



# Assessment and Evaluation System Under the Mode of Studio Talent Training

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**Abstract.** Carrying out the training of talents in the studio system will help promote innovation and entrepreneurship education of college students, and incorporate innovation and entrepreneurship education into the whole process of talent training. The assessment and evaluation of the studio teaching process is one of the important ways to feedback the effect of studio teaching, and it has an important impact on the quality of talent training. This paper analyzes many problems existing in the assessment and evaluation under the studio system talent training mode, constructs the teaching quality monitoring and evaluation system under the studio system talent training mode, innovates the assessment and evaluation method under the studio system talent training mode, and proposes the studio system. The content, methods and standards of student assessment and evaluation under the talent training mode; the teaching quality assessment method under the studio system talent training mode is proposed; the implementation of the assessment and evaluation under the studio system talent training mode has promoted studio The role change of instructors can help improve students' ability to solve complex engineering problems, and improve students' innovation awareness and entrepreneurial employability.

**Keywords:** Studio system · Talent training · Assessment · Evaluation

## 1 Introduction

Teaching quality assessment and evaluation are the terminal assessment of quality control, assessment and evaluation and teaching results in the teaching process. It is an important means of teaching control. Essence Evaluation and evaluation can not only improve the quality of teaching, but also stimulate students' learning enthusiasm and innovative ability, help cultivate students' cognitive ability, promote students' personality development, and comprehensively improve students' comprehensive quality.

## 2 Studio-Style Talent Training Mode Analysis and Evaluation Problem Analysis

The lack of assessment and evaluation and evaluation systems for the training model of the studio system is similar to the traditional teaching model. Most of them adopt the test method, which cannot objectively evaluate the teaching quality of the studio system

talent training model. Studio instructor teachers' evaluation and settings are mainly based on the quality of teaching, resulting in the light practice and theory of the studio instructor; the students responding to the traditional method of the traditional way, the learning process is also light practice and the theory, so that the studio -made talent training teaching, the effect is seriously affected [1].

Single assessment and evaluation methods. Most of the existing curriculum evaluation uses the combination of test results and usual results for comprehensive evaluation. It seems to be comprehensive evaluation of students, but ignores the personalized evaluation of students, or emphasizes the workload and ignore the quality of the work, which is not conducive to the quality of the work, which is not conducive to the quality of the work, which is not conducive Students have personalized training and innovation ability [2].

The assessment evaluation ignores the process and emphasizes the results too much. Teachers conduct curriculum evaluations, pay too much attention to the works, only focus on the results of student design and creation, fail to comprehensively evaluate the design and creative process, and the evaluation is incomplete and unscientific. Teachers have failed to conduct effective guidance on the entire process of student design and creation, and failed to pay attention to every detail of design and creation, which is not conducive to improving the overall quality of students' design and creative works [3].

Teachers have strong random assessment and evaluation. When teachers arrange curriculum assignments, they usually take comprehensive consideration of students' comprehensive design ability, innovation ability and aesthetics. There is no basis for quantitative evaluation. When evaluating students' homework or their works, they are randomly scored. "Or" "good", the works with poor performance, not paying attention to details, and poor design effects are set as "poor", which restricts the enthusiasm of students' design and creation. Students do not know how to improve.

Students are at passive evaluation. Students were passively evaluated by teachers, failed to evaluate themselves, and lacked exchanges and interactions with teachers. Even if the results of the created works were determined to be excellent, they did not know the evaluation basis. If the results were low, they did not know the specific reason. Teachers' feedback on students who have doubts have only given the reason for evaluation, which has a negative impact on other students [4].

The supervision system under the training model of the studio system is not sound. Studio operating funds mainly include work remuneration and training funds. Studio instructor teachers lack the supervision mechanism, especially in the face of interests that are easy to lose themselves; training funds mainly depend on school investment, and there is still a lack of funds. The studio operation and management system is not complete, and the operability is not strong [5].

