

Analysis of the Core Teaching Ideas of Educational Psychology from the Perspective of Massive Open Online Course

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Abstract: Massive open online course (MOOC), as a large-scale open network teaching mode, has become a “beacon” in the frontier field of education. It has not only expanded the application of massive open online course model in educational psychology, but also realized the extension of traditional classroom; meanwhile, it has effectively improved the teaching effect of educational psychology. Based on the reality of massive open online course's teaching mode, this paper introduces massive open online course's content, characteristics and advantages by means of interview, data consultation and experience summary, and on this basis, analyzes massive open online course's influence and application on educational psychology, and provides some personal shallow thoughts for the purpose of being helpful to reality.

Keywords: Massive open online course; Educational psychology; Teaching research

1. Introduction

China's “14th Five-Year Plan” requires “accelerating the construction of a high-quality education system”. The innovation of Internet information technology has injected new vitality into the field of education and promoted the development of massive open online course. Expanding the application of massive open online course in the teaching of educational psychology not only promotes the teaching effect, but also meets the requirements of the development of the times for building a high-quality education system and meets the needs of the people for high-quality education services. However, we should concern that the application effect of educational psychology in massive open online course is still not prominent enough, and there is still great room for improvement. Therefore, continuous research and exploration are needed to further enhance the “adhesion” between educational psychology and massive open online course, promote the in-depth reform of educational psychology teaching and realize the high-quality development of teaching.

2. Related Concepts

The exploration and research of things begins with the basic definition. At the beginning of the thesis, we briefly introduce the concepts of massive open online course and educational psychology.

The first is the concept of massive open online course. Massive Open Online Course is translated from English massive open online course, also referred to as “MOOC”, which literally means a large-scale open online teaching course. Specifically, it refers to providing convenient teaching services to target audiences such as teachers and students by uploading teaching videos or conducting live video broadcasts on the Internet platform. The so-called educational psychology refers to studying the psychological changes of human beings in learning and education under the educational environment by expounding the basic psychological laws of learning and education, so as to dialysis human educational psychology and promote the improvement of teaching quality and efficiency and the realization of teaching objectives. “Educational Psychology”, as an important branch of psychology, are important basic courses in the curriculum system of normal education, which play a key role in cultivating high-quality teachers in primary and secondary schools and even serving basic education as a whole [2].

The relationship between massive open online course and educational psychology is like a megaphone to a lecturer. They are the relationship between initiatives and goals. Of course, the megaphone of massive open online course is the product of the integration of Internet information

technology and education in the new era, and the effect it can achieve is far greater than the traditional teaching mode.

3. The Characteristics of MOOC and Its Advantages Compared with Traditional Teaching.

Massive open online course and educational psychology are briefly introduced above. Next, we dissect the “megaphone” massive open online course and analyze its characteristics and advantages, so as to clarify its internal roots in promoting the innovation of educational psychology teaching mode. Based on the author’s teaching experience and investigation results, massive open online course has two main characteristics, one is to share teaching resources, and the other is to interact with teachers and students. Specifically, massive open online course carries out teaching in the form of uploading recorded videos to online platforms or conducting live online broadcasts, which provides more choices and richer resources for the target and promotes the sharing of resources to the greatest extent. Furthermore, different from the traditional classroom teachers’ unilateral knowledge transfer to students, the teaching subjects in massive open online course are not limited to teachers, and students can also share their learning experiences and experiences online, which is transformed from unilateral transmission to teacher-student interaction, so as to realize the optimal education mode.

From these two characteristics, compared with traditional classroom teaching, massive open online course has three advantages.

3.1. Sharing of high-quality resources brought by science and technology.

The third scientific and technological revolution is rolling forward, and the development of Internet information technology promotes the dissemination and storage of traditional knowledge. Massive open online course, born on the basis of Internet information technology, has achieved the dissemination and sharing of global famous teacher resources and knowledge in various fields in a more open form by setting up educational information cloud platforms such as MOOC China, massive open online course Net and MOOC of China University, or by using database functions such as Baidu Cloud and Thunder Cloud Disk, which has greatly broken through the limitations of knowledge resources caused by single teacher teaching in traditional classrooms.

3.2. Provide more convenient education services.

In the traditional teaching of educational psychology, teachers often instill knowledge points into students through intensive and cramming teaching methods. However, this teaching mode is not conducive to cultivating students’ independent innovation ability, and it is also not conducive to students’ independent, conscious and spontaneous learning. However, based on massive open online course, students can study independently and spontaneously, which is undoubtedly an advanced teaching method, and also reflects the characteristics of humanized teaching. At the same time, the emergence of massive open online course also allows students to order video courseware anytime and anywhere. Students can order video courseware infinitely for knowledge points that are difficult to understand and incomplete, and focus on repeated learning.

3.3. Strengthen the interaction between learning and teaching subjects

In the traditional teaching of educational psychology, teachers often spend a lot of time preparing for the course filing and case collection, and then teachers give lectures in the course, with little communication between students and teachers. But now with massive open online course as the “communicator”, the way of preparing lessons for teachers has changed, and the workload of preparing lessons is less. In this way, it is more conducive to the interaction between teachers and students. What’s more, massive open online course has also strengthened mutual assistance and learning between students, forming a good atmosphere of teacher-student communication and student mutual assistance.

4. The Influence of Massive Open Online Course’s Embedded Educational Psychology Teaching

The characteristics and advantages of massive open online course are clarified. In the third part of the thesis, we will analyze the innovation of teaching mode brought by massive open online course for the course of educational psychology. The author mainly expounds from the following aspects.

