

# How to Utilize the Smart Classroom System to Create an Efficient Classroom for the “Ideology, Morality and Rule of Law” Course

Hao Long\*, Baige Li

Guiyang University, Guiyang 550001, Guizhou, China

\*Corresponding author: Hao Long, 13850156617@163.com

**Copyright:** © 2025 Author(s). This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY 4.0), permitting distribution and reproduction in any medium, provided the original work is cited.

**Abstract:** With the rapid development of science and technology, smart classroom system, as an important part of education information, is becoming an important means to promote teaching reform and improve education quality. As an important part of the ideological and political theory curriculum system in colleges and universities, the course of “Ideological morality and rule of law” shoulders the heavy responsibility of cultivating the correct values of college students. However, there are many problems in the current teaching status of Ideological Morality and Rule of Law, which restrict the improvement of the teaching effect. This paper aims to explore how to use the smart classroom system to build an efficient classroom of Ideology, Morality and Rule of Law in order to promote the quality and efficiency of the course teaching.

**Keywords:** Smart classroom system; Ideology, morality and rule of law; Efficient classroom

**Online publication:** April 2, 2025

## 1. Introduction

Under the background of the era of information and intelligence, the field of education has also ushered in unprecedented changes<sup>[1]</sup>. As the product of modern education technology, smart classroom provides a brand new platform for classroom teaching through the integration of multimedia equipment, network resources, intelligent software and other technical means. As an important part of ideological and political education in colleges and universities, the teaching effect of Ideology, Morality and Rule of Law is directly related to the formation of students’ values, ethics and rule of law, and is of great significance for cultivating high-quality talents with social responsibility and legal consciousness.

## 2. It is necessary to use the smart classroom system to build an efficient classroom

### 2.1. Improve course participation and stimulate students’ interest in learning

The use of smart classroom system can enrich the teaching content of course education, provide diversified

teaching resources, and realize personalized teaching guidance for students through the analysis of big data, so as to stimulate students' interest in learning and provide strong support for the Ideology, Morality and Rule of Law course to build an efficient classroom.

On the one hand, the smart classroom system can provide diversified teaching resources, such as video, animation, audio, etc., which can attract students' attention, help students intuitively and vividly understand the course content, and stimulate their learning interest in Ideology, Morality and Rule of Law <sup>[2]</sup>. By playing short films related to the course content, it can trigger students' thinking on social phenomena, guide them to explore and discuss in combination with relevant theories of the course, and thus improve students' participation in the course teaching. On the other hand, the smart classroom system can help teachers understand students' learning situation and learning problems through data analysis, provide teachers with personalized teaching suggestions, make classroom teaching more in line with students' learning needs, and thus improve teachers' classroom teaching effect. For example, according to the learning data of students in the smart classroom system, teachers can adjust the teaching content and teaching methods, and increase the teaching links that students are interested in to improve their learning enthusiasm.

## **2.2. Innovating curriculum teaching methods to improve teachers' teaching efficiency**

In the traditional teaching mode, teachers need to spend a lot of time to prepare lessons in advance, which increases their work burden <sup>[3]</sup>. In this regard, the smart classroom system can reduce the burden of teachers and improve their concentration in curriculum teaching through technical means. First of all, the smart classroom system can realize the efficient integration of teaching resources. Teachers can collect a variety of teaching resources through the smart platform to enrich the classroom teaching content. In the course "Ideology, Morality and Rule of Law," teachers can use the multimedia wisdom system to integrate case videos related to the course content, guide students to have group discussions, and deepen their understanding of knowledge points. Secondly, the smart classroom system can use a variety of teaching methods.

## **2.3. Broaden the scope of curriculum knowledge and enhance students' comprehensive literacy**

By connecting with Internet information resources, the smart classroom system can introduce rich teaching resources and real-time information update into classroom teaching. When designing the course of Ideology, Morality and Rule of Law, teachers can not only update the content of the textbook in real time, but also extend the knowledge points of relevant theories and deepen their understanding and insights of theoretical knowledge by combining social current affairs. It allows students to discuss and analyze in class, cultivates students' critical thinking and analysis ability, and helps students broaden their scope of knowledge <sup>[4]</sup>. In addition, the use of the smart classroom system will help teachers break down the barriers between disciplines and realize interdisciplinary teaching. By combining the knowledge system of multiple disciplines, teachers can design curriculum teaching activities that can promote the improvement of students' comprehensive quality to train students to solve problems with a multi-perspective and multi-faceted thinking mode <sup>[5]</sup>.

