

# Research on Blended Teaching of Computer Fundamentals in Art Universities under the Concept of Curriculum Ideology and Politics

Ru Xue

Modern College of Northwest University, Xi'an, Shaanxi, 710130, China

**Abstract.** Combining the characteristics of art majors and enhancing the ideological and political abilities of courses through aesthetic education, this paper proposes a mixed online and offline teaching mode for university computer basic courses. It also provides a detailed introduction to the effective integration of ideological and political education in the implementation process of computer basic teaching in art universities, as well as pre class preview, course organization, and post class review. It explores and practices the reform of mixed teaching for computer basic courses in art universities, it can effectively improve the quality of teaching.

**Keywords:** Curriculum Ideological and Political Education; Art Category; Fundamentals of College Computer Science; Blended Learning.

## 1. Introduction

In May 2020, the Ministry of Education issued the "Guiding Outline for the Ideological and Political Construction of Higher Education Curriculum", comprehensively promoting the ideological and political construction of higher education curriculum, emphasizing the classification and promotion of curriculum ideological and political construction based on the characteristics of disciplines and majors. For art majors, we should adhere to the principle of educating and beautifying people with aesthetics, actively promote the spirit of Chinese aesthetic education, guide students to consciously inherit and promote Chinese excellent traditional culture, and comprehensively improve their aesthetic and humanistic literacy, Enhance cultural confidence. [1] As an educational concept, ideological and political education in courses should possess the disciplinary thinking of moral education, allowing students to have a correct worldview, values, and outlook on life while learning the course content. The curriculum should have the correct spiritual guidance. College Computer Fundamentals is a public basic course commonly offered in various majors in universities. As the teaching target is freshmen, they are in a critical period of forming worldviews and values. As teachers, they have an obligation to guide students correctly.

Under the concept of ideological and political education in the curriculum, this article explores the advantages of art students. Art students have good aesthetic abilities, strong emotional thinking, and strong practical abilities. Therefore, based on the characteristics of art students' majors, computer basic courses are reformed and blended teaching research is carried out to improve students' learning enthusiasm and innovative thinking ability, Explore a more permeable path for the integration of computer basic courses and moral education in art majors, subtly integrating ideological and political education into teaching, and comprehensively enhancing the educational function of ideological and political education in the curriculum.

## 2. Building a Hybrid Teaching Model for Computer Fundamentals in Art Universities under the Concept of Curriculum Ideology and Politics

This article combines the needs of art talent training programs with university computer basic courses through specific teaching practices, integrating excellent Chinese culture into the ideological and political curriculum. In terms of teaching methods, online and offline teaching are organically integrated, and information technology is combined to carry out mixed teaching. The idea diagram for constructing a mixed teaching mode is shown in Figure 1. In the teaching practice of basic

computer courses in universities, it has been found that there is a significant difference in the acceptance of this course between students majoring in art and non-art majors. Art students have a mindset of "valuing their major over their culture", and they do not attach enough importance to cultural courses, especially public basic courses. Their logical thinking is weak, and they often only focus on the professional field. They do not pay high attention to ideological and political education and other fields. In traditional teaching models, teachers mainly focus on teaching in the classroom, and the teaching method is relatively single, using a theoretical approach before using the computer. Students have low enthusiasm for studying university computer foundation courses, do not like to think and actively ask questions during the learning process, and the classroom atmosphere is not active enough. Analyzing the problems existing in traditional teaching models and delving into the advantages of art majors, art students have strong aesthetic abilities. Through traditional Chinese aesthetic education in the teaching of art computer basic courses, curriculum ideology and politics can be effectively integrated into teaching, enhancing the educational function of curriculum ideology and politics. Moreover, art students have strong emotional thinking and practical abilities, and can engage in mixed online and offline teaching modes. Integrating more information technology, we can send micro class videos, watch MOOC videos, send task books, questionnaires, etc. offline because of the strong practicality of college computer basic courses, we can carry out Flipped classroom teaching, set teaching cases for art students according to professional characteristics, and the practical assignments are mainly design assignments. This not only cultivates students' awareness and ability to apply computers to solve problems in various professional fields, but also subtly carries out ideological education. [2-4] Combining teaching reform with art majors, combining teachers' teaching with scientific research, and constructing a new model of computer basic teaching for art majors.

