Research on Teaching Mode Innovation of Military Vocational Education Based on MOOC

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Abstract. Military vocational education is a continuing education for military personnel. It is an urgent task for military vocational education to cultivate a large number of new military talents with high quality. MOOC (Massive Open Online Course) provides a new means to promote the military vocational education, which will help to promote the formation of military vocational distance education system in our army. This paper discusses the connotation and characteristics of military vocational education, analyzes the MOOC teaching mode of military vocational education, and finally gives the corresponding countermeasures for developing MOOC teaching in military vocational education. In order to actively promote the development of information technology in military vocational education, new ideas and new ways are provided to effectively improve the quality of military personnel.

Introduction

With the rapid development of information technology and the proposal of "Internet Plus" strategy, the traditional education model of military vocational education has undergone subversive changes. Emerging diversified teaching modes such as MOOC, overturning classrooms and mixed teaching have emerged. In particular, MOOC as a new online education model has a huge impact on e-learning and higher education. The US higher education circle compares it with "a digital tsunami" in the history of education. There are also many pathfinder for reform in the domestic higher education sector. They think the MOOC will bring new opportunities for the profound changes in China's education. Therefore, to carry out MOOC course construction and new teaching mode research is an important measure to improve the training system of new "Trinity" military personnel and is of great significance to promoting the innovation and development of military vocational education.

The Connotation and Characteristics of Military Vocational Education

Basic Connotation of Military Vocational Education

Military vocational education is "on-job continuing education for military personnel" and "an open and lifelong learning model of education that is systematically carried out with the aim of enhancing the military skills and professional qualities of military personnel that are oriented toward the needs of the armed forces." Thus it can be seen that our military's military vocational education is a new era connotation for building a contingent of highly qualified military personnel under the goal of strengthening armed forces in the new situation and is a military education innovation that meets the profound changes in our military's force system and fosters the ability to generate operational warfare. It is a vocational education with the characteristics of our army.
Main Characteristics of Military Vocational Education

The military vocational education of our army is closely linked with the training of the military academies and the training of the army, forming a "Trinity" new talent training system [1]. The main features are as follows:

The Focus of Teaching Direction. The military vocational education insists on facing the army, facing the battlefield and facing the future. It insists on the need to prepare for the informational transformation and military struggle around army building and always takes the enhancement of the adaptability of officers and men as the starting point and the foothold.

The Whole Staff of Teaching Object. The military vocational education is aimed at a large number of officers and soldiers, focusing on the ranks of military officers, taking the ranks of soldiers as the main body and giving consideration to the ranks of civilian personnel to meet the needs of talents of all levels and talents.

Applicability of Teaching Content. The military vocational education aims at the future to determine the education goal, set the training standard for the battlefield, and set the learning curriculum for the army. To learn new theories, new equipment, new technologies, new knowledge as the main line, prompting officers and soldiers to upgrade their quality and mission requirements.

Flexibility of Teaching Methods. The military vocational education mainly focuses on autonomous learning, distance learning and individualized learning. It scientifically arranges learning content, time and manner, exerts the advantage of distance education network, straightens the relationship between work and study, and enhances the actual effect.

Virtualization of Teaching Time and Space. This is determined by the common rules of education in the information age and the actual conditions of military education in the post. The highly decentralized military regions require that military vocational education rely on the military comprehensive information network and the military wireless communications network to enable the entire army web site domain name accessibility analysis and access to go beyond the traditional classroom teaching space to build an online virtual teaching space [2].

Military Vocational Education Mode Based on MOOC

MOOC (Massive Open Online Course) is an online course aimed at unlimited participation and open access via the web [3]. In addition to traditional course materials such as filmed lectures, readings, and problem sets, many MOOCs provide interactive user forums to support community interactions among students, professors, and teaching assistants (TAs). MOOCs are a recent and widely researched development in distance education which were first introduced in 2006 and emerged as a popular mode of learning in 2012 [4][5].

MOOC is relying on the network education platform, according to certain teaching objectives, teaching strategies are organized by micro video as the main carrier of presentation of knowledge content, in the specified period of teaching, knowledge teaching, learning experience, interactive seminars, interactive answering, exercises, the appraisal of teaching courses to achieve complete online. As a new online education mode, MOOC courses provide free high-quality educational resources to learners through the Internet. Learners with various knowledge backgrounds and learning motivations can join them. MOOC is not only a new development in the field of distance education, but also a new development of open education concept advocated by open education resources [6].

MOOC is based on online courses. It implements large-scale teaching objects, realizes the idea of student centered, and optimizes video resources, learning paths and evaluation methods. MOOC is a new teaching mode, and its teaching process is shown in Figure 1.
Countermeasures of MOOC Teaching in Military Vocational Education

MOOC has provided a brand new tool for our military to break the space-time obstacle and to promote military vocational education between our connected learning needs and educational resources. It will be conducive to promoting the formation of our military's military occupation distance education system, innovating teaching modes, improving teaching effectiveness, improve education level. We should pay close attention to and study in depth the development trend and impact of MOOCs, actively explore practices and speed up the in-depth integration of MOOC and military vocational education [7].

Constructing the Teaching Content System for Military Vocational Education

MOOC curriculum focuses on the construction concept centered on student learning. The presentation of course content is more conducive to the effective dissemination and autonomous learning of these teaching contents. In order to avoid repetitive construction of teaching resources, it is suggested that the construction of military vocational education and teaching content system should be taken as a guide and MOOC curriculum should be taken as the starting point to formulate catalogs and norms of military vocational education courses and to conduct military training for military academies, research institutes and units MOOC course construction of vocational education, unified organization audit selection, gathering high-quality curriculum resources, MOOC curriculum resources to achieve the all-army sharing.

Constructing MOOC Platform System for Military Vocational Education

To Build MOOC network platform is a systematic project. The need for information security and confidentiality makes it impossible to carry out extensive military vocational education based on the Internet MOOC platform. Therefore, it is necessary to set up a MOOC platform relying on the military comprehensive information network in a synchronized manner. We will give full play to the advantages of the military comprehensive university in information technology, quality education and comprehensive schooling, learn from and make use of MOOC technological achievements at home and abroad, develop our military's MOOC platform technology and development tools, and establish data that will support military occupational quality education throughout the PLA center.

Constructing the Incentive Mechanism for Military Vocational Education

First of all, the MOOC course learning as an important part of military professional quality training for military personnel. Establish the corresponding evaluation and management system of learning, link the academic performance with the assessment of the job posting ability, and promote the serious
study and initiative learning by officers and men to form a strong study atmosphere. Second, the MOOC course teaching as an important responsibility of college faculty. The establishment of MOOC course teaching quality assessment mechanism, the effectiveness of teaching as an important index of promotion of faculty members. Finally, the situation of MOOC is taken as an important part of the evaluation of teaching in colleges and universities. Special funds should be arranged to support the construction of curricula so as to promote the institutions to actively transform the educational resources to the combat effectiveness of the armed forces and make an important contribution to accelerating the development of our military's military vocational quality education [8].

Conclusions
Military vocational education is a brand new undertaking. MOOC is a consistent new education model emerged in recent years. To promote the effective integration of the two is a process in which both opportunities and challenges coexist, and returns and risks co-exist. There is an urgent need to update concepts, innovate ideas, optimize top-level design and strengthen R & D so that bold attempts and steady promotion can be made. We should draw lessons from the successful experiences both at home and abroad and inside and outside the military and actively explore new ways of adapting to the characteristics of our military's military vocational education so as to make its due contribution to pushing forward the transformation of the PLA's military forces into a leapfrog development.

References