# **3. The classroom teaching status of Ideology, Morality and Rule of Law under the smart classroom system**

## **3.1. The form of classroom teaching is relatively simple**

At present, under the influence of traditional teaching concepts, some colleges and universities still adopt

relatively simple teaching forms in the classroom teaching of Ideology, Morality and Rule of Law, which limits the improvement of the teaching effect to a certain extent <sup>[6]</sup>. The traditional teaching method is usually based on the teacher's classroom teaching, and students can only passively accept the indoctrination of knowledge, ignoring the main position of students in teaching, and the lack of effective interaction and communication between teachers and students, which leads to low participation in class and low interest in learning. This single form of teaching not only affects students' mastery of knowledge, but also limits students' active thinking in class, which is not conducive to the cultivation of students' comprehensive literacy.

### **3.2. Teachers' intelligence and information literacy is low**

Under the current smart classroom system, the teachers of "Ideology, Morality and Rule of Law" have low smart information literacy, which has become an important factor restricting the construction of an efficient classroom <sup>[7]</sup>.

On the one hand, some college teachers are not skilled enough in the technical operation of the smart classroom system, and cannot make full use of various functions in the smart classroom system, such as interactive platform, resource library, data analysis tools, etc. For example, when using the resource library, it may be difficult for teachers to select high-quality teaching resources, which will affect the richness and diversity of teaching content. On the other hand, under the influence of traditional teaching concepts, some teachers have insufficient knowledge and understanding of the smart classroom system and cannot deeply integrate information technology with curriculum content. At this stage, although some teachers can use the smart classroom system to carry out basic teaching activities, they often stay on the surface and fail to deeply explore the role of the smart classroom system in curriculum teaching <sup>[8]</sup>

### **3.3. The infrastructure of the smart system is not perfect**

The improvement of smart system infrastructure is an important guarantee for the effective operation of the smart classroom system. However, there are still many shortcomings in the construction of smart system infrastructure in the teaching of Ideology, Morality and Rule of Law <sup>[9]</sup>.

#### **(1) The hardware infrastructure is backward**

Due to the lack of awareness of the smart classroom system, some schools have not invested enough in the construction of smart classrooms, resulting in aging hardware equipment and low performance, which cannot meet the needs of smart teaching. In addition, in the classroom teaching of "Ideology, Morality and rule of Law," the instability of the network environment will also lead to problems such as video playback delay and slow loading of online resources, which seriously affect students' classroom experience.

#### **(2) The software support of the smart classroom system is low**

Although some schools are equipped with advanced hardware equipment, they lack corresponding software support, resulting in inefficient use of equipment. Moreover, the management mechanism of the smart classroom system is not perfect <sup>[10]</sup>. Although some schools have introduced the smart classroom system, the lack of maintenance and update of the system leads to many problems in the use and maintenance of the equipment, which cannot meet the teaching needs.

## **4. The use of smart classroom system to create efficient classroom strategies**

### **4.1. Strengthen the training of teachers' skills and improve their comprehensive literacy**

Under the smart classroom system, the efficient classroom construction of "Ideology, Morality and Rule of Law"

course cannot be achieved without the support of high-quality teacher construction. As the guide of curriculum design and implementation, teachers' information literacy and teaching ability directly affect the teaching effect of the curriculum<sup>[11]</sup>. Therefore, strengthening the training of teachers' skills and improving their comprehensive literacy are the key to building an efficient classroom.

- (1) Colleges and universities need to carry out regular information technology training to improve teachers' application ability of information technology

The smart classroom system integrates advanced information technologies such as multimedia teaching equipment, network resource platform and intelligent teaching software, providing teachers with a wealth of teaching tools<sup>[12]</sup>. However, some teachers have low information literacy, lack of understanding and mastery of information technology application, and cannot give full play to their teaching role. To this end, schools can invite experts to teach professional skills to help teachers master the functions of the smart classroom system, use information technology more skillfully, design teaching activities in line with the characteristics of the curriculum, to stimulate students' interest in learning and improve the efficiency of classroom teaching.

