

DEVELOPMENT OF AN ONLINE LATIN DANCECOURSE MODULE TO ENHANCESTUDENT-CENTRED LEARNING

Lin Zheng¹, Dr. Fara Dayana Binti Mohd Jufry², Dr. Leng Pohgee³

¹Faculty of Music And Performing Arts ,Sultan Idris Education University,Malaysia

²Faculty of Music And Performing Arts ,Sultan Idris Education University, Malaysia

³Faculty of Music And Performing Arts ,Sultan Idris Education University, Malaysia

ABSTRACT

The development of the Latin dance online course module focuses on the application of student-centered educational concepts in online courses. This paper analyzes the current state and challenges of online education, combined with the characteristics of Latin dance courses, and proposes a student-centered course design framework. From the perspective of technological support and teaching methods, it elaborates on how to provide students with an interactive and personalized learning experience. By effectively integrating modern technologies such as artificial intelligence and augmented reality, student engagement and learning outcomes in online Latin dance teaching can be significantly enhanced.

KEYWORDS

Latin Dance; Online Course Development; Student-Centered; Instructional Design; Personalized Learning; Interactivity

1 Introduction

With the continuous development of internet technology, online education has gradually become an important mode of learning. Latin dance, as a popular art form, is attracting more and more attention. However, due to the high requirements for precision and interaction in Latin dance, online teaching faces great challenges. To ensure that students can effectively learn Latin dance and enjoy a personalized learning experience, the student-centered teaching concept becomes particularly important. The student-centered educational concept emphasizes designing instructional content based on students' interests, needs, and abilities, thereby improving the effectiveness and proactivity of learning. This concept aligns with the flexibility and personalization characteristics of online education, providing students with learning experiences that better meet their individual needs.

2 Current State and Challenges of Online Education

2.1 Development of Online Education

In recent years, online education has developed rapidly. Especially with the impact of the COVID-19 pandemic, more and more people have chosen to learn through the internet, accelerating the expansion of the online education market. The advantage of online education lies in its flexibility;

learners can study anytime and anywhere. Moreover, online education breaks the limitations of traditional classrooms through the internet, enabling broader sharing of educational resources. Platforms such as Coursera, Udemy, and EdX offer diverse course options to learners from around the world.

However, online education is not limited to theoretical courses; in recent years, art courses have also gradually been taught online. Dance courses, as a type of course that requires high levels of practice and interaction, face particular challenges. Latin dance, as a form of dance that involves bodily expression and interaction with music, requires a more refined and personalized online course design to ensure that students can effectively master the learning content.

2.2 Challenges of Online Education

Although online education has many advantages, there are still many challenges in terms of teaching quality and learning outcomes. First, the lack of interactivity in online teaching is a major issue. Especially for Latin dance, which requires high interaction between teachers and students, the direct guidance and feedback provided in traditional classrooms are difficult to replicate in online teaching. In addition, students' self-discipline and motivation are also important factors affecting the effectiveness of online courses. The lack of face-to-face interaction may lead to decreased student motivation, ultimately affecting learning outcomes.

For dance courses, precision and coordination of movements are crucial, and these are achieved through teachers' observation and timely feedback. How to effectively use technological means to help students adjust their posture and movements is a key issue that must be addressed in developing high-quality online dance courses.

3 Student-Centered Educational Concept

3.1 Overview of Student-Centered Teaching Concept

The student-centered teaching concept emphasizes learners' autonomy, interests, and individual needs. Compared with traditional teacher-led teaching, student-centered teaching pays more attention to students' individual differences and autonomous learning abilities. This teaching method not only requires teachers to design content based on students' interests and abilities but also guides students to play an active role in the learning process.

In Latin dance teaching, student-centered methods are particularly important. Learning Latin dance requires continuous practice and adjustment, and each student's progress and learning needs are different. Therefore, a student-centered teaching approach can help teachers better understand students' needs and design personalized teaching plans, thereby improving learning outcomes.

3.2 Application of Student-Centered Concepts in Online Education

In an online education environment, the student-centered concept can be realized through technology. For example, by using big data to analyze students' learning behaviors and progress, online platforms can recommend appropriate learning content and progression paths based on student performance. In addition, features such as discussion boards and real-time feedback systems in online education can help students interact with teachers and peers, increasing learning motivation and engagement.

