Research on Evaluation System of Aerobics Major Student in Multiple Intelligences Theory

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Abstract. Academic achievement evaluation is an important standard to measure the overall level of student's comprehensive quality and academic knowledge. At present, the evaluation of the achievement of the students in our country is still in the traditional mode, which focuses on the assessment of sports skills, ignoring the emotional attitude, learning performance and other non cognitive factors. This study introduces multiple intelligences theory, from four aspects of the evaluation of the evaluation, evaluation principle, evaluation content, evaluation method, through the decomposition of evaluation content, set evaluation method to build a new multiple intelligent theory of aerobics professional students achievement evaluation system. Aims to improve the sports skills and social awareness of the students in the aerobic exercise, and promote the sustainable development of the teaching reform in colleges and universities.

Introduction

"Personnel training" is the core of teaching work, but also is basic function of college and university education. Academic achievement evaluation as the main part of the education evaluation, should be based on the development of students as the main task [1]. Teaching evaluation is based on certain teaching objectives, teaching principles and standards, use of practical evaluation methods and means, systematic research the student's learning and teachers' teaching, comprehensive study on the whole and local teaching system and assess their value and advantages and disadvantages in order to improve the process point [2]. The traditional teaching only pays great attention to the basic knowledge and the basic skill, pay particular attention to the measurement and evaluation of students to the facts and principles of the master. However, the modern society is more and more need of the diversity of talents, evaluation should reflect the development trend of the diversification of talents. Therefore, not only pay attention to student's cognitive situation, but also pay attention to other aspects of the individual development, establish a positive learning attitude, innovative spirit, analysis and problem-solving skills and the right outlook on life and values, etc. This study is evaluating the development of aerobics professional students as the theme, which based on multiple intelligences theory and the development trend of the modern education research to build the evaluation system of the academic performance of the students in the aerobics major. Mainly to examine what students have learned, and then the students whether to learn to learn, learn to live, learn to cooperate, learn how to be a man, also conduct a comprehensive evaluation.

Current Situation of the Development of the Student's Achievement Evaluation in the Aerobic Major

Aerobics course is the core curriculum of professional sports, it is in the compulsory course which based on broaden and deepen aerobics sports theory knowledge, training teaching, training and scientific research ability, improve the technical level of sports courses, has the important task of cultivating professional talents, promoting the rapid development of China's aerobics program [3]. In recent years, aerobics professional teachers on the evaluation of student achievement evaluation is more traditional, there are many imperfect places in the process of evaluation: in the evaluation method and way, focus on quantitative evaluation and neglect qualitative evaluation, the evaluation method is lack of technology and method, and the evaluation process is lack of flexibility and

dynamic; In the assessment content, reliance on the technology and theory too much, while ignoring emotional attitude, the evaluation of learning performance and other non cognitive factors; in the evaluation criteria, focus on evaluation of common and general trend, ignoring the uniqueness of individual development; in the evaluation of the body, still base on top-down evaluation, the majority of the people in the evaluation are in a passive position.

Connotation and Constitution of Multiple Intelligences Theory

Multiple Intelligences is called for MI theory, a famous American educator, Harvard University, Professor Gardiner-Howard proposed in 1983. Professor Gardiner-Howard believes that the nature and structure of the intelligence, intelligence isn't a certain ability or a certain ability to integrate several capabilities, but are relatively independent, mutual equality of various capabilities [4]. These abilities include verbal linguistic intelligence, musical-rhythm intelligence, logical mathematical intelligence, visual spatial intelligence, bodily kinesthetic intelligence, insight introspection intelligence, interpersonal intelligence, natural observation intelligence and life intelligence. Multi-intelligence theory provides a kind of multi - dimensional view of student's intelligence and methods, breaks through the previous people's understanding of intelligence, its wide and open-up to the right, reasonable, comprehensive evaluation of student's learning, provides a high reference value.

Establishment of the Evaluation System of the Student's Achievement in Aerobic Major

The evaluation system of academic performance of the students of aerobics in the multiply intelligences theory is based on the student's academic performance, with the theory of multiple intelligences theory as the basic concept, make a scientific judgment to the course and results of the student's aerobics course during the period of school [5]. The main purpose of the multiply intelligences evaluation is not only promoting the reality, but also diversifying; it should be combined with the content of the activities, but also pay attention to the individual differences and their own advantages as the center; not only pay attention to the end of the evaluation, but also pay attention to the process evaluation. Specific content as shown in Fig. 1.