- (2) Colleges and universities need to encourage teachers to participate in teaching and research activities to help teachers complete the updating of teaching ideas and innovation of teaching methods

The smart classroom system provides teachers with a broader teaching platform, and also puts forward new requirements for teachers' teaching concepts and methods. Teachers should actively participate in teaching and research activities, discuss the teaching difficulties and hot issues of the course "Ideology, Morality and Rule of Law," share successful teaching cases, and jointly explore the teaching strategies under the smart classroom system<sup>[13]</sup>.

- (3) Colleges and universities need to establish and improve the teacher evaluation mechanism to encourage teachers to constantly improve their quality

Through the establishment of the scientific and reasonable teacher evaluation mechanism, the application ability of information technology, teaching innovation ability and teaching effect are taken as important indicators of teacher evaluation. Colleges and universities can arrange regular teaching evaluation, timely feedback of teachers' teaching performance, help teachers find the shortcomings of teaching methods, formulate teaching programs that meet students' learning needs, so as to improve teaching efficiency. At the same time, schools should commend and reward teachers with excellent performance, stimulate the enthusiasm and creativity of teaching, and build a good teaching atmosphere.

## **4.2. Introduce new information technology and create curriculum teaching scenarios**

The introduction of new information technology into the smart classroom system can not only enrich the teaching means and improve the teaching efficiency, but also create a more vivid and real learning scene for the course "Ideology, Morality and Rule of Law," so as to stimulate students' interest in learning and improve the learning effect.

### **4.2.1. To explore multimedia teaching resources to enrich the course content**

The smart classroom system integrates rich teaching information resources, which can bring intuitive and vivid concept and theory interpretation to students. For example, when explaining the theme of "the spirit of rule of law," teachers play relevant legal documentaries to help students understand the role and significance of law more clearly, to build a systematic theoretical knowledge system. At the same time, by showing the historical

events of the rule of law, such as the ancient “Mirror High Hanging,” the teaching content of the course is further enriched, students’ awareness of the rule of law is enhanced, and students’ concept of the rule of law is cultivated.

#### **4.2.2. To use interactive teaching tools to improve class participation**

Smart classroom systems are usually equipped with teaching equipment such as interactive whiteboards, which can promote interaction between teachers and students. In the course “Ideology, Morality and Rule of Law,” teachers can use the interactive whiteboard to display teaching content, while allowing students to give instant feedback through electronic voting devices to understand students’ mastery of knowledge points. For example, when discussing “The relationship between morality and law,” teachers can ask open questions, let students vote to choose their views, and display the results on the interactive whiteboard, thus sparking discussion among students. Such interactive teaching can not only increase students’ participation in class, but also stimulate their logical thinking skills <sup>[14]</sup>.

#### **4.2.3. To create an immersive learning environment using virtual reality technology**

In the course of Ideology, Morality and Rule of Law, teachers can combine social hot spots and daily life, and use VR technology to simulate typical moral dilemmas or legal cases, so that students can experience the complexity and challenge of them. For example, by simulating the scene of a traffic accident through VR, students can play different roles in the virtual environment, such as witnesses, drivers, police officers, etc., to experience the responsibilities and obligations of different roles in the accident. In this way, it can not only enhance students’ sense of inclusion, but also improve students’ moral judgment ability and legal awareness.

### **4.3. Pay attention to teaching practice activities and guide students to cooperate in learning**

Teaching practice activities are an important means to realize the efficient classroom of Ideology, Morality and Rule of Law. By using the smart classroom system, teachers can design more diverse practical activities to deepen students’ understanding and mastery of theoretical knowledge in practice.

