Advanced in Control Engineering and Information Science

# On the "Work-Study Combination" mode, the Television Animation teaching reform based on project-oriented

Xu Qianqian[a]*

*aComputer Engineering Department, Taizhou Vocational and Technical College, Zhejiang Province, China*

**Abstract**

Our animation design and production of professional reference from 2008 Korean animation success of vocational education institutions. Flash in earlier time did not do well in video manipulation. And  try to take the school-enterprise cooperation business certification curriculum. In 2009 we joined Adobe Digital Arts Center, the introduction of relevant skills courses. Learn Korean animation school-enterprise cooperation of vocational education institutions work and study in the teaching mode, I was animation design and production professionals in accordance with the requirements of the school gradually adjusted from 08 to develop training objectives and teaching plans, a substantial transformation of the curriculum system, all of the professional basic courses and specialized courses trunk capacity requirements in accordance with job categories combined. We continue to improve research in the content, improve the TV movie based on project-oriented courses in engineering combined with reform of the teaching model for animation Vocational Training Program provides an important reference.

Keywords :Work-Study Combination, Television Animation, teaching reform, project-oriented

## 1. Main text

"Work-Study Combination" that is currently running in the form characteristics of vocational education in China is the highlight of today's vocational education. Given the present era work and study,  work-study a new connotation. The so-called "Combination" is the side of the unit in practice, practice, while

---

\* *E-mail address*: qqxexu@126.com

learning in the classroom by the teachers to teach; "part time" is part of the actual work time to participate in business, part of the time to read. These two sites and between the two activities are not completely separate, but should be "learning in engineering, engineering in school," each other into complementary.

### 1.1. Current Status

Our animation design and production of professional reference from 2008 Korean animation success of vocational education institutions. Flash in earlier time did not do well in video manipulation. And try to take the school-enterprise cooperation business certification curriculum. Korean animation vocational education institutions to market-oriented, project-carrier task-driven, outstanding professional ability training courses and materials system reform of vocational and technical education is consistent with the trend and direction. In 2009 we joined Adobe Digital Arts Center, the introduction of relevant skills courses. Learn Korean animation school-enterprise cooperation of vocational education institutions work and study in the teaching mode, I was animation design and production professionals in accordance with the requirements of the school gradually adjusted from 08 to develop training objectives and teaching plans, a substantial transformation of the curriculum system, all of the professional basic courses and specialized courses trunk capacity requirements in accordance with job categories combined. We continue to improve research in the content, improve the TV movie based on project-oriented courses in engineering combined with reform of the teaching model for animation Vocational Training Program provides an important reference.

### 1.2. For The Course

TV animation for computer animation courses in professional terms, the traditional teaching classroom teaching - the main line on the machine training, classroom training course is only used to test effects of content and teaching methods, and rarely comes to work-related and future deeper applications; and engineering combined with the teaching mode, the most obvious feature is the process of teaching and learning alternate work to classroom teaching - training on the machine - job training as the main line, pay attention to the skills development of students . The 2D animation such as the current curriculum and co-operation side of the city television station, students have some basic knowledge, the station will be arranged in batches for real combat training positions. So in this new mode of teaching, how professional television animation computer animation courses to carry out "Combination" mean?

### 1.3. Text

In teaching, we will course is divided into professional theory courses and professional training courses, and with work and study patterns of work, learning the characteristics of the two phases corresponding to organization and method of teaching has been improved. We reorganized the curriculum, the introduction of case method teaching and vigorously, the project approach, task-driven approach.

### 1.4. Implementation of Flexible Educational System.

Flexible combination of engineering education system is an important realization of teaching conditions. In particular, we focus on two areas of work to do. First, in formulating the teaching plan, to

reflect the hierarchical teaching. From the first section of the course students are exposed, the will to make a preliminary understanding of the students. Taking into account individual differences of students, students with different expertise to classify and analyze, such as: two-dimensional animation can be divided into three categories, animation, painting classes, programming classes. We do real work will be the main group, according to the different strengths and interests of students to form a suitable group. In the teaching process, according to the different types of students, guide students to appropriate emphasis on orientation, so that each team can play the best production level. Second, the practical teaching into the school and external strengthening of practical training in two phases. Corresponding to the two stages in the development of lesson plans and credit records, divided into guidance for course credit and provisions of course credit. Among them, guiding the main basis for the acquisition of course credits students in different industries, professional practical ability to evaluate the advantages and disadvantages. As long as the basic skills that students can adapt to job requirements, can obtain the corresponding credits. Meanwhile, according to the teaching of computer animation professional training objectives, consider the two-dimensional animated television courses, to take to get ADOBE research and other related professional qualification certificates to replace the final examination of the practice. Mainly distributed in batches of students for practical training in the city television station, to participate in the actual production, familiar with the real needs of the market for talent, to further improve their production level and the team spirit.

