Research on Optimization of College English Classroom Teaching Based on Computer Network Environment

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Abstract. In recent years, under the influence of the continuous reform of the education system, colleges and universities have set off a large-scale teaching reform, which also includes college English education. With the wide application of computer information technology and network technology, many English teachers have joined a new technological revolution in order to carry out English teaching with the help of computer information technology and network technology, thus promoting the improvement of teaching quality and efficiency.

Keywords: Network Environment, College English, Classroom Teaching

1. Introduction

In our country, computer network technology has developed rapidly in the past few decades and has rapidly entered various related fields of social life. It can be said that once any technology is introduced into a specific field of practice, it will actually cause great changes in the field, and can even bring about radical changes. When modern computer network technology enters the traditional field of foreign language teaching, it will first bring about the replacement of teaching elements and structural forms, which will inevitably lead to a series of changes such as teaching information transmission, teaching content and activity combination, teaching process and pattern design, and then call for the support of advanced teaching ideas and the improvement of comprehensive evaluation standards. In view of these changes, we should conform to the requirements of the times, promote the good integration of computer network technology and foreign language courses, and effectively explore the effective means, methods and models needed in integration [1]. Under the situation that the reform of college English teaching in China is in full swing, the author thinks that these studies are particularly urgent and significant.

2. Basic overview of college English education ecology in computer network environment

Educational ecology is actually the effective use of relevant theoretical knowledge and methods of
ecology in pedagogy, which refers to the effective integration of educational methods or activities with other surrounding environment and atmosphere, and the study of the beneficial or adverse effects of integration on education in order to achieve the purpose of promoting the development of education. The optimization of English ecological teaching in computer network environment is a subject that many people engaged in educational practice and research have been exploring for a long time. So far, it has made a breakthrough in theory and practice, and has been widely adopted and tried. But everything cannot be smooth and accomplished overnight, and the topic of optimizing English teaching classroom in the network environment needs further study, so as to construct a more effective, more harmonious and more practical teaching model.

3. The significance of optimizing the teaching mode of college English computer network environment

Traditional college English classroom teaching, because the teaching materials and guidance materials are all prescribed by the school, so the lag of the content of teaching materials and guidance materials, are teachers "spoon-feeding" classroom teaching, student status, resulting in students' low interest in learning and fixed learning mode, so that many students have a sense of resistance to English learning, and slowly lost the motivation to learn. In the long run, students' English learning autonomy is weak and their self-study ability is low, which constrains their personality development. And English learning for many college students, only to cope with the examination, and after learning has not been really applied, which also led to the traditional English teaching model has not been able to adapt to the needs of college students in the new era of English teaching, and the teaching effect cannot fully meet the development trend of quality education for modern students [2]. At the same time, because of the interactivity, multi-media and sharing of network technology. It has also become the best choice path for colleges and universities to construct, innovate modern teaching mode, and to introduce information network technology in college English teaching [3]. Figure 1 is a schematic diagram of the optimization of college English classroom teaching mode in computer network environment.

![Figure 1. Schematic diagram of optimization of college English classroom teaching mode in computer network environment](image-url)
4. Optimization principle of college English classroom teaching in computer network environment

For college students, only with high English ability can we get more choices in the future job search and employment. However, the traditional English teaching mode has a strong singularity and lag. Many advanced network technologies and information technologies have been applied to English teaching, which has made English teaching obtain a great power of innovation and reform. Adhering to some necessary principles in English teaching will be very helpful to give full play to its superiority to the network environment and computer information technology, and make the innovative teaching mode more acceptable.

4.1. Optimization principle
Compared with the traditional English classroom teaching, in the network environment, the classroom teaching of college English can innovate out more teaching means. By introducing network information technology, using the functions of information sharing and network exchange of network technology, we can improve the teaching effect and achieve the diversified choice of teaching means. Therefore, we can better realize the teaching objectives and tasks of college English.