On the one hand, the smart classroom system can promote cooperative learning among students. Cooperative learning is an effective way of learning, which can help students learn from each other and make progress together in interaction. Through the smart classroom system, teachers can combine curriculum priorities, propose topics, and arrange group discussions. For example, teachers can make use of an online collaboration platform to allow students to work in groups to divide the labor and work together on a research project on social moral issues. In this process, students can not only learn relevant knowledge, but also develop teamwork spirit and communication skills. In addition, the smart classroom system can also provide immediate feedback to help teachers learn about students’ learning in time to give students targeted teaching guidance. On the other hand, the smart classroom system can provide teachers with detailed reports of students’ learning through data analysis, and help teachers better understand the learning needs of each student to realize personalized teaching <sup>[15]</sup>. For example, for students with strong learning ability, teachers can design more challenging practical activities. While for students with weak learning ability, teachers can provide more guidance and support to help them overcome difficulties in learning.

## **5. Conclusion**

In short, with the continuous advancement of educational innovation in the new era, higher requirements are put

forward for the teaching mode of curriculum teaching. Through the use of smart classroom system, curriculum teaching can be modernized and informationized, so as to better meet the learning needs of college students in the new era, and cultivate high-quality talents with correct ideology, morality and rule of law.

## Funding

Guiyang University Undergraduate Education and Teaching Reform Research Project (Project No.: GYXYJG2024A03)

## Disclosure statement

The authors declare no conflict of interest.

## References

- [1] Jiang F, 2017, Practice and Perception of Information Technology in Moral and Rule of Law Teaching. *Ningxia Education*, 2017(2): 48–50.
- [2] Wu C, 2019, Give Full Play to the Advantages of “Smart Classroom” to Improve the Teaching Effectiveness of “Morality and Rule of Law.” *Journal of Contemporary Teaching Research*, 2019(3): 7–7.
- [3] Zhang K, 2023, Using Information Technology to Improve the Effectiveness of Moral and Rule of Law Teaching in Primary Schools. *Video Education in Primary and Secondary Schools (II)*, 2023(7): 70–72.
- [4] Gao C, 2020, Application of Smart Classroom in Moral and Rule of Law Teaching. *Chinese Science and Technology Journal Database (Citation) Science of Education*, 2020(9): 95.
- [5] Qiu F, Chen S, 2019, Quality Service and Effective Management of Smart Classroom. *Digital World*, 2019(8): 206–206.
- [6] Wang L, 2019, How to Make Use of Smart Classroom System to Build Efficient Moral and Rule of Law Classroom. *Western Quality Education*, 5(9): 56–56.
- [7] You Q, 2018, Effective Application of Hiteach Wisdom Classroom in Junior High School Moral and Rule of Law Classroom. *Teacher*, 2018(7): 85–86.
- [8] Zhang X, 2019, Improving the Efficiency of Junior High School Morality and Rule of Law Teaching with the Help of Information Technology. *Mingshi Online*, 2019(33): 89–90.
- [9] Pu L, 2019, The Integration of Multimedia and Moral and Rule of Law Teaching in Junior Middle School. *Selected Essays (Mid-Day)*, 2019(5): 51–51.
- [10] Xi L, 2019, The Penetration of Multimedia Technology in Moral and Rule of Law Teaching in Junior Middle School. *Knowledge Window (Teachers Edition)*, 2019(24): 120–120.
- [11] Li Y, 2021, Multimedia Optimization Teaching Strategy of Morality and Rule of Law in Junior Middle School. *Video Education in Primary and Secondary Schools (II)*, 2021(8): 35–36.
- [12] Zhou H, 2020, Deepening the Teaching Value of Morality and Rule of Law in Junior Middle School Based on Situational Teaching Method. *Scientific Advice*, 2020(28): 268–268.
- [13] Feng Y, 2020, Application of Multimedia Technology in Moral and Rule of Law Teaching in Junior Middle School. *Western Quality Education*, 6(4): 40–41.
- [14] Mu K, 2020, Effective Strategies for Junior Middle School Moral and Rule of Law Teaching under the Background

of Information Technology. Mingshi Online, 2020(21): 88–89.

- [15] Huang X, 2024, Creation of Classroom Teaching Situation of Morality and Rule of Law in Junior Middle School from the Perspective of Core Literacy. Fujian Educational Research, 2024(6): 37–39.

**Publisher's note**

Bio-Byword Scientific Publishing remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.