

Research on English Study and Teaching Mode Innovation in Universities in the Guidance of Mobile Micro Learning Theory

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Abstract: As the development of people's living standard and science and technology, it is becoming more and more universal that people use mobile devices to take shopping, listen to music and study. Due to mobile learning's more convenient, simple and timely characteristics, the mobile micro learning is coming into more and more people's life, study and work in formal and informal ways. But for modern universities' students, it naturally becomes one of popular learning means, besides, it also provides new means and approaches for university students' English learning, which can make the university English courses get better and more effective completion. Through the combination of computer and the classroom teaching mode, we can implement the mobile micro teaching reform, and provide students with liberalization and individuation learning environment so as to cultivate talents with comprehensive quality. However, due to the lack of effective mobile micro learning theory and learning theory under that guidance for current English education of the domestic university. Directing at this phenomenon, by studying its theoretical basis and combining theory and practice, this paper will carry on systematical discussion on that. On the other hand, according to the advanced study theory to find the teaching reform and provide solid scientific basis for mobile micro learning theory. In this paper, through the study, we get that mobile micro learning make the combination of traditional English teaching and modern science and technology and we can get the realization of digital teaching mode of English teaching and make the undergraduate learning is no longer limited by classroom with the help of WeChat, websites, internet *etc.* media,. Besides, these media can also let the undergraduates be more closer to life and have chance to participate life so as to create a new era of university English teaching under the guidance of mobile micro learning.

Concept and Characteristics of Mobile Micro Learning

According to the survey, by the end of 2016, the number of China's Internet users has reached to RMB 726 million and that of smartphone users is more than RMB 580 million. The popularity of the Internet and the rapid development of mobile technology, as well as all aspects into people's life constantly affect the learning area, which drives the continuous development of mobile learning and micro learning research and practice and brings enormous effect for university English. It will become new type of learning method under the support of future technology for a long period, besides, its characteristics of digitization, generalization, individuation and informality *etc.* affect people's learning. Under this background, combining that into university English and university English classroom is the attempt to realize the mobility, micromation and individuation of university English teaching.

1 Mobile Learning

It is called mobile learning in English, which as a kind of new teaching concept, is the outcome under the mutual fusion of computer, Internet and mobile technology. From the aspects of equipment and tools requirements, it mainly takes the mobile handheld terminals such as mobile phone, tablet, notebook computer as the learning tools and take learning and education acceptance services through wireless mobile network technology for; On the other hand, for the students, it refers to taking learning and acceptance education service anytime and anywhere and learning something through the advantage brought by mobile technology. Simply speaking, mobile learning is the new type of digital learning method through the wireless mobile network technology and wireless mobile communication equipment at any time, at any place, in any form and with any content.

It refers to new type of learning mode made up with tinycontent and tiny media and it exists in new media ecologicalsystem. Tiny content refers to the information unit with characteristics of fragmentary nature, dynamic restructuring, friability and it is the small capacity of information that the users can upload to internet, such as a piece of microblog information, a message, a multimedia file or a comment, which can all be regarded as the micro contents; The micro media refers to the information technology in a virtual environment and it presents the state of simplification, facilitation, and mobility. Broadly speaking, comparing with the traditional teaching, the micro learning is the activity that learn less knowledge through a short time.

Mobile learning and micro learning is the learning mode under the background of contemporary computer development and education reform. And with the further deepening of mobile technology and the coming of 4G era, the educators put forward the new type of cross-synthesis learning model of the two types, which provide external technology and internal demand power for education form and education content. Just like the chat tool QQ in mobile phone, it is an excellent representative of mobile micro learning. In the trend of catering to mobile era background language, it has the characteristics of wide-ranging, high efficiency, sharing and individuation, which can provide students with a short, interesting and refined learning content. Besides, in this environment, students can avoid the constraint of time and space and take ambulatory learning in short time.

As the mainstream learning mode in future, mobile micro learning has many advantages. Compared with the traditional formal learning method, it is more convenient and fast and it breaks through the limitation of time and space in traditional learning. Due to complex network platform resources, so the mobile micro learning needs to start from the needs of learners and lay the basis on solving the practical problems for undergraduates. With the wireless network as the support and with the mobile carrier as the terminal, its characteristic can be divided into modularization of content, digitization of information, ubiquitous learning and informal learning, *etc.*

Modularization of Content refers to that the learners can carry out study activities and obtain the required information anywhere and at anytime, however, it is easy to be affected by environment and then be forced to quit learning, as a result that it is bad for the continuity and the validity of learning for learners. Directing at this situation, we can disassemble and reduce the content of learning and adopt small module of learning strategy. Besides, the content of learning resources do not need to be too much, we can change the complete learning content into multiple modules of content, just like a paragraph, a picture, an audio or a video and make even one knowledge point become one learning activity so that to embody the characteristics of mini type.

The digitization refers to conducting teaching activities with network technology. Compared with the traditional textbook learning, the digitization can realize the learning interaction, and it is not affected by time and space. People can autonomously take learning and communication, and change passiveness to

activeness so as to improve the positivity and enthusiasm of learning. And in the process of digitized learning, the students can have more their own time to arrange their learning, so as to let the life become more rational and free, which is also the point of digitized learning.

Ubiquitous learning is put forward according to the ubiquitous learning theory, and it can build a learning environment at any time and place. For knowledge, it is gained by the interaction between individual and environment, so the best way to gain is learning while doing, and mix it into our life. While, the ubiquitous learning has such characteristics, relatively compared with the teaching ways in traditional class, the ubiquitous learning is taken through active learning, liquidity learning and interactive learning *etc.* methods. Learners can learn in any way to meet the needs of different people. This kind of learning way is one reflection of pursuing self-improvement and it also can be extended to lifelong learning.