4.1. Realize the transformation of educational goals

In the traditional classroom of educational psychology, teachers play a major role in teaching activities by following a certain syllabus and taking a certain teaching goal as the leading factor. This teaching mode with a single syllabus, a single goal and teachers as the main factor has greatly affected the further improvement of teaching effectiveness. However, the application of massive open online course's model in educational psychology can change this situation well. Massive open online course of educational psychology is no longer restricted by the syllabus of traditional classroom teaching materials, and teachers can play it more freely; At the same time, in order to "drain", teachers will also take the initiative to improve the quality of teaching, thus attracting more learners to watch, which also means the transformation of traditional education from teacher-led mode to student-led mode. On the other hand, under the background of massive open online course, learners are not only aiming at taking exams, obtaining corresponding credits and obtaining corresponding qualification certificates, but also aiming at sharing knowledge and improving their comprehensive quality, thus realizing the multi-level development of educational psychology teaching objectives [3].

4.2. Promote the emergence of flip classroom teaching mode.

Under the massive open online course model, students learn more about educational psychology outside the classroom and on the Internet platform, while the campus classroom has become the discussion and exchange between teachers and students on some key and difficult issues of educational psychology. Teachers play a more confusing role in the classroom, which is the so-called flip classroom teaching model. Flipping the classroom subverts the traditional forms of knowledge learning and knowledge imparting. Students' independent learning and independent testing not only improve the teaching effect of educational psychology, but also help students' individualized development.

4.3. Teaching activities tend to be diversified.

As mentioned above, the traditional teaching of educational psychology is more about one-way knowledge transfer from offline teachers to students. The development of massive open online course has realized the integration of various teaching resources, teaching modes and teaching means. Through online education and interactive teaching experience, massive open online course has provided students with a variety of learning ways, changed the boring "spoon-feeding" teaching in the past, and greatly stimulated students' interest in learning.

4.4. Change the traditional examination methods.

In the past, the examination methods were final examination and off-line examination, which were not flexible enough, and students' ability could not be fully measured only by one score in the final exam. Educational psychology is different from most science and engineering majors, and it does not need strict logical reasoning and calculus. Therefore, the assessment method can be different from the traditional one, so as to adapt to the teaching method in massive open online course. The combination of online and offline and the usual regular assessment can also be used as the basis for the final assessment. For example, in December 2022, Peking University issued an examination arrangement through WeChat, clearly stating that the final examination of the new semester was conducted by combining online and offline to ensure that students who were not in school due to the epidemic could participate in the examination normally.

5. Some Thoughts on the Deep Application of MOOC in Educational Psychology.

The application of massive open online course has brought many beneficial effects on the teaching of educational psychology, which meets the needs of the times for the high-quality development of educational psychology. Therefore, in the last part of the thesis, the author will put forward some suggestions on deepening the application of massive open online course in the teaching of educational psychology on the basis of the above summary.

5.1. Construct a new knowledge system of educational psychology that is suitable for massive open online course.

The traditional syllabus of educational psychology is based on the environmental characteristics of campus classroom teaching, and its compatibility with massive open online course model is not satisfactory. Therefore, it is necessary to construct a new knowledge system of educational psychology that is suitable for massive open online course. The construction of a new knowledge system of educational psychology should not be limited to the rules of books and textbooks, but should fully absorb the advantages of all kinds of resources, conform to students' learning rules and development needs, and give full play to the advantages of Internet information technology. The construction of knowledge system should not be limited to one textbook, but should fully absorb the advantages of other textbooks and various resources, thus building a new knowledge system covering macro education, micro education, family education and history education.

5.2. Guarantee the application of massive open online course teaching mode of educational psychology through normative construction.

The construction of massive open online course of educational psychology needs to follow certain norms, no matter from the teaching rules of educational psychology courses or from the development and application of Internet information technology. On the one hand, we should follow the law and experience formed in the long-term teaching of educational psychology and conform to the curriculum characteristics of educational psychology; What's more, it is necessary to follow the general norms of massive open online course in the development and application of Internet information technology, mainly including media format requirements, basic information coding rules, production process and requirements, resource access and information security. Through normative construction, the long-term development of educational psychology in massive open online course will be guaranteed.

5.3. Build diversified learning methods as a supplement to massive open online course.

Massive open online course plays a powerful role in improving the teaching effect of educational psychology, but there is still a certain gap between massive open online course and high-quality educational psychology teaching services, so it is necessary to build diversified learning methods to supplement it. For example, on the basis of massive open online course, after-school quizzes can be developed to test students' learning achievements; You can also establish an online learning community to provide a platform for students to communicate and discuss after class; Or, we can carry out "micro-class" teaching, and use short videos to explain the key and difficult knowledge of educational psychology to help students understand and consolidate their knowledge [4].

5.4. Improve the construction of teaching mobile carrier in massive open online course.

In recent years, especially under the influence of the epidemic, education is in transition, online education is rising rapidly, and online teaching platform is becoming more and more perfect. Massive open online course has gradually become the trend of mobile learning in the future. However, at present, most of massive open online course's educational psychology is taught on the pc side, which has certain space and time constraints. Therefore, the author proposes to improve the construction of teaching mobile phones and tablet mobile terminals in massive open online course, so that students can use mobile devices to acquire learning knowledge of educational psychology at any time and place spontaneously, and further improve the depth and breadth of teaching.

6. Conclusion

In summary, massive open online course has broken the traditional classroom education mode of educational psychology, let knowledge go out of the classroom and come online, so that the target group can enjoy high-quality education services anytime and anywhere, which greatly improves the teaching effectiveness and quality. In the next step, we should further deepen the application of the new achievements of Internet information technology in the teaching of educational psychology, constantly adhere to and develop the teaching mode and system of educational psychology in massive open online course, make contributions for a long time, promote the development of education with the innovation of science and technology, and promote the improvement of national quality with the development of

education.

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