Research on the Innovation and Development of the Construction of "Cloud Class" for Ideology and Politics in Colleges and Universities in the Context of the New Era

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Abstract: The ideological and political theory class based on "cloud class" has the advantages of enhancing the pertinence of teaching content, realizing the sharing of teaching resources, and promoting the wisdom of teaching management. Meanwhile, problems of more complex educational space and weakening of the dominant right of education exist. The study combines the "cloud class" with the innovation and development of the ideological and political theory course in colleges and universities, and combines the real needs of ideological and political education in colleges and universities in the new era. Based on the enhancement of the relevance and effectiveness of ideological and political theory courses in colleges and universities, the article puts forward three innovative paths: strengthening technical training, intelligent management of the teaching of the ideological and political courses; strengthening teaching research, integrating the teaching resources of the ideological and political courses; and making full use of the network technology to expand the diversified ideological and political courses in colleges and universities teaching platform.

1. Introduction

As China's international status improves, it is moving closer to the centre of the world stage, and its influence on each other will become more profound. Threats to the ideological field becoming more complex, establishing a correct worldview, outlook on life and values for students is essential. As socialism with Chinese characteristics enters a new era, the Ideological and Political Courses (Hereafter referred to as "IPC") in colleges and universities are facing new challenges in terms of educational space and dominance of education. How to better play the role of "main formation and channel" of the IPC in colleges and universities still needs to keep pace with the times, constantly

explore, innovate and develop. The IPC is integrated into the whole process of cultivating high-quality talents in the new era, removing the disadvantages of single-structure and stereotyped learning that may have existed in the teaching process in the past, emphasizing quality education, promoting Chinese characteristics in the new era, and further consolidating the status of Marxism as the guiding ideology.

With the development of new-generation information technology such as big data and block-chain. Promoting the deep integration of the IPC of colleges and universities with the new generation of information technology is the way to achieve the informatisation of the ideological and political courses, which has become a must for deepening the reform and innovation of the IPC of colleges and universities in the new era. The "cloud class" is an intelligent, networked platform that breaks through spatial restrictions with the help of new-generation information technology. The cloud platform, intelligent terminal and teaching integration, the creation of class wisdom teaching, in order to achieve through the Internet can be two-way interaction, sharing knowledge of the classroom teaching form [1]. Based on the "cloud class", it contributes to expand the teaching ideas of the IPC, enhancing the effectiveness of teaching.

2. The Main Achievements of the Construction of "Cloud Class" in the Context of the New Era of College and University Ideology and Politics

Under the traditional teaching mode, the teaching of the IPC classes relies more on textbooks, which leads to problems such as a lack of teaching resources, inconsistent quality, slow updating of resources, and non-uniformity of resources. It not only affects the teaching effectiveness of the IPC Theory class, but also creates an overall imbalance in the development of the quality of education. "Enhancing the sense of access to college students' ideological and political courses is of great significance for the implementation of the fundamental task of establishing moral education, as well as for deepening the reform of ideological and political courses in colleges and universities and scientifically evaluating the effectiveness of the construction of ideological and political courses."[2]

College students in the new era, a generation growing up in the popularization of the Internet, have access to the network at anytime and anywhere. Their needs are becoming more and more diversified. In particular, the life style, behaviour, habits and thinking logic of the "Post-00" college students are different from those of the "Post-90" college students. The value orientation of the Post-00s generation is more diversified, being stronger learning autonomy and being more self-centered in their lives. They also show a certain degree of slackness and disinterest in learning the IPC. Even the knowledge and behaviour are not united, and the words and deeds are not consistent. Therefore, the IPC class should pay more attention to the relevance to meet the needs of the growth and life of the teaching object, and need to pay more attention to grasp the changes and characteristics of the teaching object in the teaching process.