- (1) The evaluation system of the achievement evaluation system should follow the idea of multiple evaluation, situation evaluation and dynamic evaluation. Multiple evaluation thought is more diverse, comprehensive and diverse, which makes the evaluation results more diverse, comprehensive and diverse, so that students can provide real life problems and challenges, and provide students with relevant knowledge, skills, attitudes and wisdom.
- (2) The overall principle of the evaluation system, which is based on the impact of the evaluation system, is scientific and objective. At the same time, the design principle is put forward according to the evaluation content, evaluation method and evaluation results. The design of the evaluation content mainly follows the principle of distinguishing treatment, independence and comprehensive, and the design of the evaluation method mainly follows the operability, development and guiding principle.
- (3) The evaluation system to build a trinity of evaluation content, namely: knowledge and skills (Language-verbal intelligence; logical-mathematical intelligence; bodily-kinesthetic intelligence); process and methods (visual-spatial intelligence; music-rhythm intelligence; nature observation Intelligence), emotional attitude and value view (interpersonal intelligence; intrapersonal intelligence; existential Intelligence).
- (4) The evaluation system launch scientific evaluation methods, in theory course, suggest speak, evaluation and hands-on evaluation methods and combine open book or closed book; and technology course advocate pay equal attention to technology assessment, compliance testing and lessons and design course.

Analysis on the Content of the Achievement Evaluation of the Students in Aerobic Major

The establishment of the evaluation system of the academic achievement of the students of aerobics in the multiply intelligence theory, the teaching contents of the knowledge and skills, process and method, emotion attitude and value concept are needed. At the same time, different kinds of evaluation ability need to be tested by different evaluation methods [6]. Evaluation methods and contents show in Table 1.

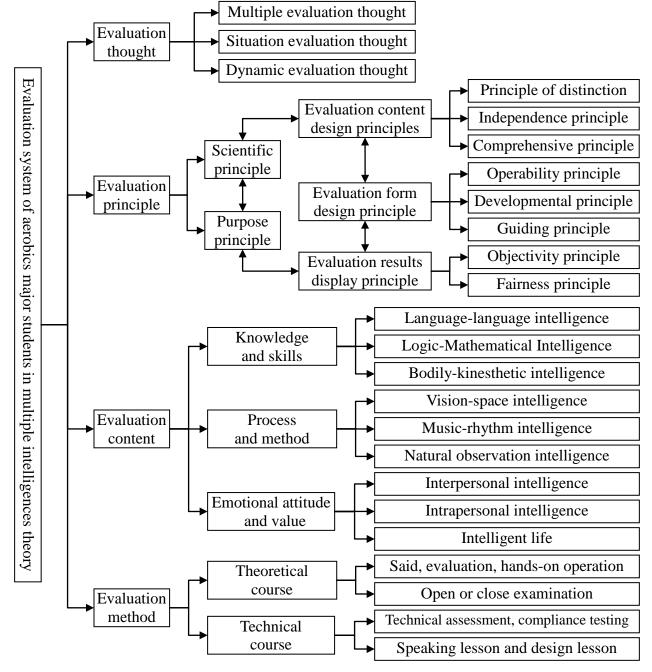


Fig. 1. Evaluation system of aerobics major students in multiple intelligences theory

(1) Verbal-linguistic intelligence refers to the ability to the mastery of language, the performance of the individual can be smooth and efficient use of language to describe the event, use of language the performance and the ability to communicate with others [7]. Aerobics program mainly exercise the student's language skills and writing skills. Language ability evaluation method include technical explanation lessons, and shout to practice gymnastics. Writing ability of the evaluation method for the preparation of lesson include plans, training diary, small paper.

(2) Logic-mathematical intelligence refers to the ability of computational reasoning and scientific analysis, which is expressed as the sensitivity of the relationship between the various relations, such as analogy, contrast, cause and effect, logic, and so on. In the aerobics program, the main aim are exercise student's mathematical calculation ability and logical reasoning, analysis ability.

Table 1. Summary table of achievement evaluation method for the student of the aerobics major