For Latin dance online teaching, teachers can engage in regular one-on-one video sessions with

students to understand their learning progress and issues. Meanwhile, diverse learning resources, such as step-by-step instructional videos, interactive exercises, and rhythm training, can better meet students' personalized needs and keep them engaged and effective during the learning process.

4 Specific Characteristics of Latin Dance Courses

4.1 Dual Nature of Art and Movement in Latin Dance

Latin dance, as a dance form that integrates art and movement, involves learning dance steps, understanding musical rhythm, and using physical expressiveness to convey emotions. Thus, the instructional content of Latin dance possesses both artistic and technical characteristics, requiring a balance between accuracy of movements and emotional expression.

In a traditional classroom, teachers can help students learn dance steps, adjust posture, and understand the emotions behind the dance through demonstration, correction, and guidance. However, in an online environment, the lack of face-to-face interaction and physical correction may make it difficult for students to accurately understand dance movements and express the intended emotions. In such cases, how to effectively translate Latin dance instructional content into an online course becomes a pressing issue.

4.2 Main Challenges of Online Teaching for Latin Dance

The main challenge of online teaching for Latin dance lies in ensuring that students accurately master the steps and resonate with the music rhythm. Since online teachers cannot correct students' movements in real time, students may develop incorrect habits during their practice. Additionally, Latin dance emphasizes body movement coordinated with musical rhythm, and course design must consider how to effectively present rhythm in an online setting and help students build a connection with the music.

Another challenge is that Latin dance has strong individual requirements for learners. Different learners may have significant differences in mastering dance steps, physical flexibility, and rhythm comprehension. Therefore, reflecting personalized learning paths in course design to help students of different backgrounds and abilities learn effectively is key to online course development.

5 Design of Latin Dance Online Course Module

5.1 Course Structure Design

The design of the Latin dance online course module should fully consider the needs of different learners. The overall course can be divided into three levels: beginner, intermediate, and advanced, each with different teaching goals, content, and practice methods.

Beginner Level: For beginners, the focus is on teaching basic dance steps, body posture, and rhythm. The course content mainly includes breakdown of basic steps, simple movement combinations, and how to move to the rhythm of the music.

Intermediate Level: After students master the basic steps, the intermediate course will add complex movement combinations and spin training, helping students incorporate more expression into the music. This level emphasizes the fluidity of movements and the artistic performance of dance.

Advanced Level: The advanced course focuses on dance techniques and emotional expression. Students need to learn challenging moves and dance routines while improving their understanding

of the music and expressing rich emotions through dance.

Course module design should emphasize student interactivity and engagement, using task guidance and practice feedback to stimulate students' interest in learning. Each level should include theoretical explanations, movement demonstrations, practice tasks, and instant feedback to comprehensively enhance student learning.

5.2 Interactivity and Feedback Design

Learning Latin dance requires constant practice and correction, a process that heavily relies on teacher feedback and interaction. To address the lack of interactivity in online teaching, the following methods can be used to enhance interaction and feedback:

Video Upload and Teacher Feedback: Students can upload videos of their practice to the platform, where teachers can evaluate and provide specific feedback to help correct mistakes in a timely manner.

Real-Time Interactive Classes: Real-time interactive classes can be held periodically, where students can interact one-on-one or in groups with the teacher via live stream to address learning challenges on the spot.

Automated Feedback System: Using AI technology, students' movements can be automatically analyzed and suggestions provided. This technology compares students' actions with standard movements, helping students adjust their posture and improve accuracy.

5.3 Personalized Learning Path Design

To meet the needs of different learners, personalized learning should be integrated into course design. The system can generate personalized learning paths based on students' learning progress, interests, and performance. For example, for students with a strong foundation, the system can suggest skipping beginner courses and moving directly to intermediate or advanced levels. For students encountering difficulties, the system can recommend relevant tutorial videos and practice tasks to help consolidate their foundation.

