

Optimization Strategies for Piano Teaching in Universities in the Era of Quality Education

Yu Yao^{1*}

¹ School of Music and Dance, Lingnan Normal University, Zhanjiang, China

*Correspondence: Yu Yao

Received: 7 March 2026; **Accepted:** 28 March 2026; **Published:** 20 April 2026

Abstract:

Piano teaching occupies an irreplaceable and unique position in the quality education system of universities due to its complex characteristics of the coordinated development of sensory cognition and rational thinking. However, the current teaching practice is generally plagued by problems such as the lack of subject consciousness, weak humanistic background, insufficient classroom interaction, and single evaluation dimension, which restrict the full release of the educational potential of this discipline. This article is based on the reality of frontline teaching, and proposes a highly operable optimization path from four aspects: updating teaching concepts to activate students' subjective judgment, deepening interdisciplinary integration to cultivate humanistic music literacy, innovating interactive mechanisms such as "comparative listening judgment expression performance verification" to enhance classroom depth, and constructing a comprehensive evaluation system covering process evaluation and diverse subject participation, in order to promote the substantial transformation of piano teaching in universities under the framework of quality education.

Keywords:

Quality Education, Piano Teaching in Universities, Interdisciplinary Integration, Multivariate Evaluation

1. Introduction

With the continuous development of China's economic and educational cultural undertakings, society has put forward higher requirements for comprehensive quality talents. The comprehensive implementation of teaching curriculum reform in 21st century society has ushered in a new period of development opportunities for piano teaching reform in universities. Some universities have launched piano teaching courses in order to comprehensively cultivate students' comprehensive qualities, which has attracted the attention of many students. But after a period of piano education courses, various practical teaching problems have emerged, bringing new challenges to the education and training mode of universities. Under the concept of quality education, piano teaching in universities must comprehensively deepen reform and innovate piano teaching models to improve the current situation of piano teaching and achieve the goals of quality education.

2. The Unique Position of Piano Teaching in the Quality Education System

2.1. A composite carrier for the coordinated development of sensory cognition and rational thinking

The level of cognitive integration required for piano performance in terms of technical execution far exceeds the scope of general instrument learning. Learners need to complete visual analysis of multi part scores, independent and coordinated movement arrangements of left and right hands, timing determination of pedal insertion, real-time auditory feedback of sound effects, and timely correction in the same time dimension. This is a continuous training of the ability of the two hemispheres of the brain to work together under high load, and its cognitive complexity is representative of art disciplines [1]. At the same time, the inherent logic of musical interpretation determines that performers cannot remain at the mechanical reproduction of musical notation symbols. They must accurately grasp the composer's structural intentions and integrate their personal understanding of the emotional direction and style temperament of the work into every technical decision. This requires emotional intuition and rational analysis to truly permeate each other in the performance behavior, rather than acting independently in segments. It is precisely because of the high integration of intellectual analysis and emotional investment that piano performance has become an effective practical path for the integration and cultivation of "knowledge emotion" three-dimensional literacy in quality education. Other single skill disciplines are difficult to achieve comparable comprehensive development effects at this level, which is also the inherent reason why piano teaching has a unique position in the quality education curriculum system of universities.

2.2. Special forging mechanism of long-term skill accumulation on willpower quality

The formation cycle of piano skills is fundamentally different from the acquisition laws of general subject knowledge. From the initial standardization of hand shape and finger techniques, to the intermediate use of pedals and tone level control, to the advanced style discrimination and artistic interpretation ability, each level of breakthrough cannot be separated from a long period of concentrated assault, which must go through a large number of repetitive cycles of "error exposure cause analysis targeted correction action internalization". This process objectively provides learners with continuous opportunities to cultivate delayed satisfaction, resilience to setbacks, and self-monitoring awareness in real situations. The forging of willpower occurs in the process of acquiring specific skills, rather than relying on external preaching or theoretical indoctrination [2]. The accumulation of piano skills has a strong progressive perceptibility, and learners can feel the sense of achievement brought by local breakthroughs in each stage of practice. This intrinsic motivation from skill growth itself can encourage learners to maintain stable learning motivation when encountering stage stagnation, gradually forming an endogenous learning motivation characterized by self drive. This is also the core goal of quality education in cultivating willpower and character, and an important educational value that distinguishes piano teaching from other art courses.