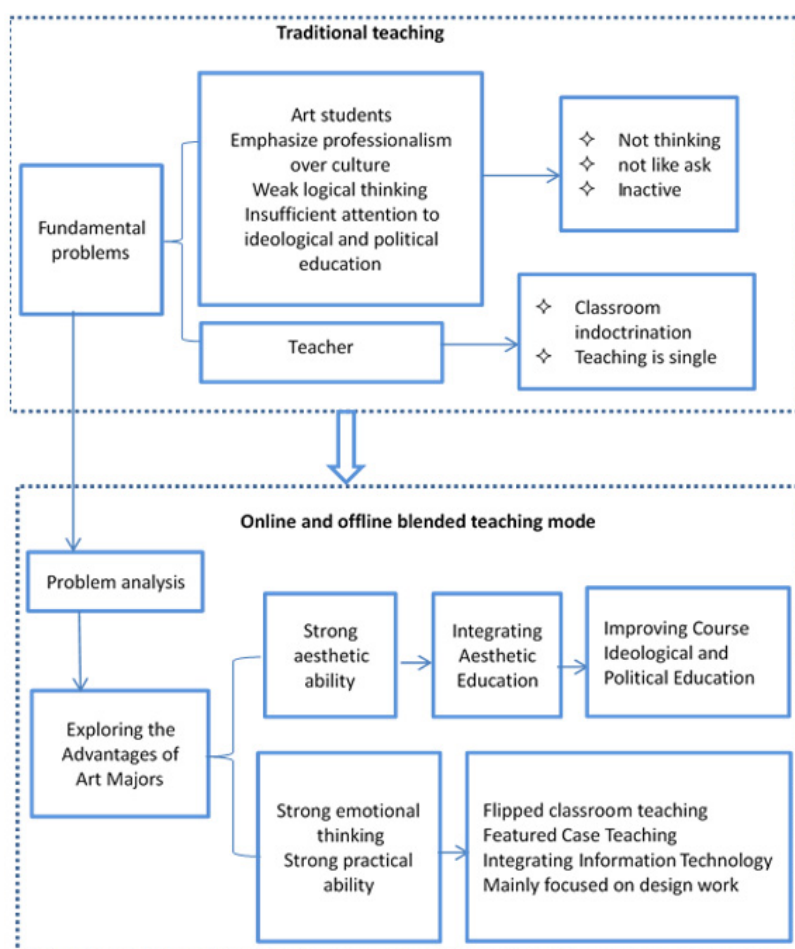


Figure 1. Construction of a Hybrid Teaching Model for Computer Fundamentals in Art Universities

### **3. Implementation of Blended Teaching for Computer Basic Courses in Art Universities under the Concept of Curriculum Ideology and Politics**

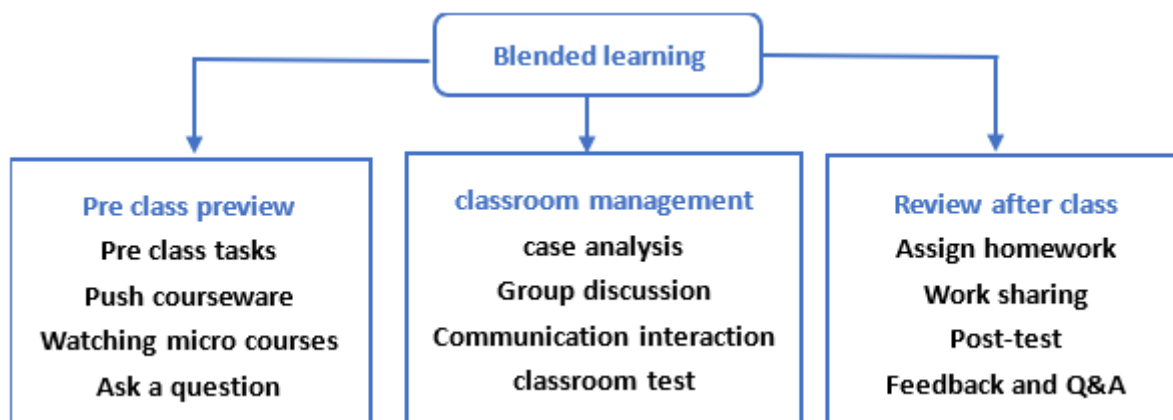
Integrating excellent Chinese culture into the teaching process of computer foundation courses in art universities, combining the characteristics of art students, and improving the ideological and political abilities of courses through traditional Chinese aesthetic education, the ideological and political education of courses is seamlessly integrated into teaching. Art students have a strong understanding of beauty. By guiding students to appreciate, discover, and create beauty, they can cultivate their comprehensive literacy, enhance their cultural confidence and ideological realm, and effectively integrate ideological and political education into the classroom. Adhere to the teaching philosophy of "student-centered" and integrate the concept of ideological and political education into the curriculum for art students. It mainly adopts Flipped classroom teaching, using independent inquiry method, task driven method, demonstration method and teaching method. [5-7]

