

# Practice and Application of Online Open Course Construction in Local Colleges and Universities

Xiaolong Li<sup>1</sup>, Bingjie Li<sup>2</sup>

<sup>1</sup>School of Water Conservancy and Construction Engineering, Shihezi University, Shihezi 832000, Xinjiang, China.

<sup>2</sup>Department of Infectious Diseases, the First Affiliated Hospital of the School of Medicine of Shihezi University, Shihezi 832000, Xinjiang, China.

Fund Project: Shihezi University Youth Innovative Talent Cultivation Program( Project number: KX00860105); Key projects of education and teaching reform in Shihezi University(JGZ-2019-07), New engineering project of the Ministry of education of the people's Republic of China(E-TMJZSLHY20202157).

---

**Abstract:** This paper briefly introduces the construction principles of online open courses in local colleges and universities, analyzes the problems existing in the construction of online open courses in local colleges and universities, and discusses the effective measures for the practice and application of online open courses in local colleges and universities, so as to clarify the necessity of the construction of online open courses, give full play to modern computer information technology and adapt to the Internet. In order to promote the sustainable development of local higher education, we need to change the traditional teaching mode, break through the limitation of time and space, and achieve effective online and offline integrated education.

**Keywords:** Local Universities; Online Open Courses; Construction; Practice; Application

---

The 21st century is an Internet era. Computer network technology is widely used in people's life, which has changed people's production and life style, and also brought new opportunities and challenges to all walks of life. Under this background, local colleges and universities should also adapt to the new environment, give full play to the role of modern information technology, creating "Internet +" education mode, and strengthen the construction of online open courses in local universities. The construction of online open courses in local colleges and universities is very necessary. It not only meets the requirements of deepening the reform of education and teaching in China, but also helps to integrate the educational resources of colleges and universities, enhance the level of nationalization and enhance the influence of colleges and universities.

## 1. The construction principles of online open courses in local colleges and universities

In the construction of online open courses in local colleges and universities, the following principles should be followed: first, the principle of platform priority should be followed. It means that the first step in the construction of online open courses is to build a network platform, use science and technology to enrich the functions of the network course platform, and constantly expand the curriculum education resources in the platform. In the construction of the platform, local colleges and universities should combine their own financial capacity and technical conditions to create a unique curriculum platform based on the characteristics of university teaching; second, we should adhere to the principle of independent construction. Local colleges and universities should take the independent construction of online open courses as the center, with the assistance

of various colleges and departments, and appropriately introduce the off campus online courses, which cannot put the cart before the horse, so as to highlight the educational characteristics of the school itself and improve the autonomy of online open courses; third, follow the principle of practical sharing. It means that the online open course should be practical and should be constructed according to the actual learning needs of students in local colleges and universities, so as to truly play the teaching role of online open course, rather than formalization. At the same time, we should also realize the sharing of educational resources and constantly expand the scope of educational resources <sup>[1]</sup>.

## **2. Problems in the construction of online open courses in local colleges and universities**

At present, there are still some problems in the construction of online open courses in local colleges and universities, which need to be further solved. The main problems are as follows: first, some local colleges and universities do not realize the necessity of the construction of online open courses, only focus on the teaching of offline courses, and do not give full play to the role of modern information technology, combining offline education with online education. On the one hand, the reasons for this situation come from the lack of awareness of online open courses, on the other hand, some local colleges and universities have insufficient funds and technical conditions. Therefore, some local colleges and universities do not build their own online open curriculum platform, but directly introduce other schools' curriculum platform, which is lack of autonomy, and cannot highlight their own teaching characteristics; second, the current online open curriculum construction means are too single, the online open curriculum system is not perfect, and most local colleges and universities only focus on the core MOOCS. However, they ignore the introduction of elective majors, and don't give full play to the auxiliary role of various departments; thirdly, the quality of online open courses constructed by local colleges and universities can be further strengthened, and it is necessary to formulate a sound quality management system to guarantee it, so as to create more excellent courses <sup>[2]</sup>.