2.1. Expanded Pedagogical Content and Space

Using information technology, "cloud class" teaching makes the way of presenting teaching content more diversified and meets the multiple needs of students. Through the "cloud class", students can have a more comprehensive understanding of Marxism-Leninism and so on, learning our guidelines and policies at any time. The content of IPC teaching is no longer limited to books. Meanwhile, the development of new-generation information technology breaks the space limitation. The virtual reality environment becomes visualized. The shared nature of cloud resources makes the resources no longer limited by geography, school. Massive amounts of high-quality resources are shared on the cloud platform. As long as they are interested, not only college students can

appreciate the spiritual power of the IPC, but also social groups can learn, subconsciously stimulating the desire of college students to learn, and enhancing the "stickiness" of the political science course[3].

2.2. Enrichment of Teaching Methods and Means

Under the traditional teaching mode, the teaching environment of the IPC is usually restricted to fixed places and spaces. Moreover, students are always in a passive learning position. The "cloud class" provides an online learning platform for teachers and students. Students can learn anytime and anywhere via the Internet, which is more convenient and flexible. Teachers can release the discussion content at any time through the cloud platform, and connect the hot events with the teaching content. As a result, the communication between students is enhanced, and the absorption of knowledge is completed through interaction and collision of ideas. Students make use of the replay function of "cloud class" to review and consolidate at any time. In addition, with the big data, cloud computing and other technical means, "cloud class" makes the education teaching system gradually towards the management of intelligence. "Cloud class" combines the traditional teaching classroom and virtual reality to provide comprehensive teaching management functions. From curriculum, resource construction to homework, implementation and evaluation, it focuses on the construction of the sense of experience, real-time, sharing, etc.[4]. The whole intelligent management of "cloud class" functions such as signing in, taking leave, answering questions, not only saves classroom time and improves management efficiency, but also adjusts teaching management according to the teaching situation at any time.

2.3. Optimized Teaching Mode

At present, well-known cloud platforms include Super Star Pan-Asia Platform (Learning Through), Rain Class, ICourse, and LanMo Class. Compared with the MOOC type of online open video courses, where videos are recorded in advance and uploaded to the platform for students to learn, the "cloud class" teaching mode pays more attention to comprehensive teaching management (Figure 1). In the before-course learning stage, teachers need to establish a platform for students to learn, such as releasing teaching points, course resources, teaching mind maps, learning tasks, etc. Teachers allow students to preview the course in advance, study independently with the course resources, and understand the course objectives. In the learning phase of the class, the teacher knows the students' difficulties through the student learning feedback on the cloud platform and conducts targeted teaching. At the end of the classroom lectures, teachers can also expand and organize discussions. In the post-course learning stage, teachers use the cloud platform to set and view students' homework, so as to adjust teaching strategies, online marking and timely feedback to students. In addition, teachers can also carry out stage tests through the cloud platform. Students use this to understand their own learning mastery in a timely manner, and check for gaps. In the whole teaching process, process evaluation, discussion, report, etc. can be formed through the classroom enthusiasm. Finally, through the overall knowledge mastery to form a summative evaluation, which is used to carry out the final course grade assessment.

Figure content:

Teacher | Student

Development of syllabuses
Collating the College and University Ideology and Politics Resources
Collection of teaching cases
Adaptation of teaching content
Design of teaching programmes

the before-class learning stage → "Cloud Classroom"
Posting Assignments
Upload Expansion Materials
Online marking of assignments and feedback
Online Question and Answer
Analysis of Teaching Effectiveness
Release phase testing
→ Online self-study / access information / Completion of pre-reading assignments → back information → process evaluation

the learning phase of the class → "Cloud Classroom"
Teaching of ideological and political
Explanation of difficult points
Knowledge points expansion
→ Online check-in / Random call / Course discussion → back information → Formative evaluation