### **3 Establish a Teaching Quality Monitoring and Evaluation System in the Training Mode of the Studio System**

The teaching quality monitoring of the studio based talent training model provides important guarantees to train high -quality skill type talents. Based on the needs of industry talents, joint enterprises jointly formulate the talent training goals of the studio, and

participate in the promotion of the studio's practical teaching process, scientific management, and benign operation, strengthen the monitoring of the teaching process of the studio instructor, and continue to improve through assessment and evaluation. Continuously improve the teaching quality of the studio instructing teachers and students' learning effects, and achieve good social benefits and market benefits. The teaching quality monitoring and evaluation system in the studio system talent training mode [6, 7].

Formulate rules and regulations that are compatible with the teaching quality monitoring and evaluation system under the training mode of the studio system, such as the management measures for the student assessment and evaluation of the studio, design evaluation standards for the teaching process of the studio instructor Quality appraisal measures, etc., to ensure that the implementation of the teaching quality monitoring and evaluation system can be followed.

## **4 The Assessment and Evaluation Method in the Innovative Studio System Talent Training Mode**

### **4.1 Student Assessment and Evaluation in the Studio Based Talent Training Mode**

#### **4.1.1 Evaluation and Evaluation Content**

Studio -made talent training model Highlights the student's learning environment workplace, that is, based on the studio, referring to the establishment of the real workplace environment with reference to the enterprise, to cultivate students' ability to quickly be familiar with and integrate into the workplace; Projects and simulation projects are carriers, which are integrated in learning, integration of production and education, integration of research, research, and engineering, so that teaching, production and social services are integrated; the subject of student status is Students 'interest in learning, cultivate students' ability to learn independently and innovation; practice learning and collaboration, that is, complete project tasks through teamwork, collectively discuss and analyze problems, compare problems solutions, and jointly solve practical problems.

- (1) Evaluate the students' organizational and management abilities based on the progress and actual effects of the teaching projects completed by the students in the studio, the degree of participation and the teamwork.
- (2) Based on the studio students' understanding of the project content and their ability to deal with emergencies during project implementation, evaluate the students' ability to discover, analyze and solve problems.
- (3) Evaluate students' innovative thinking and innovative ability based on the originality of the design theme of the studio student project, the diversity of forms of expression, and the feasibility of work creation.
- (4) Evaluate the students' comprehensive design ability, creative ability and expressive ability in combination with the theme expression effect and display effect of the works created by the studio students and the award-winning results of participating in various science and technology competitions at all levels.

#### 4.1.2 Assessment and Evaluation Method

Promote diversified assessment and evaluation. The traditional method assessment evaluation is mainly evaluated for student mathematical logic analysis and language expression ability, and diversified intellectual theory advocates the intellectual assessment of students in many ways to conduct comprehensive, reasonable and fair assessment evaluation.

Highlight students' self-evaluation and mutual evaluation. Self-evaluation uses themselves as the main body of evaluation, allowing students to participate in evaluation and reflection. Students make comprehensive judgments on self-affirmation of self-affirmation, desire to study, and workplace survivability based on the completion of the project task and the project implementation process. Self-summary and reflection, establish confidence, overcome deficiencies, play their advantages, and develop good learning habits; at the same time, provide important reference information for the studio instructor improvement of project teaching. Mutual evaluation is based on the self-evaluation of students, and discovers the advantages of the other party through mutual evaluation, learn from each other, respect each other, promote each other, encourage each other, and improve together.

Double mentors evaluate students. The studio instructor evaluates and feedback the degree of students participating in the project, organizational management ability and teamwork, and improving the initiative and enthusiasm of the studio students' learning practice; evaluating and feedback on the implementation process of the student project of the studio will help Discover problems in a timely manner, take measures to solve the problem; evaluate and feedback the study summary and work report of the studio students will help students summarize their experience and lessons in a timely manner, and improve their ability to express and communicate. The enterprise mentor introduces the evaluation and evaluation criteria of the enterprise, and evaluates and feedback the student's work attitude, project task acceptance, whether the work task is independent, the method of processing methods and rules and regulations, etc. The gap, improve students' ability to quickly integrate into the workplace.

