

Learning Photoshop Course based on Cloud Platform of Vocational Education

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Abstract

In order to ensure the normal teaching activities during the period of new crown pneumonia, the curriculum of higher vocational colleges adopts the cloud platform of vocational education to construct teaching resources, and at the same time, teachers can guide teaching in QQ group. In the process of teaching, the project teaching method is adopted, and the case teaching is carried out in combination with the students' major to improve the students' interest in learning. Even if the students are at home, they should ensure the students' learning effect and avoid the influence of environmental problems on the students.

Keywords

Higher Vocational College; Vocational Education Cloud; Photoshop.

1. Introduction

During the Spring Festival in 2020, the sudden new crown pneumonia swept through China, whether the new semester can start and teaching problems have attracted wide attention. Although as early as 2013, the Ministry of Education had issued the Ten-Year Development Plan for Educational Informatization (2011-2020), which called for the modernization of education modernization of education and speed up the construction of vocational education informatization. Give full play to the support and leading role information education in educational reform and development^[1]. But such large-scale online learning is also a major challenge for schools and teachers. Moreover, for students in higher vocational colleges, learning initiative and self-control are insufficient. How to ensure students' enthusiasm in the process of online learning is also a problem to be solved.

2. Significance

2.1 Photoshop Abstract

Adobe Photoshop, abbreviation "PS", is an image processing software developed and distributed by Adobe Systems. Photoshop mainly processes digital images composed of pixels. Using its numerous editing and drawing tools, we can effectively edit pictures. PS integrates the functions of image design, scanning, editing, synthesis and high quality output. It is welcomed by computer art designers and is one of the best graphic image processing software. And the application of Photoshop is very wide, in image, graphics, text, video, publishing and other aspects are involved. At present Photoshop the related courses of graphic and image processing have become professional courses of e-commerce, big data, digital media and so on in higher vocational colleges.

2.2 Learner Analysis

The source of students in higher vocational colleges is mostly students participating in the general college entrance examination and students in secondary vocational colleges. This kind of students are more emotional, students are interested in the curriculum enthusiasm is higher, but the content of boring courses are not interested in learning efficiency is relatively low. Students do not find suitable learning methods, so that students lack initiative, blindly listen in the classroom, do not have their own views.

2.3 Teaching Analysis

In the traditional classroom, teachers can use various teaching methods, such as project teaching method, to improve students' interest in learning. But the teacher can not understand each student's learning status in time, give feedback information.

Based on the curriculum of vocational education cloud platform, the combination of vocational education cloud and QQ group. After teachers upload resources, students can learn, download resources and upload homework at any time, and teachers can solve problems for students in QQ groups online.

3. Course Construction

3.1 Teaching Content Design

The Photoshop course is divided into five parts: basic knowledge, layer, tool, image editing, filter and so on, and the whole Photoshop course is constructed with these five modules as the main line. According to the needs of different majors, the project teaching method is used to integrate the teaching content with the professional needs. After the students have mastered the basic knowledge and basic operation, take the actual case as the breakthrough point, the theory unifies the practice, satisfies the different specialized student's demand.

Table 1. Photoshop Teaching Content and Objectives

Number	Module Name	Submodular	Knowledge Point	Instructional Objectives
1	Basic Knowledge	Photoshop Basic Knowledge	Software Function, Basic Operation, Basic Image Knowledge, Working Environment Setting	Master the Basic PS skills
2	Layer	Layer Application	Layer concept, layer creation, delete, copy, merge operations	Master the concept and basic operation of the layer
		Layer Style	Concept and operation case of layer style	Master the effect of each parameter of layer style
		Layer Mix Mode	Concepts and Operation of Mixed Mode	Master the operation and effect of layer mixing mode
		Color Adjustment	Color adjustment of images	Master the method of image color adjustment
3	Tool	Pen Tool	Classification and Use of Pen Tools	Master the use of pen tools
		Brush Tools	Use of Brush Tools	Master the use of brush tools
		Text	Use of text tools	Master the use of text tools
		Constituency	Use different tools to Constituency	Mastering the methodology for drawing constituencies
4	Image Editing	Form	Shape tool group, drawing graphics using shape tools	Master the use of shape tools
		Way	Path panel application, use path to draw graphics	Master the Path Drawing Method
		Passageway	Channel Concept, Channel Panel Applications	Master channel editing methods
		masking-out	Mask to make image effect, use quick mask matting	Learn how to use different types of masks
5	Filter	Filter	Use filters to make special effects	Master the use of different filters