the post-course learning stage → "Cloud Classroom"
Publishing Teaching Content
Publishing Teaching Objectives
Publishing instructional mind maps
Publishing teaching PPTs
→ Read Expanded Materials / Complete assignments and view feedback / check leaks and fill in gaps → Summative evaluation → Course evaluation
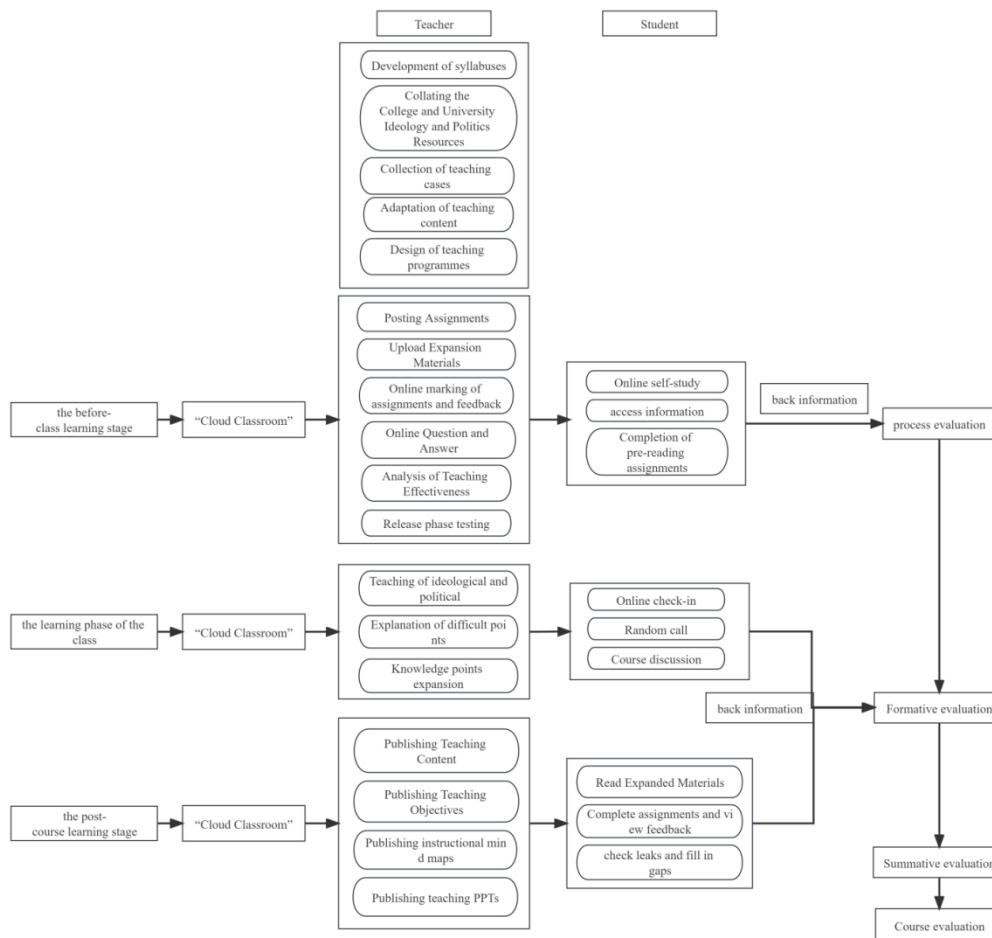
Figure 1: "Cloud Class" Teaching Mode

The networking of teaching resources facilitates the popularity of quality educational resources, the equity and lifelong education of education and the construction of a learning society. "The precise portrait, classified teaching, precise supply and other functions shaped by digital technology offer a new way of thinking for the Ideological and Political Science class in colleges and universities to really enter the mind world of college students."[5]With the help of "cloud class", supported by technology, breaking the campus wall, and realizing the sharing of teaching contents and resources of the IPC in different regions and colleges and universities, it has become a necessary way for the IPC in colleges and universities to keep pace with the times and keep the right and innovative.

3. The Deficiencies in the Construction of "Cloud Class" for College and University Ideological and Political Courses in the Context of the New Era

3.1. Increased Complexity of Educational Spaces

The open and hidden nature of the Internet allows university students to express their views freely. At the same time, foreign media or individuals take advantage of the characteristics of the Internet to avoid monitoring and spread undesirable contents on the Internet. Curiosity drives students to access more information, but students are also easily misled by public opinion, which may affect their correct thinking. Furthermore, certain undesirable cultures and values are

constantly competing with socialist core values or China's mainstream ideology through the Internet, snatching the online audience. As a result, the educational space facing of the IPC has become more complicated. The teaching resources of "cloud class" are complex, and the curriculum is difficult. The virtual learning space makes the face-to-face communication between students reduce. The loss of emotional communication is more likely to cause students' psychological anxiety or irritability, affecting students' mental health.