Function of Mobile Micro Learning in University English

Mobile micro learning, as the mainstream mode of future learning, is popular with its convenient and efficient characteristics. Therefore, it can also play a special role in university English teaching, this paper will focus on introducing several advantages and functions of mobile micro learning in university English.

For mobile micro study, it does not have a high requirement for hardware. Almost all modern university students have a smartphone, by connecting to the internet, we can study English anytime and anywhere. The modern internet is very advanced and all kinds of English learning software have a big number. On the other hand, students can also take real-time communication through QQ, WeChat *etc.* platforms. In addition to the basic voice, video, images and text, we can also undertake multiplayer interaction, which provide a good support for foreign language teaching. These software can also support screen demonstration, text language chat, sharing of words, pictures and video, furthermore have the interaction in friends circle and QQ space, which provides teaching display, skills operation, independent learning for English teaching and provide conditions for building language community. In a real sense, penetrate the English skills of listening, speaking, reading, writing and translating *etc.* into the students' life and realize the diversification of English learning.

For English, it has high technical requirements and the modern teaching model has also been influenced by the traditional technology, so it cannot get great progress. University English teaching, from the aspect of current hardware environment, is mainly taken in ordinary classrooms, multimedia classrooms and computer classrooms. Although in modern society, it advocates the multimedia teaching, for some schools, it still can't gain popularity; Although the computer classroom already has the multiple function, its high cost, enormous size, inconvenience make it get certain influence. And the mobile micro learning has good characteristics of strong interactive function, low technical requirements and good compatibility, which provides simple, cheap, real-time interactive features for English learning technology. Therefore, no matter from the aspect of classroom or compared with the multimedia classroom, it has a natural advantage, and this is the supplement and completion of the current university English teaching environment.

Because the mobile micro learning is developed by portable terminal devices to carry out English learning, and according to the limitation of display screen and resolution, its learning content will be more concise. It mainly manifests in the page's characteristics of clear and concise navigation, core highlighting for menu design and short content. Use concise language to express the exact information, use intuitive module to separate information content and avoid multifarious bedding and let the students

be more intuitive to learn. Simplicity of content can make the students' learning be more convenient and quick and improve students' interest and learning efficiency so as to get better effect of mobile micro learning.

University English Teaching Reform in the Environment of Mobile Micro Learning

Compared with traditional English teaching mode, mobile micro learning can use fragmented time to learn and its highest goal is to learn at any time and the teachers be everywhere. So we need to make full use of its advantages to make up the inadequacy of classroom teaching. Therefore, combining mobile micro learning and university English become the research emphasis for current educators. The following are the characteristics of the mobile micro learning, besides, this paper puts forward some new types of English teaching reform modes hoping to provide theoretical basis for it.

WeChat is the chat software marketed by Tencent , and it, as the mobile social software with voice, text, images and video in it, has the characteristics of openness, sharing, cooperativity and interactivity, which is also the essential condition in English study. In the background that the information age constantly brings opportunities and challenges for university English teaching, combine WeChat and university English, virtual classroom and classroom teaching and achieve the goal of mobile micro learning. Besides, the interaction between teachers and students can be done by real-time communication to ensure the clear communication between teachers and students; Adopting mass texting assistant to release learning task according to different students and achieve the aim of teaching students in accordance of their aptitude; By the tool of friends circle, let the students carry on the communication after class, besides, the teachers can assign homework, reading and writing *etc.* so that to create the curricular and extra-curricular and online and offline learning platform with independent study ability and full accessibility.

Due to the popularization and promotion of modern smartphones, the students' communication ways also become more convenient and quick and it is more and more common for students to get to the internet, download and play audio by SMS, QQ or laptop, so large scale of English teaching institutions at home and abroad also begin to carry out online teaching, which content is extensive and teaching way is diversified. Students can learn according to their own interests and characteristics, and also they can ensure the continuity of learning by the way of downloading. Therefore, a simple, convenient, diversified learning website can enhance students' interest in English learning and improve the efficiency of learning.

As an English teacher, although it is not necessary to deliberately get a program language to develop software, it is necessary to keep pace with the times, grasp the application of certain practical software and make use of its advantages to take English teaching, besides, they can also exchange experience with other teachers and then enrich teaching experience. And schools can also regularly carry out related activities and take professional training for teachers so that to give better service for students. On the other hand, teachers can also take English learning by mobile micro learning and make use of fragmented time to learn so as to realize the goal of lifelong learning.

For contemporary university students, they tend to pursue personalization and liberalization, however the traditional university English teaching tends to contain this feature and change to passive learning, which reduces students' interest in learning. Combine university English and mobile micro learning and let students choose their own learning methods according to students' different cognition, learning styles so as to display their personality. On the other hand, the teachers can also teach students in accordance of their aptitude by the tools of WeChat, QQ and Facebook *etc.* to assist tutor students' individualized learning, besides, the network technology gets students and teachers closer and makes the communication

between them be more comfortable and convenient, therefore, personalized teaching mode can also cultivate the students' initiative and liberalization.

Conclusion

In conclusion that the university English teaching innovation mode under the guidance of mobile micro learning theory have great help to students in the aspects of operation, interaction, independent learning and initiative. With the constant advancing of informatization at school, mobile micro learning will greatly change the university English learning mode besides, as a teaching tool and theory, letting the students carry on learning whenever and wherever reduces the threshold of lifelong learning. As one of the ways of informal learning, although it can't completely replace the formal learning, it will continue to extend the formal university English teaching, break the traditional restrictions and provide more convenient and quicker learning experience for students.

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