4.2. Promoting individual development principles
English teachers can choose different teaching methods and contents for students with different English foundation, so as to improve students' English learning ability and English level. Teachers can provide them with more abundant English reading materials and learning methods. For students with poor English foundation, the teacher can specify the learning methods and contents suitable for these students. In the network information environment, teachers can tailor-made learning plans, learning goals, learning contents, learning progress, etc., through the guidance of teachers, the sharing of resources of network information, and the cultivation of students through their own learning methods and learning progress to carry out autonomous learning, so as to promote students' individual development and play their own unique learning style.

4.3. Principles of international interaction
The interactivity and sharing of network information technology are becoming more and more important in multimedia teaching, which is also an important feature in modern college classroom teaching, and at the same time, it constantly affects the innovation of college English classroom teaching mode, thus realizing the leapfrog development of traditional English classroom teaching mode. In the network environment, human-computer interaction and interpersonal interaction in college English classroom teaching are two aspects of network classroom teaching. Human-computer interaction mainly refers to the interaction between people and network information, between people and computers [4]. The narrow classroom teaching environment is extended to the infinite network information environment. At the same time, it also enriches the teaching content, uses the shared network information platform of the Internet to enrich the knowledge storage, and enriches the monotonous and limited knowledge in the book. The teacher-student interaction between the traditional classroom and the computer network environment classroom is shown in Figure 2.
After 5.2. The main position of students is valued

After the network environment gradually goes deep into the classroom, the status of the students has increased, no longer relying only on the teacher's teaching, and no longer giving priority to him,
college students' classroom teaching is also increasingly dependent on the network environment, and students can also become the central guidance of teaching forms [7]. That is to say, what teachers do is simply guide students, or play a superficial role. Teachers are no longer the objects that must be relied on, and the state of students' autonomous learning can be completely completed through their own exploration.

5.3. More efficient management
Multimedia teaching tools play a positive role in English teaching, which not only provides rich and diversified resources guarantee, but also lays a good foundation stone, supports convenient and advanced technology development, and makes the English go on steadily. Since the in-depth course teaching of network technology, it has also provided convenient conditions for various management work, such as the arrangement of student files, the sharing of network resources, and the placement of subject teachers' files, which have been carried out step by step in an orderly manner, not only saving time, but also reducing the input of human resources, and the probability of errors or serious consequences in management is becoming smaller and smaller.

6. Conclusion
Computer network technology has unique advantages in innovating teaching methods and improving teaching mode, but these advantages are not explicit, so we teachers and researchers need to work hard in the nuances to find the correlation, combine the innovative teaching methods with the courses filled with new contents, and then promote the high quality and sustainable development of modern English education by understanding the teaching objects and satisfying the teaching objects.

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References

[1] Jia. A Study on the Construction of Eco-teaching Model of College English under the Computer Network Environment [D].Qiqihar University.

[2] Liu Lu, Zhang Xinli. A Study on Optimization of College English Classroom Teaching Environment in Computer Network Environment [J].New Wisdom ,2017,000(007):55-56.

[3] Wei Jing. A Study on Optimization of Computer Network Ecological Environment for Foreign Language Learners [D].Shanghai Foreign Studies University ,2012.

[4] Li. A Study on Optimization of College English Classroom Teaching in Network Environment [J].Education in Literature ,2018,000(015): P.36-37.

[5] Jin Xiaoli. Study on College English Teaching Theory — A Preliminary Study on College English Teaching [J].Educational Development Studies ,2016(9): F0002-F0002.
[6] Liu Danqi. A Study on Optimization Strategies of Eco-environment in College English Classroom Teaching Network [J].Journal of Social Sciences, Jiamusi University, 2014(01).

[7] Revision of the English language syllabus of the University of Arts and Sciences. College English Syllabus (College Arts and Sciences)[ M].Shanghai: Shanghai Foreign Language Education Press, 2013.