Research on Innovation of Classroom Teaching Mode of University Education Based on Micro-curriculum Concept

Xin Jin

School of Business, Guilin Tourism University, Guilin, 541006, China;
gjsxy_jinx@gltu.edu.cn

ABSTRACT. *In today's society, information technology has penetrated into all areas of people's learning and life. In this context, micro curriculum came into being. It is an innovation on the basis of the traditional teaching mode and the introduction of a new teaching concept in the traditional teaching mode. As a new thing, micro course is becoming a new teaching mode, which brings more changes to the classroom teaching and provides a more efficient teaching method for the classroom. Under the situation that the traditional teaching mode in colleges and universities is constantly questioned by students and teachers, it is of great practical significance to explore new classroom teaching modes. Integrating micro-courses into college classroom teaching can fundamentally realize the innovation of college education mode and means. Micro-curriculum skillfully integrates electronic network information technology, which makes the experience of higher education more widely used. This paper discusses the innovative strategies of classroom teaching mode in higher education based on the concept of micro-curriculum.*

KEYWORDS: *Micro-courses; Classroom teaching; Innovation*

1. Introduction

Micro-curriculum refers to a learning model that is gradually formed under the guidance of constructivism and takes online learning as the main method to present actual teaching content. The advantages of micro-courses are that the teaching content is short and concise, the teaching themes are prominent, the teaching structure image is concrete, and it has the characteristics of openness, extension, flexibility, means intermediary, and quasi-permanent separation of distance education [1]. In the current era of development, science and technology have changed people's lives, work and study. The wide application of information technology in the field of education has expanded people's learning channels and changed people's views on education and learning [2]. The content taught in the micro-class has the characteristics of dots and fragments. These subdivided knowledge points can be reflected through the interpretation of textbooks, detailed exercises, and test site induction. It can also achieve teaching effects through method teaching, teaching experience dissemination, and corresponding expansion of knowledge points [3]. Micro-courses provide students with more diversified learning methods. By downloading videos, students can repeatedly watch and deliberate on questions they do not understand, which can ensure the improvement of learning efficiency [4]. With the continuous improvement of the national informatization level, the form of Internet + is also constantly enriched, and micro-courses, as a representative of the form of Internet + education, are gradually being known by more people [5].

College students are very interested in learning knowledge through sound, image and video, and "micro-courses" are produced and developed based on such a realistic demand [6]. Under the situation that the traditional teaching mode of colleges and universities is constantly being questioned by students and teachers, it is of great practical significance to explore the new classroom teaching mode. Relying on modern information technology, micro-courses can share teaching resources, create suitable teaching situations, visualize the teaching structure, have the characteristics of openness and flexibility, and enrich students' college education and learning experience [7]. University education is the main aspect of a country's diversified education. Integrating micro-courses into university classroom teaching can fundamentally realize the innovation of university education models and methods, and can carry out education in a more intuitive and vivid way than traditional teaching models. [8]. Micro-classes are a powerful supplement to existing classroom teaching. They are in line with the development characteristics of the current mobile phone era, and they are also in line with the goals of individualized development and in-depth learning of the current quality education requirements for students. Micro-courses cleverly integrate electronic network information technology, so that the experience of college education can be used more widely [9]. This article discusses the innovation strategy of college education classroom teaching model based on the concept of micro-course.

2. Inevitability of Integrating Micro-curriculum into Efficient Classroom Teaching

2.1 The infiltration of micro course in College Classroom Teaching

With the continuous progress of science and technology, mature network information technology has created a good atmosphere and external environment for new learning methods such as micro-courses, brought convenience to people's production and life, and also affected people's work, study and entertainment, and even affected the change of people's thinking mode. Nowadays, among college students, we will find that more and more people use smart phones and mobile digital products, which virtually changes their reading and learning methods. In today's world, with the rapid development of information technology, internet plus has gradually penetrated into people's lives, and micro-curriculum is produced under this background, which fully meets the needs of the development of the times [10]. "Micro-course" comes into being with the development of multimedia communication technology and Internet cloud computing. It uses micro-video as the medium of knowledge dissemination and embeds relevant knowledge points to carry out teaching activities with vivid video pictures. Micro-courses rely on Internet technology and have unique teaching resources. In the process of teaching, they can achieve teaching goals at a faster speed and at a higher level, and have unparalleled advantages. Traditional education focuses on teachers and students, giving knowledge face to face, and students receive teaching information from teachers in a passive way. This method is suitable for large-scale class teaching, but it cannot meet the challenge of digital network education mode.

Most teachers will use words and deeds to instill knowledge into students blindly. Nowadays, with the development of multimedia technology and the development of national excellent courses, it is a basic skill requirement for teachers to master general multimedia technology. Micro-curriculum education integrates digital network information technology, spreads knowledge with its rapid trend, and promotes and popularizes the development of classroom teaching in colleges and universities. The application of information technology in education and teaching is helpful to promote the innovation of teaching ideas and teaching models, and provide new impetus and direction for the development of education.

