

Research on Teaching Reform of Computer Course in the Background of MOOC

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Abstract: MOOC (massive open online course) brought the innovation of the traditional computer course teaching mode. This paper starts with the core goal of computer specialty training, discusses the ways to promote the goal of training through MOOC from various angles, puts forward the difficulties and shortcomings encountered in the teaching of teaching, and tries to establish a set of multi-dimensional Mixed teaching methods to improve student learning initiative, fun, to achieve a solid foundation on the MOOC, the classroom step by step overturned classroom mode, and achieved good results. Finally, the paper gives the thinking and suggestion about the construction of computer class in the background of MOOC. Therefore, colleges and universities need to reform the computer curriculum. This paper analyzes the scope, form and characteristics of the lesson, and puts forward the relevant countermeasures.

Key words: MOOC; Computer mixed teaching; Teaching reform

1. Introduction

MOOC(massive open online course) refers to the introduction of some of the participants will be teaching courses video and related resources to use the network published to the Internet for any country in the world of students to learn at the same time, it is entered after the 21st century, the gradual rise of a new curriculum mode. Although there are a lot of people are not very understanding of MOOC, but this does not prevent MOOC in the global development^[1]. MOOC for teachers and students to provide a rich, high-quality teaching resources, therefore, more and more colleges and universities will be applied to the teaching of various subjects, the computer course teaching is no exception, but Mu and traditional teaching mode There is a big difference, which will inevitably bring some challenges to the computer curriculum, so colleges and universities should strengthen the reform of computer courses, lay the foundation for the rational use of MOOC.

Overview of the lesson

1.1 The scope of teaching

MOOC is widely used in science, humanities and social sciences and other disciplines, especially in science disciplines in mathematics, statistics and computer courses for the use of MOOC more in-depth. In the actual teaching activities, MOOC is not linked with the student's credit, diploma and degree card, students are voluntarily choose whether to participate, and participate in the need to pay expensive fees^[2].

1.2 MOOC teaching form

Mu taught in the teaching resources are mainly by the people around the world using the Internet upload to the platform, the professor can be with the students for the same topic or research projects to communicate^[3]. In the course of teaching, MOOC does not make specific requests for students' learning, but weekly MOOC will organize a discussion topic, so that students in this platform to communicate with each other. MOOC structure is relatively small, usually once a week to carry out.

1.3 characteristics of MOOC

MOOC features are: 1) openness. The content of the MOOC content is open, it is by the people around the world will be teaching resources uploaded to the platform, and it is also open to all learners around the world. 2) in linearity. MOOC is through the Internet to build learning platform and carry out teaching activities, to facilitate learners at any time online access. 3) large scale. MOOC for all open, and can be accessed through the Internet, therefore, it has a strong tolerance, it can accommodate tens of thousands of people at the same time, to facilitate the learners through the MOOC to learn. 4) interactivity. With the help of communication tools and social websites, MOOC has created a relatively safe communication space, which provides students with the opportunity to communicate with other learners while ensuring the safety of learners.

2. On the Reform of Computer Course in Colleges and Universities under the Background of MOOC

2.1 Rational planning and sharing of resources

Colleges and universities should strengthen cooperation, the establishment of a unified body to make use of MOOC to make a reasonable plan to ensure that the course can cover all disciplines within the institution subjects while avoiding the phenomenon of repetitive curriculum resources. Colleges and universities should establish a sound declaration, approval and evaluation system, and computer courses related to the quality of resources uploaded to the MOOC platform, as a whole to improve the quality of resources. Colleges and universities should establish a good relationship of cooperation, share the quality of teaching resources to make up for some of the lack of resources within the university phenomenon, for all colleges and universities to provide online learning opportunities. Colleges and universities can be implemented between the mutual recognition of credit, improve the efficiency of learning and learning the quality of students to stimulate students interested in Mu. With the increasing number of students studying online, the teaching resources on the MOOC platform are constantly enriched, and the teaching time of teachers in colleges and universities is shortened, and it is involved in the construction work of the course. At the same time, the increase in the number of students studying online will inevitably lead to an increase in the demand for online assistants. To solve this problem, some teachers in the institution will need to take up the duties of online assistants, while the other teachers will be responsible Online learning inconvenient experimental courses. To clear the division of the work of teachers, to strengthen cooperation between institutions, in the network resources and teachers to share resources on the basis of strengthening the computer curriculum reform.