Student professional ethics. Traditional education mainly evaluates the knowledge and skills of students, and ignores professional ethics; the training model of the studio system has incorporated professional ethics into the student assessment and evaluation system, and is committed to cultivating students' sense of responsibility and professionalism.

Third-party evaluation and social evaluation. Entrusting third-party education data consulting and education quality assessment agencies, such as Michaelis Data Co., Ltd., comprehensively evaluate the quality of the training of the studio of the studio; vocational skills appraisal agencies with national identification qualifications evaluate the vocational skills of students; studio students Creative works participated in the science and technology competitions of various disciplines at all levels at home and abroad, accepted social evaluations and feedback, promoted teaching with the competition, promoted learning with the competition, and promoted reform with the competition.

### 4.1.3 Assessment and Evaluation Method

The studio management draws on the requirements of the enterprise management model and the quality of the job, and adopts the form of weekly evaluation, professional course knowledge evaluation, project teaching evaluation and professional ethics evaluation, and conducts full evaluation of students' professional knowledge, vocational skills and literacy, and professional ethics to strengthen Studio management to ensure that the studio is benign.

- (1) Zhou's evaluation. According to the management measures of the studio student assessment and evaluation, the studio students are evaluated every week. The four levels of qualification, warning and firing, one fired or twice warning, then the student withdrew from the studio, and the excellent and warning can be offset each other. Weekly report once a week and summarize once a month.
- (2) Evaluation of professional courses. Different curriculum types are different and the evaluation methods are different. The project curriculum for the studio in the studio is mainly based on the instructor evaluation, assisting students, part -time teachers or business personnel evaluation; The evaluation of the technicians or part -time teachers is the main evaluation of students, assisting students and teachers for evaluation. Check the professional curriculum knowledge points and internship training logs submitted by the students of the studio, judge the completion of the teaching tasks of students, understand the degree of mastery of students, discover problems in a timely manner to guide solutions, and comprehensively test the knowledge of students' professional courses.
- (3) Project teaching evaluation. After professional courses, consolidate the professional foundation, and evaluate the number and degree of the number of students participating in virtual projects, college students 'innovation and entrepreneurship training projects, and engineering projects, the number and quality of creative works, and at the same time evaluate the students' innovative consciousness, team cooperation awareness, sense of responsibility and sense of responsibility, and the sense of responsibility and responsibility Organizational management ability, etc.
- (4) Professional ethics evaluation. The members of the studio should be at ease and love the work of the studio. They have a high sense of responsibility, dedication, and dedication, unity and cooperation, friendship and mutual assistance, comply with the rules and regulations of the studio, pay attention to personal cultivation, and consciously maintain the image, credit and reputation of the studio. Teachers and students have good relationships.

## 4.2 Teaching Quality Assessment and Evaluation in the Studio-System Talent Training Mode

### 4.2.1 Teaching Preparation Evaluation and Evaluation

Teaching preparation evaluation must be systematic, that is, the course teaching goals as the core, write lesson plans and lectures, determine the teaching focus and teaching method, and strengthen the system and strengthen contact with related courses. It must be time -effective, that is, the course teaching content reflects Time Technology. Develop and social needs, introduce new technologies and cutting -edge knowledge in related

fields into teaching links in a timely manner, and update teaching content; to be targeted, that is, the teaching content must be connected with social needs, talent training meets industry needs, and arrange for professional studios. Teaching task.

#### **4.2.2 Assessment and Evaluation of Teaching Process**

The teaching process evaluation includes work attitude evaluation, working methods and step evaluations, and knowledge application evaluation. The teaching process should teach theoretical knowledge to students to cultivate students' innovative consciousness and design creative ability, which is reflected in phased Strengthen basic knowledge teaching, lay the foundation, and cultivate students' cognitive ability, innovation and expression ability in stages; flexibility, that is, teachers need to cultivate personality, teach according to their aptitude, and cultivate students' thinking flexibility, agility and criticality; innovation; That is, the professional literacy of the instructor must be high, the knowledge is wide, and the practical ability is strong. The content of the curriculum must be new, and the knowledge points are taught to the students in the way of project teaching.