3.2 Construction of Teaching Resources

The curriculum resources construction of vocational education cloud is divided into three parts: before class, in class and after class. Teachers upload resources in different periods and assign different tasks to students at the same time. First of all, the basic knowledge and the final case effect of this class are uploaded to the vocational education cloud before class. On the one hand, it is easy for the students to accept the basic knowledge. Upload the final effect map to stimulate students' interest and conceive their works ahead of time. During the course, the video of explaining the course in advance and the video of case making are uploaded, and the PPT resources, case materials and chapter summary are uploaded to the vocational education cloud. At the same time, teachers guide students in class QQ group to answer questions and questions. Finally, after class, after the students submit their homework, the teachers judge and guide the students.

4. Instructional Design

The teaching design is divided into three stages: pre-class, after class.

Table 2. Instructional design

Before class: teachers issue tasks, students learn independently			
Step	Teaching task	Teacher - led activities	Student-led activities
Upload teaching resources on the cloud platform of vocational education; Organize students to preview	Upload course resources and assign preview tasks	Vocational education cloud upload resources; Assign preview tasks	prepared computers, mobile phones and other tools, logged into the cloud platform of vocational education to view and complete tasks assigned by teachers, watched videos and downloaded files
In class: project learning, combining theory with practice			
Checking-in	Sign in on cloud platform	Set sign-in gestures and cut-off times	Check in on your computer or phone
Course review	Review the last course content	Lead the students to review the content of the last lesson, including the key and difficult points and how to operate	Recall the content of the last course and solve the problem
Introduction	Introduction of this lesson	Watch the case videos related to this lesson	Clarify the learning objectives of this course and arouse the learning interest
Analysis of cases	The case shows and analyzes the source file	Lead students to analyze the layer distribution and production process of source files	Preliminary understanding of this course case production
Demonstration operation	Case production	The teacher explains the case in detail, makes it step by step and demonstrates the operation	Students synchronize production, experience the production process, understand the application of knowledge points
Exercises for improvement	Assign exercise tasks	Show similar works for students and guide students to create new works based on this case	Broaden the application of knowledge points and develop creative thinking
Development	Develop and develop creative works	Organize students to produce their own ideas	Form creative thinking and bring creative into play
Q&A	Answer the student's questions	The teacher answers the questions of the students at any time, and provides specific guidance	Give full play to the creation, ask the teacher or other students to help solve the problem
Summary	Summary of the course	Summary of the case-making process, knowledge point application methods, similar works creative methods	Summarize the knowledge points
Homework	Set up homework assignments	Teacher in-service teaching cloud set up after-class homework requirements, students submit homework start and end time	Thinking about after-school homework
After class: consolidate application, targeted tutoring			
Review	Consolidation of knowledge and case-making	Vocational education cloud set up review content, remind students to review and consolidate case production and application of knowledge points	Review the contents of the review the review of the course as required
Submit	Vocational education cloud to submit the homework	Judge student works, score	Upload Portfolios
Online coaching	Targeted online counselling	In view of each student's work, analyzes the creativity and the insufficiency,proposes the corresponding revision opinion	According to the teacher's revised opinion, repair the work to achieve a more perfect effect, upload again

5. Summary

During the epidemic, in order to respond to the call of "stopping classes and not stopping learning" and ensure the normal operation of school teaching, schools and teachers reacted quickly. At the same time, the communication between teachers and students is realized in the way of QQ groups, and the teaching mode of "before class and after class" is supplemented by project teaching method. Improve teaching quality while ensuring normal operation of teaching and avoid students slacking off at home. A reasonable teaching mode is an important means to carry out teaching and achieve the expected goal, which is helpful to improve teaching efficiency, achieve good teaching effect and achieve teaching goal^[2].

References

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