2.2 will be online and offline learning and assessment methods combined

The use of MOOC online learning characteristics can effectively alleviate the teaching burden of college teachers to improve the efficiency of teaching, and offline teaching can fully understand the overall situation of students, so colleges and universities in the reform of computer courses, you can line and line this The combination of the two learning methods ensures the time of online learning by developing detailed plans for online learning. When students encounter some common problems during the online learning process, teachers can focus on teaching through the line to help students solve, for some difficult problems, teachers can also learn through the line to explain in detail for the students, Analyze problem. Moreover, the use of offline teaching for students and teachers to provide face to face communication and communication opportunities, help teachers and students to conduct a good interaction between. In addition, through the focus of teaching can be better to carry out practical learning activities in the computer course, practical courses are essential, it needs to rely on the real laboratory to carry out, and focus on teaching can provide students with the required Conditions

and environment. The use of centralized teaching will help teachers to conduct a comprehensive understanding of students, including learning motivation, attitude, etc., to ensure that the results of curriculum evaluation can be more reliable. Colleges and universities should also use the offline examination of the way to the actual ability of students to examine; in particular, some online inconvenient assessment of the project, through the examination can clearly understand the students grasp the situation.

2.3 Optimize the evaluation structure

Course evaluation helps to motivate students 'interest in learning and promote students' rational adjustment of their learning methods and attitudes. A positive evaluation of the student's learning allows students to feel the pleasure of learning, to stimulate the enthusiasm of learning, improve students' ability to work together and self-learning. In the computer course in the use of MOOC can be online and offline evaluation of the combination of the line for students to focus on learning, you can give full play to the role of emotional factors to improve the enthusiasm of students, correct students learning attitude, for online learning Of the students, you can use the MOOC platform on the mutual evaluation function to allow students to evaluate each other, so that students in the evaluation of others at the same time to better understand themselves. In addition, teachers can also use the "teaching and learning separation" of the evaluation methods, in conjunction with the students of the examination results, stage tests and the usual three aspects of the basis of the objective evaluation of the students.

2.4 improve the professional level of computer teachers

Now the Internet has become a part of people's daily life, as a computer teacher in the university, should actively follow the trend of the times, advancing with the times, and constantly improve their professional level, update and enrich their own professional knowledge and skills. Teachers not only to computer knowledge through the explanation, presentation and other methods passed to the students, but also need to teach students to learn the methods and techniques. Today, the world has entered the information age, the Internet to the people's life has brought a wealth of information, but most students did not receive the management of information, so face a lot of information, they are often helpless, difficult to pick out from the useful The correct information, so, in the use of MOOC, the computer teachers need to help students learn to sort out the information, sort out ideas, so as to better study computer courses.

2.5 strengthen the professional basis of students

In the modern computer course, the operation skills occupy a very important position, especially for the computer software operation skills are more important. However, in the teaching of English, the ability of students to use English knowledge as a whole is at a low level, and the computer in the development process, the use of the computer in the development process, the use of the computer in the development process, the use of the computer Most of the development language and software are in English, which has caused some obstacles to the study of students. Therefore, before the teaching of computer courses, colleges and universities should increase their English classes so that students can improve their ability to use English knowledge. In addition, colleges and universities in carrying out computer teaching activities should also be theoretical knowledge and practical cases combined to improve students' ability to operate.

3. Concluding Remarks

All in all, now MOOC development is very rapid, the college computer curriculum in the traditional teaching philosophy caused a certain impact in promoting the reform of teaching mode has played an important role. Colleges and universities should establish cooperative relations with other colleges and universities, share high quality resources, and combine online and offline learning and evaluation methods, and strive to improve the professional level of teachers and students' English proficiency, for the computer course MOOC platform full Use the foundation.

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