#### **4.2.3 Teaching Achievement Assessment and Evaluation**

The evaluation of teaching results includes some evaluations, some evaluation and design creative results of the project covered by the project. Through evaluation, the various problems existing in the teaching process can be discovered in a timely manner to feedback the teaching ability of teachers; evaluate the degree of grasp of the professional skills of students, and the degree of mastery of students. Teachers explain whether the knowledge points are clear. After class, they can understand the grasp of students' knowledge in time. Students can learn the knowledge they learned, develop a sense of innovation, deepen their ideological awareness, and improve their personality.

#### **4.2.4 Teaching Achievement Assessment and Evaluation**

Completely summarize teaching work and improve the standard of teaching quality. Through the school supervision and hearing class, the second -level college supervision class, leadership listening, peer listening, peer listening, school and secondary college teaching management department inspection class order, student evaluation, teacher evaluation, student symposium, teacher symposium, questionnaire survey, etc. Forms, collect data from various aspects, comprehensively analyze and summarize, form evaluation opinions and suggestions, timely feedback to teachers, take practical measures, supervise and implement, continue to improve, and continuously improve the quality of education and teaching.

## 5 The Assessment and Evaluation Method in the Innovative Studio System Talent Training Mode

### 5.1 The Comprehensive Quality of Students Has Been Comprehensively Improved

Through the formation and ending evaluation of the study process of the studio, the enthusiasm of students' self-learning has been stimulated, and the habit of self-induction and summary has been formed. Solid foundation. Through the evaluation and evaluation of student project practice, students have cultivated the ability of students' unity and cooperation, finding problems and analyzing problems, comprehensive design and practical innovation. Through professional quality and professional ability assessment and evaluation, students' professional ethics levels have been improved, the awareness of entry and responsibility has been enhanced, and the comprehensive quality has been comprehensively improved. After graduation, students can quickly enter the role in their jobs, have strong adaptability, can meet the society of society and universities. Requirements for talent training.

### 5.2 Promoting Studio Instructor Teacher Change

Evaluate the formability of studio students' learning process. The studio instructor teachers pay close attention to the entire process of students' learning. They master the theoretical basic knowledge of the studio students, the performance of process practice, and the completion of the project task. The studio instructor has become a promoter and supervisor for the studio students. Evaluation and evaluation of studio student project practice, studio instructor teachers carefully conduct project teaching, strengthen project guidance, and complete the corresponding project with the studio students. The studio instructor teachers innovate teaching and design, conduct project chemical teaching, consider students' personality differences, and reasonably distribute project tasks, which can greatly stimulate students' interest in learning. The studio instructor teachers continue to practice, continue to practice, and have knowledge. Practice, R & D ability and professional guidance ability. The studio instructor actively advocates the communication and interaction between teachers and students, and students, and has a long teaching and creating a harmonious learning and creative atmosphere.

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## References

1. Jiang Ze Xu. Construction of the integration quality evaluation system of vocational education production and education [J]. Vocational Education Forum, 2018 (5): 34–40

2. Li Yuqian, Chen Wanming. Platform economic model Promoting the research of production-academia cooperation and educating people [J]. Higher engineering education research, 2020 (1): 100–105
3. Zhang Guochen, Peng Xumei, Liu Junpeng. Build a practical exploration of internal teaching quality monitoring and guarantee system with self-assessment as the core [J]. China Higher Education Evaluation, 2016 (3): 43–47
4. Guo Yunyao. Study on the training mode of skilled talents based on the “studio” college [D]. Zhejiang Normal University, 2020
5. Liu Xiaofeng. Under the background of the docking industry, the teaching mode of teachers’ studio innovation and operating mechanism exploration [J]. China Education Technology Equipment, 2017 (10): 93–96
6. Zhou Wenhui, Yanping. The construction and improvement of the teaching quality monitoring and security system of applied universities [J]. Vocational Education Forum, 2017 (19): 45–49
7. Sun Linhui, Zhang Wanyao, Sun Lijuan. Research and practice of the quality monitoring and security system construction of higher vocational education [J]. Education and Teaching Forum, 2015 (12): 164–166

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