3. Review and Reflection on the Current Situation of Piano Teaching in Colleges and Universities

3.1. Teaching philosophy needs to be updated, and the sense of subjectivity is still insufficient

In recent years, the concept of piano teaching in universities has begun to loosen, and some teachers have begun to try using problem guidance instead of direct demonstration, allowing students to have personalized interpretations of their works. This change is worth promoting. However, in the actual teaching process, the inertia logic of “demonstration, imitation, and error correction” still largely dominates the development of the classroom. The authoritative performance of teachers invisibly compresses the space for students to independently construct music understanding, especially in the one-on-one teaching mode. The teacher’s handling method becomes the only reference for students to imitate, rather than inspiring them to form their own music judgment starting point, resulting in the phenomenon of technical standardization and expression convergence. There is still a certain gap between this structural deviation adjustment and the subjective cultivation goal pursued by quality education. This requires teachers to conduct a more systematic self-examination in teaching concepts and classroom organizational logic.

3.2. The teaching content is relatively single, and the humanistic foundation needs to be strengthened

In terms of the overall layout of course content, piano teaching in universities has recognized the necessity of emphasizing both skill training and humanistic literacy. Some universities have also included music background explanations in their regular teaching, which is a positive direction for exploration. However, in terms of actual lesson allocation and assessment orientation, humanistic content such as music history theory, aesthetic analysis of works, and cross-cultural context interpretation still play an auxiliary role. Taking Bach’s polyphonic works as an example, the teaching focus is mostly on technical requirements such as clarity of voice parts and finger independence. There is less in-depth guidance on the religious and cultural context of the Baroque period and the spiritual logic of counterpoint writing. Students can complete the restoration of the technical level, but it is difficult to convey the era’s emotions and cultural thickness contained in the works during performance. There is still great room for improvement in the depth of integration between technical acquisition and humanistic understanding.

3.3. The teaching method is relatively traditional, and the classroom vitality needs to be stimulated

Overall, piano teaching methods in universities have shown a certain trend of diversification, with the use of multimedia assisted demonstrations and online teaching resources gradually becoming popular in various colleges and universities, and teaching forms becoming more diverse than before. However, in terms of the depth and breadth of classroom interaction, the linear process of “teacher playing, student listening, and home practice” still dominates in a considerable number of colleges and universities. Critical listening, peer evaluation, collaborative performance, and other links that can activate students’ active thinking have not yet formed a stable teaching mechanism. The application of digital resources mostly remains at the shallow level of playing demonstration videos. The systematic model

combining flipped classroom and classroom discussion is still being explored. How to truly turn technological tools into teaching support that stimulates classroom interaction and deep thinking is still an urgent practical problem that needs to be solved.

3.4. The evaluation system is relatively single, and the multiple dimensions need to be improved

In terms of evaluation mechanism, the final performance exam is the main evaluation method, which plays a positive role in standardizing teaching standards and ensuring basic technical proficiency. This mechanism is reasonable. However, the problem of excessive reliance on summative evaluation is becoming increasingly prominent. Literacy dimensions such as music comprehension, the extent of progress in the learning process, the depth of classroom participation, and the application of interdisciplinary thinking are difficult to reflect in the existing evaluation framework. The relatively single evaluation criteria make some students regard the technical polishing of exam tracks as the main goal of learning, and the sustained attention to the overall improvement of music literacy is weakened. Creating a comprehensive evaluation system that includes process evaluation, multi-party participation, and personalized development considerations is an institutional guarantee for promoting the deepening of piano teaching reform.

4. Optimization Strategies for Piano Teaching in Universities in the Era of Quality Education

4.1. Update teaching philosophy and effectively establish the student-centered position

The key to establishing the status of students as the main body lies in whether teachers can truly transfer the interpretation power to students in specific classroom decisions, turning the processing opinions that were originally one-way output by teachers into a dialogue process between teachers and students. In practical operation, teachers can leave a “premiere analysis” section for each new piece before entering the technical breakthrough stage, allowing students to complete the first reading of the work without any guidance, and then express their understanding of speed, intensity, and clause logic orally. Teachers decide the subsequent teaching methods based on students’ cognitive starting points, rather than using a unified interpretation framework to cover students’ individual judgments [3]. The core value of this approach is to integrate students’ pre understanding into the process of generating teaching content, making the classroom a real field where teacher experience and student perception collide with each other. For classes with varying levels of proficiency, teachers can set different learning tasks within a music framework based on students’ skills and music perception. Students with weak skills and keen perception should focus on sorting and expressing emotional logic, while students with good skills and conservative expression should value the comparison and selection of various processing methods. In a unified teaching content, students’ subjectivity can be stimulated in a layered manner, avoiding the establishment of a subject status being just empty words that cannot be implemented in action.

