Reform and Innovation of "Multimedia Technology and Application" Course

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Abstract. Based on the teaching practice of "Multimedia Technology and Application" in Qujing Normal University, this paper puts forward a new idea of teaching reform on multimedia technology and application based on the analysis of the traditional teaching methods. In view of the problems raised, combined with its own Education practice experience, from the teaching content, teaching model and other aspects, put forward "multimedia technology and application" teaching reform of several ideas.

Introduction

The "Multimedia Technology and Application" course is a computer application course for grammar and art major students to adapt to the needs of the society. It is an important course in the follow-up computer education of computer public courses and an indispensable course . Through the study of this course, students can understand all kinds of basic media (text, image, voice, animation, video, etc.); have the use of common multimedia material design, production, management and application capabilities, the initial master multimedia application system integration and Development methods, process; master the multimedia integration tool software flash general methods and basic skills, and ultimately be able to design and implement a small multimedia animation.

The course started in 2009, the beginning of the main music and dance academy and the Academy of Fine Arts students. By 2015, according to the requirements of the syllabus, our school of literary and artistic body of the students, after the completion of "Computer Basics", will be "multimedia technology and application" course teaching. September 2015, the school a total of 37 classes were more than 2,000 people involved in the course of teaching, involving 20 teachers.

"Multimedia technology and application" course is a course that contains theoretical knowledge, but very practical, to master the multimedia knowledge, the use of multimedia technology, improve the practical ability has an important role. However, this course involves the content of complex, for the arts and law students of professional bodies, with a certain degree of difficulty.

Through the study of the teaching process of the course found that: Arts and Law students in the course of the course, the theoretical knowledge is not interested in the practice part of the like, but because the learning software is too much, every kind of a little, but As some are not proficient, and even some students in the process of learning several software together, resulting in students can not work independently or complete the dry work, there is no sense of art.

Problems with the Course

Through the teaching research and practice of the course, it is found that the course has the following problems:

1. "Multimedia Technology and Application" of the basic theoretical knowledge of the profound and difficult to understand, involving a wide range of knowledge and disciplines, students are not interested in theoretical knowledge.

2. The current "Multimedia Technology and Applications" course materials are many, but some emphasis on theoretical knowledge, some emphasis on practice; Like everything, in fact, students finish at a loss, do not understand anything, nothing will not be able to complete the creation of works alone.

3. "Multimedia Technology and Application" course has 18 hours in the multimedia classroom teaching, the teacher taught students can not be drilled, poor teaching, so in the multimedia classroom is difficult to mobilize the enthusiasm of students in class.

The reform of the course content

In the research, it is found that the requirement of the theoretical depth is higher than that of the theoretical and practical courses, which is usually 1: 1 or 2: 1 in research-oriented universities and polytechnics. [1] However, for our school of arts and professional students, due to the professional nature and lack of IT literacy, curriculum content must not be in accordance with the requirements of this arrangement. The course belongs to the Department of academic research decision: the content of the abolition of multimedia content related to theoretical knowledge, only the content of practice teaching. In the class arrangement, from the original 64 periods to 54 periods. In the practice of teaching arrangements, not a general introduction to a variety of multimedia applications, focusing on the most popular multimedia animation and integrated software flash teaching. In the 2015-2016 school year, 37 classes in the whole school, focusing on learning multimedia animation and integrated software flash and image processing software photoshop, but the teaching down the students or difficult to fully grasp. The author is responsible for Qujing Normal University in 2016, the school special project "Qujing Normal University students of civilized behavior animation production" (project number: 2016zx001) process, found that the production of animation, with photoshop drawn to flash application, there is resolution Rate is not enough, the effect is poor and so on, the current flash software has a very strong graphics capabilities in the animation production, all pictures are drawn using flash, so I put forward, whether the "Multimedia Technology and Applications" course Teaching process, the focus of flash software teaching, but in the teaching process, to strengthen the flash drawing tool is teaching.

The reform of the teaching material

As previously described, the current "multimedia technology and application" course materials, and some biased in favor of theory, and some bias in practice, and lists a number of multimedia applications software, students will learn what is a little bit, nothing is fine , Resulting in students can not independently complete the creation of a work. This outline with our request is to refute, the outline clearly states: to enable students to eventually design and implementation of a small multimedia animation. After the course belongs to the Department of teaching seminars organized by the decision, the preparation of the course materials, the preparation of teaching materials are all teachers as the backbone of teaching the course teachers, the curriculum has been probably formed the first draft of the specific work Is still further improved.

The reform of the teaching methods

1. Reform of the first lesson. For students of arts and law professional, because this course is a compulsory course, the students are passive acceptance of course teaching, and even some students

complain: "We learn art, learn this course doing?" So in the first course Teaching, teachers must use some of the classic case to attract students, triggering students interest in the course. For example, in the first class, I will tell students that the course can be used for film, advertising, animation, etc., and for students to demonstrate some titles, classic ads, Students This is a very fun course, and we can do as long as the effort can be.