The knowledge of computer basic courses in art universities does not have many ideological and political elements in the course itself. Through in-depth exploration of ideological and political education resources, moral education goals are integrated into the teaching objectives of each chapter, and the teaching process is carefully designed. Combining the characteristics of art majors, the ideological and political elements are integrated into the course in a "smooth and silent" manner, achieving comprehensive integration before, during, and after class, and implementing them in resource construction, course design, and classroom teaching. Computer practice and other aspects organically integrate the cultivation and practice of Core Socialist Values into the study of professional knowledge, imperceptibly affect the formation of students' "three outlooks", and comprehensively improve the ideological and political education function of the curriculum.

In the specific teaching practice of computer foundation in art universities, ideological and political education can be effectively integrated into the curriculum. Firstly, building a curriculum ideological and political resource package for computer foundation, clarifying the teaching objectives of the curriculum, improving curriculum standards, setting moral education goals, revising curriculum lesson plans and teaching plans, deeply exploring the ideological and political elements of the curriculum in computer foundation courses, and organically integrating computer foundation education with curriculum ideological and political education, Enable students to enhance their political literacy while learning basic computer knowledge and practical operations. Secondly, the ideological and political education of the curriculum should be infiltrated into the classroom teaching, and the corresponding case teaching should be adopted mainly in combination with the characteristics of art majors to integrate the traditional Chinese aesthetic education. The teaching cases used should be different according to the focus of different majors as far as possible, and the curriculum content should be different. The combination of Scientific literacy and artistic literacy should be paid attention to, and the ideological and political elements of the excavated curriculum should be organically integrated into the curriculum teaching to guide students in the classroom, Achieve a nourishing and silent educational effect. Finally, the spirit of craftsmanship and innovation is fostered in the practice of computer science. Because art students emphasize practice and ignore theory, they can break the tradition of putting theory before practice. Through Flipped classroom teaching, computer science classes combine the characteristics of art majors to arrange more design work, incorporate some ideological and political materials, and practice first. Each student is required to design different effects in combination with their majors, emphasizing the preciseness and seriousness of the entire operation process, Not only can it cultivate the spirit of craftsmanship, but it can also cultivate students' innovative thinking, achieving educational effects in practice.

The whole hybrid teaching process of computer basics in art universities includes pre class preview, classroom organization and post class review, as shown in Figure 2. Before class, teachers issue task books, and can push courseware and micro classes through the WeChat official account platform, assign pre class tasks, ask questions, and let students preview before class according to the task requirements. In the classroom, teachers conduct teaching based on typical cases, group discussions, communication and interaction, classroom testing, and carefully design teaching processes and

scenarios. To combine the characteristics of art majors, corresponding case teaching should be adopted. The teaching cases used should be based on the different focuses of different majors, and the course content should be set differently. Corresponding teaching outlines and plans should be formulated for art majors. By combining information technology, online and offline teaching should be organically integrated. As art students prioritize practice over theory, they can break the traditional practice of putting theory before practice, Through the Flipped classroom teaching, the practice class combines the characteristics of art majors to arrange more design assignments. First, practice, require each student to design different effects in combination with the major, and then lead to the theory. Integrating the online and offline blended teaching mode throughout the entire teaching process allows for the extension of classroom teaching in both time and space, fully mobilizing students' learning enthusiasm, and cultivating their innovative and practical abilities. After class, according to the students' learning situation in class, the teacher summarizes and summarizes, and assigns relevant homework. The excellent homework done by students can be shared on the WeChat official account platform to fully mobilize students' enthusiasm for learning, and arrange post class test questions on the platform to consolidate the knowledge learned and effectively extend the extracurricular time.



