digital educational resources has become increasingly a trend. Taking the digital course resource library as an example, it can use cloud computing technology to centrally store teaching resources in the cloud, achieving the sharing and integration of teaching resources. Teachers can obtain relevant teaching resources through online teaching platforms to better reprocess, transform, and update them. In addition, using cloud computing technology can also achieve dynamic updates of online resources, respond to the needs of students and teachers in a timely manner, and improve the utilization rate of teaching resources.

The construction of digital course resource library provides rich and colorful educational resources, including courseware, videos, literature, and cases, aiming to provide more convenient and practical educational resources for teachers and students. Teachers can obtain the resources they need from the digital resource library at any time according to their own needs, while also learning new educational concepts and technologies from them. In addition, students can also engage in self-directed learning through digital resource libraries and communicate and interact with teachers through online platforms.

5.2 Promote interdisciplinary teaching models that cover multi-dimensional knowledge structures and broaden knowledge horizons

Modern higher education has shifted from traditional single subject education to interdisciplinary and integrated education. From the perspective of interdisciplinary integration, interdisciplinary interaction and integration can help students better understand knowledge and solve practical problems. From the perspective of multi-dimensional knowledge structure, interdisciplinary teaching models can help students comprehensively understand knowledge in a certain field, thereby expanding their knowledge horizons.

In the future, a lot of practice is needed in the field of interdisciplinary education, such as offering various interdisciplinary courses in schools, such as Chinese revolutionary history and culture, physics and literature, covering knowledge from different fields. Through the practice of interdisciplinary

education, the school provides students with a more open and diverse knowledge exploration environment, and has also achieved great results in expanding their knowledge structure.

5.3 Promote online education and innovate teaching models

Currently, online education based on the Internet has become a focus and trend in the integration and innovation of open education teaching resources. Online education has advantages such as diversified teaching resources, changes in teaching fields, and innovation in teaching methods, which can better meet the personalized and flexible learning needs of students. At the same time, it also provides more teaching opportunities and methods for teachers.

Online education courses have received widespread recognition and praise. Through online education, students can independently choose the learning mode that suits them, and at the same time, they can also enjoy excellent teaching from excellent teachers both domestically and internationally. Through online education, not only has education resources been shared and integrated, but teaching models and methods have also been innovated, injecting new vitality into the reform and development of open education.

5.4 Teacher training and improvement, continuously improving teaching quality

As the key to the integration and innovative development of open education teaching resources, the professional ability and educational philosophy of teachers have a crucial impact on teaching outcomes. Therefore, open education teachers need to continuously improve their teaching skills and educational concepts, master emerging technologies and educational methods, in order to better utilize teaching resources and improve teaching quality. Various forms of teacher training help teachers master new knowledge, technologies, and methods, and improve teaching quality. Conduct regular teaching training, introduce innovative technologies and methods, and promote teaching innovation and change. The overall level of the teaching staff has been improved, injecting new vitality into the improvement of the quality of open education.

6. Conclusion

In summary, the integration and innovative development of open education teaching resources based on the network environment require multi-party collaboration, starting from resource sharing, interdisciplinary teaching, online education, teacher training, and other aspects, continuously improving the content and methods of education to improve teaching quality, promote students' comprehensive quality and employment ability.

References

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