3.2. Weakening the Leading Role in Education

The teaching of the IPC should explain theoretical knowledge to students through textbooks. More importantly, through the teacher's charisma subconsciously influences students, so that students can deeply feel the charm of the class. Combined with the new information technology can greatly restore the teacher's demeanour and behaviour, but the students who watch in the smart terminal still mostly can only receive the feelings brought by the language. Students are difficult to understand from the teacher's appearance and behaviour to the teacher's inner emotional changes in the process of teaching IPC [6]. Meanwhile, teachers see only their own terminal share, not the real students, when they teach the lesson at the terminal. Teachers cannot judge the teaching effect of the course through their expressions, and cannot grasp the classroom rhythm well, which affects the educational dominance of the IPC.

3.3. The Difficulty of Changing the Teaching Method

In the "cloud class" teaching, the first thing teachers face is how to jump out of the traditional teaching thinking to make full use of the Internet for the IPC teaching. Used to teaching with students as the main body, teachers have to learn how to turn themselves into a person with personalized learning ability before cultivating students' personalized learning ability. Because it involves the uploading of teaching videos and courseware, teachers need to have a detailed understanding of all the functions and specific information of the cloud platform and learn how to use it before class. In the course of lectures, problems arising from the instability of the cloud platform also require teachers to provide timely feedback and solutions, which is a challenging test for some teachers who are not familiar with the Internet. At the same time, the preparation of "cloud class" will take teachers more time outside the classroom in order to select suitable teaching contents for this class from the huge amount of resources on the Internet. For students, although they can adapt well to online teaching, in the virtual and free "cloud class", students can see the teacher, but the teacher cannot see every student. Teachers only count the attendance rate by checking in the number of online students. However, it is impossible to monitor whether the students are attending the class seriously after signing in. Some students' self-control in the face of the Internet is "out of control". During class, they open other web pages at will, or even use other terminal devices to play games or chat, which will affect the effectiveness of the class.

4. Innovative Path of "Cloud Class" Construction for Ideological and Political Classes in Colleges and Universities in the Context of the New Era

The IPC teaching must adhere to the guidance of Marxist theory, and actively explore the teaching methods of the IPC to overcome potential problems. Educators are committed to the innovation of "cloud class" teaching to improve the quality of teaching, to achieve the national high-quality resources sharing, so that the IPC becomes interesting. It is very important for the teaching of the IPC to be more efficient in a limited time. The IPC should teach the theoretical knowledge of Marxism, and more importantly, it should guide students to form the correct values

and know how to take responsibility [7]. At the same time, the teaching of the IPC needs to conform to the changes of the times, advancing with the times, keeping the right and innovating. "Strengthening the digital and intelligent construction of the Great Ideological and Political Class, expanding online resources and space, and making online and offline education and teaching mutually supportive, coordinated and synergistic are the needs of the development of the digital and intelligent era, the inevitable choice of the innovation and development of the Great Ideological and Political Class, and the inevitable requirements for the growth and success of young students."[8] Combined with the above problems faced by "cloud class" teaching, universities need to invest in technical training, teaching research, and educational platform construction.