diffillary table of acti	ic venient evaluation metri	od for the student of the aerobics major
Evaluation content	Evaluation ability	Evaluation method
Language-language intelligence	Language expression ability	Explain, lessons, gymnastics, shouted
	Writing ability	Writing lesson plans, training diary, small paper
Logic-Mathematical	Mathematical calculation ability	Surveying or measurement, record
Intelligence	Logical reasoning and analytical ability	Layout, design, technical diagram
	Action technical ability	Action demonstration, action reviews, technical assessment
	Physical ability	Compliance testing, technical evaluation
Bodily-kinesthetic intelligence	Teaching practical ability	Speaking, writing teaching plans, organization of training games, arrangements
	Referee, appreciation ability	Organize small sports meeting, the referee practice, watch the game video
Vision-space	Vision transfer ability	Micro teaching practice, action painting sketch, group correction
intelligence	Space, time perception	Students self assessment, organizational games, action demonstration
Music-rhythm	Music and action combination	Incidental music
intelligence	Perception of sound	Call password
	Rhythm ability	Technical rhythm, teaching rhythm
Natural observation	Observation ability	Corrective action, watch video
intelligence	Resolving ability	Time, equipment placement
Interpersonal	Communication ability	Interview, group discussion and mutual evaluation
intelligence	Communicative ability	Group mutual aid practice, group activities
Intrapersonal	Insight ability	Questionnaire and self identification
intelligence	Introspection Ability	Interview, personal planning
Intelligent life	Life identification ability	Questionnaire and self identification
memgent me	Value orientation ability	Interview, personal planning
	Evaluation content Language-language intelligence Logic-Mathematical Intelligence Bodily-kinesthetic intelligence Vision-space intelligence Music-rhythm intelligence Natural observation intelligence Interpersonal intelligence Intrapersonal	Evaluation content Language expression ability Writing ability Mathematical calculation ability Logic-Mathematical Intelligence Bodily-kinesthetic intelligence Writing ability Logical reasoning and analytical ability Physical ability Physical ability Referee, appreciation ability Vision-space intelligence Music-rhythm intelligence Music-rhythm intelligence Music-rhythm intelligence Interpersonal intelligence Interpersonal intelligence Intelligence

⁽³⁾ Bodily kinesthetic intelligence refers to the ability to use the whole body or body part of problem solving or manufactured products Bodily kinesthetic intelligence is the core of the aerobics project part, shows the speed, strength, endurance, agility, flexibility, and physical fitness, training student's action technical ability, body quality and ability, teaching ability and organization, judgment and appreciation ability. Action technical ability of the evaluation method express action demonstration, action review, technical assessment.

⁽⁴⁾ Visual-Spatial intelligence refers to the ability to form a world of external space in the brain and be able to use and operate the model. Performance is sensitive to lines, shape, structure, color and spatial relations, and the ability to display them through graphic and three-dimensional

modeling [8]. Vision-spatial intelligence is the ability of the students exercise the visual ability and space and time.

- (5) Music-rhythm intelligence refers to the ability to create, communicate and understand the meaning of a signal consisting of notes, which is sensitive to the individual's ability to express music, including rhythm, tone, tone, tone and melody, and by composing, performing and singing. Music and rhythm in the aerobics project is very important, which is mainly exercise the ability of the student's music and the combination of the aerobics, the perception of the sound and the rhythm.
- (6) Naturalist intelligence refers to the ability to recognize, classify and use natural features to solve problems: performance of a variety of animals, plants, and distinguish between natural and artificial environments. The ability to observe and identify the student's ability to observe in the aerobics program. Observe the ability of the evaluation method correct the wrong action and watch the video. The evaluation method for the resolution of the ability are time and equipment.
- (7) Interpersonal intelligence refers to the ability to recognize, recognize and understand the feelings and intentions of others and to solve problems. Ability to perceive and experience the emotions, feelings, and intentions of others and respond accordingly [9]. In the aerobics program, the main exercise students' communication skills and communication skills. The evaluation method of communication ability is the interview, group discussion and mutual evaluation. The evaluation method of association ability are the group activity and group activity.
- (8) Intrapersonal intelligence refers to the knowledge, insight and reflect on their own ability, namely, establish accurate, true self model and in real life effectively using this model. The student's self cognition and self reflective ability in the aerobics program. The evaluation method of the insight are the questionnaire and self identification. Reflection ability evaluation methods are interviews, personal planning.
- (9) Existential intelligence refers to the existence of life, thinking about life and death and the ultimate world of the tendency. In the aerobics program, the main exercise of the students and personal positioning. The evaluation method of value determination ability are the questionnaire and self appraisal. Personal positioning ability of the evaluation method are interview, personal planning.

Conclusion

In summary, the establishment of the evaluation system of the academic achievement of the student of aerobics in the multi intelligence theory Can effectively solve the problems in the evaluation process of the college student's performance of aerobics major student in the process of the existence of a single, single subject, single way, and so on [10]. At the same time, the comprehensive application of diversified evaluation, evaluation principle, evaluation content and evaluation method will enhance student's sports skills, improve student's comprehensive ability, cultivate student's good emotional attitude, and promote the rapid development of college teaching reform.

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