2.2 Micro course teaching promotes the reform of classroom teaching in Colleges and Universities

Compared with the traditional teaching mode, micro-curriculum pays more attention to the students' own understanding and analysis. Pre-class preparation and data collection have become an indispensable part of micro-curriculum education. Micro-courses can be widely used with the help of the powerful communication ability of network information technology and the ability to share resources on the internet without being limited by time and space. The emergence of micro-courses has brought new enlightenment to higher education, provided a good platform for inquiry learning and autonomous learning, and promoted students to give full play to their subjective initiative and innovative thinking, thus promoting the development of self-aesthetic consciousness and aesthetic concept, and finally improving the level of higher education. Students' preparation before class can not only improve students' subjective initiative, but also greatly reduce teachers' teaching pressure. At present, network teaching has a great impact on traditional teaching, and the penetration of micro-curriculum concept into college education will inevitably make the traditional education model not only give full play to its advantages, but also reflect the changing spirit of the times, so that college classroom teaching can cope with the challenges of network teaching more effectively [11]. The application of micro-curriculum concept in university education conforms to the new curriculum reform standards and the development needs of quality education in China, and can rationally allocate various teaching resources and realize resource sharing. Micro-curriculum has an immeasurable impact on college education, which takes college classroom teaching as its main teaching content, and takes comprehensive intuition and creativity as its teaching principle, and on traditional college education, which takes schools as its main body and takes classes as its unit. Therefore, it is necessary to break new ground and seek and explore the teaching reform of college classroom teaching.

3. Construction of "Micro-course" Teaching Mode in Colleges and Universities

With the addition of micro-teaching, the teaching contents, teaching methods, teaching skills, teaching modes and other aspects of college classroom teaching have changed. Some teachers have gradually formed a set of fixed teaching thinking and methods in the years of college education. It is a great challenge and change for these teachers to apply the concept of micro-curriculum to higher education. Instead of collecting a large amount of teaching materials before class, teachers can assign tasks to students and share information with students during

class. Under this education system, students are often in a passive position. The concept of micro-curriculum meets the requirements of China's educational development, which is conducive to promoting the reform and innovation of classroom teaching in colleges and universities, implementing the teaching concept of cultivating students' autonomous learning ability, and making effective use of science and technology to create suitable teaching situations. The research of micro-curriculum is not only a teacher's teaching inquiry, but also a cooperative collective research, so in the design process of micro-curriculum, the problems raised should be discussed collectively. In order to give full play to the advantages of micro-course teaching, teachers are required to change their teaching concepts and actively understand the characteristics, operation methods and precautions of micro-course teaching.

The "micro-curriculum" training mode is suitable for the new educational reform. Secondly, focusing on group discussion in the course can not only promote the interaction among students, but also make them realize the importance of independent speech and teamwork. For example, Table 1 shows a survey on the changes of students' learning ability after the "micro-curriculum" mode education.

Table 1 Survey of changes in student learning ability

Change of learning ability	Learning ability has improved	Learning ability has improved greatly	Learning ability remains unchanged
Number of people	102	26	18
Proportion (%)	85.0	21.7	15.0

In the summary of 120 surveys, 85% of students think that "micro course" has improved their learning skills, 21.7% of students have improved their learning skills, and 15% of students think they have retained their learning skills. I can see clearly. Some. It can be seen that "micro course" can not only improve students' learning ability, but also cultivate students' interpersonal communication and communication ability, which can play a good role in improving team awareness. Table 2 shows the students' scores of micro course teaching mode.

Table 2 Students' evaluation of the micro-course teaching mode

Evaluation	Very good	Good	No difference	Traditional classroom is better
Number of people	38	51	19	12
Proportion (%)	31.7	42.5	15.8	10.0

The scientific application of micro-curriculum teaching mode in college classroom teaching is conducive to promoting the development of college classroom teaching. Teachers should make clear the characteristics of micro-curriculum concept, adopt practical and effective measures to build a scientific and efficient teaching mode, and give full play to the positive influence of micro-curriculum concept on college classroom teaching. The "micro-curriculum" teaching mode has made a new breakthrough in the role of teachers and students, changing the dominant position of teachers and the passive subordinate position of students in the traditional teaching mode, and strictly defining the classroom teaching time. At present, the content of micro-curriculum itself is not complete enough. It is based on some simple and fragmented content, which lacks systematicness and perfection, and can not fully adapt to the rigor of higher education itself. The construction of micro-curriculum system needs the joint support of hardware and software. Schools should increase capital investment, build a micro-curriculum network platform, and standardize the micro-curriculum production process and format in the system, so that micro-curriculum can be improved perfectly under the standard conditions [12]. When designing micro-course teaching, teachers should make clear the syllabus and teaching objectives of colleges and universities, adhere to the student-oriented teaching philosophy, design according to the teaching content and students' learning ability, pay attention to the interest and practicality of the course content, and control the proportion of micro-course teaching in teaching. When dealing with a new thing, most people hold a wait-and-see attitude. Therefore, in order to implement the school-based research of micro-curriculum, it is necessary to form an atmosphere of school-based micro-curriculum research, so that all teachers in our school can talk about micro-curriculum in this atmosphere.

4. Conclusions

Integrating micro-curriculum education into college classroom teaching is in line with the requirements of the times, innovative and an important means to break the shackles of traditional education mode. College classroom teaching mode based on micro-curriculum concept meets the needs of current college education development, and helps to improve and optimize teaching concepts and teaching methods, stimulate students' interest in learning,

and enhance students' comprehensive quality. According to the current development of micro-curriculum teaching in Chinese universities, although teachers and students have shown strong interest in micro-curriculum, micro-curriculum has not been introduced into universities for a long time, and many teaching skills are still immature. This paper discusses the innovative strategies of classroom teaching mode in higher education based on the concept of micro-curriculum. Applying micro-curriculum concept to college classroom teaching is not only an innovation and reform of college education mode, but also an effective method to improve teaching quality. When designing micro-curriculum teaching, teachers should make clear the syllabus and teaching objectives of colleges and universities, adhere to the student-oriented teaching philosophy, and design according to the teaching content and students' learning ability. The application of micro-curriculum concept in university education conforms to the new curriculum reform standards and the development needs of quality education in China, and can rationally allocate various teaching resources and realize resource sharing.

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