4.1. Strengthening Technical Training to Intelligently Manage the Ideological and Political Teaching

In the age of the Internet, in addition to teachers, educational management should be more aware of the increasing complexity of the educational environment of the Ideological and Political course. In the management process, they should also follow the trend and manage intelligently [9]. First of all, the education department updates the management concept at any time, and constantly explores the integration of the teaching of the IPC with new information technology. The informatisation of the IPC is the inevitable development of the times. The management department should take the lead in introducing information technology and intelligent management to clear the conceptual obstacles for the informatisation of the IPC education. Secondly, it is necessary to strengthen the infrastructure construction to guarantee intelligent teaching. A smooth network is a prerequisite for guaranteeing smooth teaching. Institutions of higher learning can set up a special web site to ensure that the "Great Ideological and Political" class has a clear and smooth picture without lagging. The use of teaching aid management platform for efficient management, through the analysis of classroom teaching data, grasp the state of the students, and guide the teachers to adjust their teaching methods to improve the quality of teaching. Finally, strengthening the construction of the teaching team and the training of the management team to improve professionalism contributes to ensuring the quality of the IPC education. For example, academic seminars are organized to guide teachers of the IPC to share and exchange and improve their professional skills. Regular training is conducted on the use of information technology and common APPs and other related platforms to ensure the smooth teaching process of the IPC.

4.2. Strengthening Pedagogical Research and Integrating Teaching Resources for Ideological and Political Courses in Colleges and Universities

With the high-speed development of new information technology, the thoughts and behaviors of students in colleges and universities have changed greatly as a result. Therefore, the IPC in colleges and universities must be adapted to the times, fully consider the characteristics of the Internet era and the new requirements of the IPC education, integrate the curriculum resources, achieve curriculum optimization, and enhance the advancement and effectiveness of Civics classes [10]. First of all, enhancing the understanding of resource informatisation of the IPC is important, to improve the construction of resource informatisation. Resource informatisation is the key to promoting the IPC and organically integrating online and offline teaching. Not only can it solidify the main position of classroom teaching, but also fully reflect the sense of the times and enhance the effectiveness. Secondly, make full use of the sharing nature of the new generation of information technology, integrate and optimize the national teaching resources platform for the IPC (such as Superstar, LanMo Cloud Class, etc.), and focus on building the quality of the IPC teaching. For example, in the final evaluation session, collecting students' feelings about the IPC and giving

feedback to the teachers at any time to enhance the quality of class teaching. Finally, joint colleges and universities to create high-quality courses helps to complement each other's strengths. Through the "cloud class" to break through the distance of time and space, with new and vivid learning methods to make more "golden lessons" delivered everywhere, but also to better make up for the gap of educational imbalance.

4.3. Expanding Diversified Teaching Platforms for Ideological and Political Courses by Using Network Technology

Based on the "cloud class", the process of integrating diversified information technology makes the teaching platform of the IPC more diversified. The teaching of the IPC also has more "second classs" as an extension and supplement. In specific practice, teachers can enhance the acceptance of the IPC by the teaching target more specifically. First, to fully understand the needs of students, using the way they are interested in teaching. For example, playing red films makes students interested in the IPC. Teachers then carry out theoretical teaching. It can not only play the leading role of teachers, but also stimulate the initiative of students. If the conditions allow, the school can also use AR technology to restore the scene with high fidelity. Let the students immersed in the scene, a better understanding of the teaching content. Secondly, according to the students, fully consider their growth and cognition, and choose different platforms and resources to teach students according to their needs. For example, according to their growth environment, we can consider focusing the teaching platform on APPs such as Study Pass and Study Power. Or for students who are accustomed to WeChat and microblogging platforms, we can choose to give the subject of this class, so that students can first learn about the learning resources on the network platform, and then the teacher will explain in class. Finally, it is necessary to pay attention to the changing needs of students at any time and innovate teaching methods. The traditional multimedia teaching is no longer attractive to students. When teaching, teachers can add micro-video production, short video eye-catching, theme painting creation and other ways to make students interested in the teaching content according to the needs of students.

5. Conclusion

To sum up, the emergence of "cloud class" brings more possibilities for the teaching of the IPC in colleges and universities in the new era. By means of digitalisation and networking, "cloud class" breaks the geographical limitations, constructing a highly efficient, personalized and interactive teaching platform. It promotes the sharing of teaching resources and the improvement of utilization efficiency, bridges the gap between educational resources and opportunities, and promotes the innovation and development of education. Teachers of politics must make full use of the advantages of the "cloud class", innovating the teaching mode, to educate students into the socialist successors needed in the new era. Of course, students should also actively participate in the programmer to improve their knowledge base, establishing correct values, and taking the initiative to expand the influence of the IPC and spread positive energy.

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