Additionally, learners can choose different types of Latin dance courses, such as Rumba, Cha-Cha, and Samba, according to their interests. Each dance style has different content and teaching methods, and such personalized choices can enhance student interest and participation.

5.4 Summary: Implementation and Evaluation of Course Design

The course module must undergo thorough testing and evaluation to ensure its effectiveness for learners. To further improve course outcomes, instructional designers should continuously optimize course structures and content based on student feedback. For instance, data analysis on student participation and completion can identify weak points in the learning process, allowing adjustments to instructional strategies and adding detailed explanations and reinforced training for challenging areas.

6 Integration of Technology and Instructional Design

6.1 Application of Artificial Intelligence and Data Analysis

The application of artificial intelligence in online education can provide effective support for Latin dance courses. AI technology can capture and analyze students' dance movements, enabling teachers to understand student progress and provide targeted guidance. In addition, data analysis

can help the system automatically adjust instructional content, recommending appropriate resources to enhance personalization and learning effectiveness.

AI can also be used for learning assessment. By analyzing students' uploaded videos, AI can evaluate the accuracy and fluidity of movements and provide quantitative scores. This data-driven assessment approach helps students clearly understand their learning status and practice accordingly.

6.2 Application of Augmented Reality (AR) and Virtual Reality (VR)

Augmented reality (AR) and virtual reality (VR) technologies have vast potential in dance teaching. Through AR technology, students can see virtual dance guidance in their real environment, providing more intuitive guidance during home practice. VR technology offers immersive learning experiences, simulating a stage environment that helps students adapt to performance scenarios, enhancing stage presence and dance skills.

AR and VR technologies also provide students with a multi-sensory learning experience, which helps improve concentration and engagement during practice. For example, students can practice dance moves in a virtual stage environment, which not only helps them better understand the relationship between dance steps and music but also builds confidence and expressiveness in performance.

6.3 Data-Driven Personalized Teaching

Data analysis allows teachers to track student progress and identify challenges in the learning process. These data can be used to generate detailed learning reports, helping students understand their learning outcomes. Teachers can also adjust their teaching strategies and develop more targeted instructional plans based on these reports. Additionally, personalized learning suggestions and practice content can enhance student motivation, allowing them to gain more satisfaction during the learning process.

Data-driven personalized teaching is not only applicable to individual students but also beneficial for optimizing group courses. For example, if the system identifies that most students struggle with a specific step or movement, the next course can include more detailed explanations and practice for that movement, helping all students overcome learning obstacles.

7 Conclusion and Future Prospects

In summary, the development of a Latin dance online course module requires a balance between technological support, instructional content design, and a student-centered educational concept. By adopting modern technologies such as artificial intelligence and augmented reality, many of the challenges of lacking interactivity and personalization in online teaching can be addressed. Student-centered course design can not only increase students' interest and engagement but also help them master dance skills more efficiently.

Future online education should focus more on personalized learning and interactivity, especially in art courses, by continuously improving technological tools and instructional methods to provide students with more realistic and efficient learning experiences in virtual environments. Teachers should also continuously enhance their online teaching abilities, utilizing modern technologies to provide students with richer learning resources and higher-quality teaching services.

Future technological advancements will bring more possibilities to dance teaching, such as improving feedback precision through motion capture devices or enhancing student interaction

and teamwork through social learning platforms. As technology evolves, the experience of online dance teaching will become closer to that of offline classrooms and may even surpass traditional teaching methods in some aspects, allowing students to gain more joy and a sense of accomplishment during the learning process.

References

- [1] Sun Zhiqiang. Current Status and Development Trends of Online Education[J]. Education and Modernization, 2022.
- [2] Li Xiaolin. Application of Student-Centered Instructional Design in Online Education[J]. Chinese Journal of Education, 2021.
- [3] Wang Hongmei. Exploration of Interactivity and Feedback Mechanism in Dance Teaching[J]. Art Education Research, 2020.
- [4] Zhang Wei. Application and Prospects of Artificial Intelligence Technology in Online Education[J]. Information Technology and Education, 2022.
- [5] Chen Li. Application Prospects of Augmented Reality and Virtual Reality in Dance Teaching[J]. Modern Educational Technology, 2023.