2. The reform of the teaching process. The multimedia technology and application "is a practical course. If still adopts the traditional teaching methods make students memorize the academic knowledge on book, or a scripted teaching mode, the students' interest in learning will and decreased gradually along with the development of study, the first class lighted the flame will slowly dies. The author thinks that, the multimedia technology and application course to cultivate students' ability as the guidance, is basic teaching method with case teaching method, to keep students' interest in learning, improve students' practical ability. In the whole teaching process, through the case teaching method, train the students' ability to master the basic knowledge and innovation ability, make students use the basic knowledge to solve the problem, the creative application of himself in his work.

3. Task driven practice course. At present, our school's practice after class methods basic is the teacher demonstrate exercises for students to complete, and follow up the pattern of class USES the specific solution. Although solved part of the problem, but students will still feel too many steps, way of thinking is not clear, leave the teacher club will not do it. To this end, the author puts forward a task driven mode of practice course, specific steps are shown in figure 1. Before the start of practice class, the teacher according to student's study life, from the students the most familiar to find task, it can stimulate students' interest in learning. Students accept the task, with the help of the teacher, the analysis task specific implementation of the objectives, the creation process, technical difficulties and innovation point in this task. Teachers to guide students in the whole process, guides the student to complete the task, and carry on scientific and correct evaluation, sum up experience, pioneering ideas, to make more excellent works.
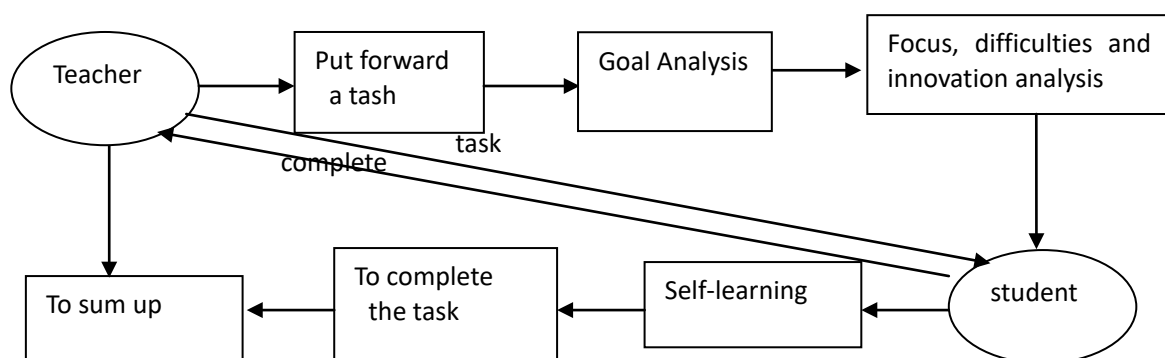

Fig. 1 Task driven flow chart of the experiment

The Reform of Examination

In the past, "multimedia technology and application" course teaching, final assessment method for the work submitted, usually accounted for 40%, 60% of the final results. Each student at the end is based on teaching content, creating a comprehensive multimedia animation works. This assessment is a good way to reflect the comprehensive application of the ability of students, but a small part of the students did not take this thing seriously, from the Internet to download a teacher to cope with the trouble. In the course of "Multimedia Technology and Application" in the last semester of the 2015-2016 academic year, the teaching and research section of the course has

organized several seminars on the course, and the participants have decided on a course of assessment for all the teachers. Test content covers photoshop and flash two software, focusing on the application of flash. Of which photoshop accounting for 25% of the assessment score, the main assessment photoshop basic operation and matting skills; flash assessment score of 75%, covering the flash content of the five basic animation, how to use multimedia animation animation, images and animation Multimedia elements. The examination method uses the spot to take the topic, the student fills in the paper examination paper, carries on the question operation on the computer, finally completes the test question according to the topic and uploads the work the form. Teachers in the marking, can not be free to points, should be strictly according to the paper scoring criteria for review, so to avoid the original review of "benevolent see benevolence see wisdom" situation.

The cultivation of innovative talents

Applied talents training goal is to cultivate students' practical application ability and practice ability to innovate, to cultivate applied talents, we must strengthen the cultivation of practice ability to innovate. Information engineering school of "race" as the carrier, mainly for the annual national university computer design competition for the purpose, extensively absorb all professionals organize student team, use after school time, providing dedicated room, conducted by specialized teachers guide, strive to cultivate a creative ability, has the strong ability of comprehensive talent team operation. Training of students, mainly from three phases: first, winning entries for appreciation and comments on the previous years, in order to improve the students' interest and self-confidence; Followed by skills training, the curriculum teaching, on the basis of adding some popular technology and elements, have the effect that make the finishing point. Finally, the entries for the design and implementation, how to choice, work content and structure, how to design, finally to achieve what kind of effect, belong to this stage, this is the longest, most difficult, one of the most important stage.

Summary

The teaching reform of "multimedia technology and application" course is a long and complicated process. It is necessary to take students 'interest in learning, develop practical ability and improve students' creative ability, take case teaching as the basic teaching method and task - As the main teaching mode, students apply multimedia application software knowledge and technology to solve practical problems. This is a long-term work. Only by constantly identifying problems, correcting problems, and constantly exploring and researching can we keep the course's continuous development and cultivate students who are better and meet the needs of society.

Acknowledgment

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