**Figure 2.** Process Diagram of Hybrid Classroom Teaching for Computer Fundamentals in Art Universities

#### 4. Summary

Under the concept of ideological and political education in the curriculum, the research on blended teaching of computer foundation in art universities combines the teaching experience of frontline teachers targeting art students, changes traditional teaching models and guiding ideology, and conducts research on blended teaching models online and offline, aiming to cultivate students' practical application and innovation abilities with a student-centered approach. In terms of teaching content, we mainly combine the characteristics of art majors to improve the ideological and political abilities of courses through excellent Chinese culture, especially traditional Chinese aesthetic education. We propose new ideas and plans for the reform of computer public basic courses in art majors, and set up ideological and political content in each teaching chapter. And adopt corresponding case teaching based on the characteristics of art majors to attract students' interest in learning. In terms of teaching methods, we should integrate online teaching and offline teaching organically, combine information technology, through Flipped classroom teaching, and integrate online and offline mixed teaching mode into the whole teaching process, so that classroom teaching can be extended in time and space, fully mobilize students' learning enthusiasm, and cultivate students' innovative practical ability.

## Acknowledgments

Projects on Education and Teaching Plan in the "14th Five-Year Plan" of Shaanxi Province in 2022: Research on Reform and Practice of Computer Fundamentals Teaching in Art Universities under the Concept of Curriculum Ideology and Politics (Project Number: SGH22Y1733);

Project on Demonstration Course of Curriculum Ideology and Politics and Construction of Teaching Team of Shaanxi Province in 2023(Course: "College Computer Fundamentals (Art)") (Shaanxi Education [2023] No. 264).

## References

- [1] Notice of the Ministry of Education on Issuing the Guiding Outline for the Ideological and Political Construction of Curriculum in Higher Education Institutions [EB/OL]. (2020-05-28)[2022-03-20].[http://www.gov.cn/zhengce/zhengceku/2020-06/06/content\\_5517606.htm](http://www.gov.cn/zhengce/zhengceku/2020-06/06/content_5517606.htm).
- [2] Liu Xiao, Liu Qicheng Practice and Exploration of Ideological and Political Education in the Course of "Fundamentals of College Computer Science" [J] Industry and Information Technology Education, 2022 (8): 44-47.
- [3] Dong Lixia, Lu Yulan, Zhou Hui, et al Exploration and Practice of Integrating Ideological and Political Elements into Basic Computer Courses in Universities [J] China Modern Education Equipment, 2022 (13): 100-101, 107.
- [4] Shen Juncai, Li Zhimin, Yu Jiang. Exploration and Practice of Ideological and Political Education in Computer Fundamentals [J]. Computer Education, 2021 (9): 27-31.
- [5] Yang Kuiwu, Hu Xuexian, Zhao Jian. Exploration and Practice of Ideological and Political Education in Basic Computer Courses in Universities [J]. Henan Education (Higher Education), 2021 (7): 77-78.
- [6] Chang Shuquan. Exploration and Practice of Hybrid Teaching Mode Based on "Internet plus" [J] Education and Teaching Forum, 2020 (39): 210-211.
- [7] Li Juan, Qin Fang, Wang Dan, Susan Exploration of Online and Offline Blended Teaching of College Computer Fundamentals Based on Superstar Learning Communication [J] Hebei Agricultural Machinery, 2021 (5): 91-92.
- [8] Li Hongyan Practice and Exploration of Blended Teaching Mode Based on SPOC - Based on "Fundamentals of College Computer Science" [J] Computer Knowledge and Technology, 2020 (17): 126-127.
- [9] Feng Zhilian. Innovative exploration of ideological and political construction of art colleges' curriculum under the concept of new liberal arts -- taking the series of activities of "centennial excellence" of Shenyang Conservatory of Music as an example [J]. Yuefu Xincheng (Journal of Shenyang Conservatory of Music), 2021,39 (4): 10-16.
- [10] Ma Xiaofei, Ma Yalu, Tian Yun, et al Practice and Reflection on "Fully Online" Remote Hybrid Teaching in the Context of the Epidemic [J] University Chemistry, 2020, 35 (5): 29-32.