## 1.5. Highlight the Practice of Teaching.

Before most of our emphasis on theoretical knowledge of teaching are systematic, and inadequate attention to the practice, skills training, little time, and the arrangement is unreasonable, and training skilled personnel is incompatible. To this end, we are doing a lot in recent years, market research and business based on the full communication, focusing on improving the student's professional ability, skill levels, teaching programs for 2D animation to adjust. Accordingly, in the teaching mode and teaching methods have also been active in exploration and practice. First, the specialized courses and skills training using "integrated" teaching model, in order to cultivate talent for the breakthrough design and development, the implementation of "task-driven, project oriented" work and study in personnel training mode, the implementation of "Project Approach", "task-driven approach" , "Case Teaching" and so on. Second, relying on project work and study outside the joint venture ---- City Radio and Television, a joint construction of this project, jointly developed project case, the design teaching contents and teaching. Enterprise development background to do the real work tasks to the actual task as an example, the theoretical knowledge combined with production practice, to ensure that the overall design of the practical courses, practical and cutting edge.

## 1.6. Reform of Teaching Evaluation Criteria.

The purpose of teaching is to foster qualified personnel to adapt to the needs of society, therefore, evaluate whether the activities meet the social needs of teaching, there must be social evaluation as an important indicator of test. We think we can carry out some work the following two aspects: first, the establishment of practical work from the front line of industry expert technical staff composed of professional talent pool, participate in curriculum development, practical teaching module set specific tasks. Such as: the stations of experts to the school for the students on 2D television animation skills. Please reporter and photographer to the school for the students on the sub-lens design and directed science. Second, in the practical evaluation of the process of teaching students in professional capacity in order to improve teaching, increase or decrease in the related class, course additions and deletions.

According to market changes and job requirements, the creation of the teaching module docking with the market, so the course is divided into a number of our knowledge modules, each of the specific teaching content and skills to set goals, self-integrated teaching resources to carry out teaching.

## 1.7. Increase equipment investment.

Higher Vocational School is to strengthen the core of the work of practical teaching, skills training. To ensure that skills training for students, we must apply for equipment funding to schools, increase capital investment in specialized equipment. Lack of professional training equipment, how to develop professional skills training? This school in recent years, great efforts to set up animation labs, multimedia classrooms, purchase of cameras, video cameras, tablet, so to carry out professional skills training.

## 1.8. Production and Research Integration.

Construction of the integration of market-driven mode of production and research, teaching mode to build the project, the "Combination" mode of teaching reform."Combination" Training mode is running, the two sides through joint development of school-enterprise training program, to order training, and enhance personnel training software technology targeted and adaptability. Determined in accordance with industry professionals, professional subject to professional, career services, employment, job training to promote the principles of career personnel.

## 1.9. Practicing Bases.

Our practice base in strengthening schools, improving the conditions on the basis of practice, focusing on a group of selected labor demand, large scale enterprises, production management practices and advanced technology enterprises as training base outside of our school, with the production equipment and technological advantages, not only to strengthen the students skills to meet the needs, but also broaden the channels of employment for students.Professional TV animation computer animation courses, we chose the city television station, seat of our practice bases.

## 2. Acknowledgment

## Foundation project

## 3. Copyright

## References

[1] *Xia Xiuwen, in:Animation Professional Training Vocational Exploration and Reflection.2009*
[2] *Tong Naicheng, in:Difficulties During the Process of Combining Study and Work in Higher Vocational Education.2008*

[3] *Shi Baisheng, in:Cogitation on the Practice of Work and Study Integrative Education Mode in Higher Vocational Colleges.2009*

[4] *Liu Jia, in:Combination of engineering-based practice teaching of process management and monitoring system.2010*