## **3. Effective measures for the construction and application of online open courses in local colleges and universities**

### **3.1 Construction of SPOC course platform in colleges and universities**

In the process of construction and application of online open courses in colleges and universities, the traditional teaching mode should be changed, not only combining online education with offline education, but also integrating flipped classroom. This is because when students watch the online open course video, they are not willing to listen to the same content explained by teachers, and teachers are not willing to repeat the same content of online video teaching in the limited classroom teaching time. This kind of mixed teaching mode is the inevitable trend of the development of modern higher education. It has great flexibility and can bring more convenience for teachers and students and improve students' learning efficiency. Colleges and universities at home and abroad have begun to pay attention to the mixed teaching mode curriculum design, as an important part of the long-term planning of higher education. Therefore, in order to give full play to the effective role of online open courses, local colleges and universities should build their own SPOC course platform, optimize the allocation of university resources, and integrate their course resources into the platform, in order to formulate appropriate mixed teaching plans according to the educational characteristics of colleges and the actual situation of students, set up a scoring system to do a good job of relevant summary and evaluation, and timely find out the deficiencies, as well as take targeted measures to improve. Local colleges and universities can use part of the funds to support the construction of SPOC course platform, and its service object is all students in colleges and universities. Under the guidance of MOOC concept, under the guidance of MOOCS concept, we should apply modern computer information technology, construct online open courses for colleges and universities, and formulate scientific teaching objectives, so as to optimize teaching contents, enrich teaching forms, and carry out multi-dimensional teaching evaluation, as well as improve the level of higher education and cultivate more excellent talents<sup>[3]</sup>.

### **3.2 Enriching the construction means of online open courses**

The construction of online open courses in local colleges and universities needs a lot of curriculum resources to support, which requires local colleges and universities to increase capital investment and reasonably plan high-quality teacher resources. In the process of practical application, diversified measures should be taken to strengthen the construction, not only one way,

but also classified management and multi-channel construction. MOOC can be regarded as the core of the construction of online open courses, concentrate on creating characteristic courses of local colleges and universities, and give full play to the advantages of local colleges and universities, in order to select high-quality courses with strong teachers as the foundation for the preliminary construction of online open courses. In addition to the construction of core advantage courses, local colleges and universities can give full play to the resources of each department, divide the online open course construction tasks and objectives, and assign them to each department, in order to adopt diversified ways to encourage each department to build auxiliary network courses and self build micro courses, and enrich the online open course system <sup>[4]</sup>. At the same time, combined with the discipline categories of various specialties in colleges and universities, we can also introduce high-quality online open courses according to the actual needs of colleges and universities. However, it should be noted that in general, the introduced online open courses are optional majors. For example, when constructing online open courses in a local economic and management university, the construction of MOOC focuses on accounting, finance, management and other courses, and also sets up university characteristic courses, such as cooking, computer and so on. The number of online courses in each department is also very large, and online course resources such as pre Qin philosophy and mathematical thought are introduced.

### 3.3 Guaranteeing the quality of online open courses

In order to give full play to the application effect of online open courses in local colleges and universities, it is necessary to ensure the quality of online open courses. On the one hand, it is necessary to clarify the construction objectives of online open courses and formulate unified standards according to the actual needs of colleges and universities. On the other hand, it is necessary to optimize the organization system of online open courses and formulate a perfect practice management system of online open courses. In addition, it is also necessary to establish a sound system of online open courses online open course evaluation system, get accurate feedback, and constantly improve <sup>[5]</sup>. At present, both the number of online MOOCS and the number of online open courses selected as national excellent products are very considerable, but there is still a lack of uniformity in standards. When constructing online open courses, local colleges and universities should follow the corresponding principles, implement the relevant instructions of the education department, and put forward standardized construction requirements, so as to improve the quality of online open courses. We can integrate market mechanism into the construction of online open courses, strengthen the cooperation between local universities and enterprises, and encourage more excellent teachers to innovate and create, so as to stimulate their enthusiasm to open online courses, produce more high-quality online open courses, and enrich university education resources. To strengthen the promotion of online open courses, we can implement the corresponding management according to the different subjects and categories of online courses, improve the course management system, and establish a scientific evaluation feedback mechanism, in order to comprehensively control the quality of online open courses in colleges and universities.

## 4. Conclusion

In a word, it is necessary for local colleges and universities to build online open courses. We should start from the characteristics of colleges and universities, give full play to modern science and technology, and build a suitable online course platform for students, so as to realize effective online and offline integrated education.

## References

1. Tian L, Jiao B, Zhu H, Li Y. Thinking and practice on the construction of online open courses in application oriented universities. *Education and Teaching Forum* 2018; 196-197.
2. Zhang Y, Xin H, Yun G. Construction and application of online open courses. *Think Tank Era* 2019; 281-282.
3. Yuan Y. Exploration on the construction of online open courses in local colleges and universities. *Modern Education* 2016; 47-48.
4. Du W, Sun B. Thinking and practice of online course construction in local colleges and universities. *Private Science and Technology* 2017.
5. Tiao H. Research and practice on the construction of online open courses in local colleges and universities. *Journal of Hubei University of Economics: Humanities and Social Sciences Edition* 2020; 147-149.