4.2. Deepen interdisciplinary integration and comprehensively cultivate humanistic music literacy

The true implementation of interdisciplinary integration in piano teaching relies on teachers turning humanistic knowledge such as history, literature, philosophy, etc. into understanding tools that can directly affect performance decisions. Taking Debussy's teaching of Impressionist piano works as an example, before guiding students to analyze the relationship between pedal application and sound layering, it is possible to first present the visual capture methods of Impressionist painters such as Monet and Sisley for the instantaneous changes of light and color, so that students can transfer the aesthetic logic of "contour melting in light and shadow" in painting to the technical understanding of "boundary blurring processing" of piano sound, and make the selection of pedal depth change from mechanical compliance to active judgment with aesthetic basis [4]. For works with a strong social and historical background, teachers can introduce relevant literary texts or historical materials into the classroom in the form of brief excerpts, establishing an emotional channel between reading and playing, so that the intensity markings and speed changes on the score are directly supported by historical context. Interdisciplinary knowledge transfer does not require teachers to have a comprehensive background in humanities, but rather to develop a teaching habit of extending performance issues to humanistic contexts, so that every technical decision has a reasonable cultural and emotional basis behind it.

4.3. Innovate teaching methods and focus on improving the quality of classroom interaction

The focus of improving the quality of classroom interaction is to design teaching structures that can truly mobilize students' thinking and participation. Comparative listening, judgment expression, and performance verification are relatively easy interactive methods to operate in the classroom. Teachers select two or more performance recordings of the same work with different styles, allowing students to make comparative judgments on speed processing, timbre selection, and emotional direction after listening. On the piano, students try to restore their own more convincing processing plans. In this process, students' listening changes from passive acceptance to active identification with analytical purposes, and performance changes from technical execution to empirical testing of music judgment [5]. A "peer performance evaluation" section can be set up in group or collective classes, where listening students provide specific evaluations of the performer's handling of a certain technical or expressive problem. The evaluation content should be implemented in perceivable audio details, rather than vague statements such as "full of emotions" or "stable rhythm". Teachers can supplement and revise after student evaluations, thus leading classroom interaction to a substantive level of music discussion. The production and application of micro lesson videos can also be embedded into this mechanism. Teachers record high difficulty technical movements in a slow manner and add keyframes. Before class, they send them to students for them to read independently. Classroom time is mainly used to solve specific problems that students encounter during self-study, allowing limited classroom time to be more invested in deep interaction.

4.4. Building a diversified evaluation system to effectively drive sustained growth

The establishment of a diversified evaluation system requires simultaneous adjustments in three aspects: evaluation subjects, evaluation dimensions, and evaluation time nodes, in order to truly promote the sustainable development of students. On the evaluation subject, self-evaluation and peer evaluation can be routine

assessment items. Students are required to submit a written analysis report on their own performance videos in the middle of each semester, which includes self diagnosis and improvement plans for technical problems. Teachers will give students process evaluation scores based on the depth of analysis in the report. This mechanism can effectively cultivate students' awareness of self-monitoring and turn evaluation into an internal reflection motivation. In terms of evaluation dimensions, in addition to technical completion, two independent indicators, "music understanding and expression" and "learning progress", should be established. The former is evaluated through oral or written explanations after performance, while the latter is evaluated through comparative analysis of performance videos at the beginning and end of the semester, thus opening up a fair channel for students from different starting points to obtain recognition. In the setting of evaluation nodes, the mid-term video archive and the final live performance are listed as assessment contents, which creates internal pressure for students to continue to work hard in the process of advancing the semester, rather than focusing all preparation on the short-term sprint before the end of the semester. Therefore, the regulatory effect of the evaluation mechanism on learning behavior is truly activated.

5. Conclusions

The reform path of piano teaching in universities fundamentally means internalizing external institutional changes as a process of teachers' daily teaching judgments. No matter how well-designed the system is, if it cannot be implemented in the specific decisions of each class, its effectiveness can only remain in the text. The new challenges posed to piano teaching in the era of quality education are not about replacing old concepts with new ones, but about synchronously advancing in four interrelated aspects: updating concepts, expanding content, innovating methods, and rebuilding evaluations. Any partial improvement in any aspect cannot shake the overall inertia of the existing teaching ecology. It is worth noting that the effectiveness of the reform is delayed, and the real improvement of students' music literacy will take several semesters to accumulate in terms of performance level and depth of humanistic understanding, which can be perceived. This requires teachers to maintain sufficient patience and determination when promoting the reform, using teaching reflection instead of anxious pursuit of immediate results. Only then can the concept of quality education truly penetrate into the daily texture of piano teaching, rather than just staying at a cyclical policy response.

Conflicts of Interest

The author declares that there is no conflict of interest regarding the publication of this article.

Funding

This research received no specific grant from any funding agency in the public, commercial or not-for-profit sectors.

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