

DRUM SET FOR MUSIC STUDENTS IN RAJABHAT UNIVERSITIES

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ABSTRACT

The objective of the research “Drum Set for Music Students in Rajabhat Universities” was to construct a drum set instructional package and find the efficiency of the instructional package for music students in Rajabhat Universities. The result of the research revealed that the efficiency rate in terms of interview was higher than the determined criterion of 80/80.

In terms of the comparison of the achievement before and after the practice, the result revealed that the achievement after the practice was higher than the achievement before the practice and the statistic significance level of 0.5 which conformed to the Thai Qualifications Framework (TQF).

KEYWORDS: Drum Set, Instructional Package, Rajabhat Universities

INTRODUCTION

Presently, music instruments that has a main function as a metronome or the controlling instrument in the band such as string band, country band, folk band or other genres of band such as jazz, blues. Amongst the variety of such bands and music for both international band and local band, a drum set is considered as the metronome that plays an essential role in the band at present.

According to the study of the drum set, the historical backgrounds of the American Drum Set or the Standard Drum Set that obviously seen at present has taken place since a minimum period of a thousand year ago before the emerge of drum set nowadays. Such circumstance caused by the inseparable cultural connection between 3 continents while drum is maybe considered as the primary music instrument that invented before other music instruments with melody in order to use in the religious rituals or other rituals based on the beliefs of each ethnic and also used as the battle signal in the ancient warfare. China was the primary country that used the drums in religious rituals [1]

[2] has defined the term ‘creativity’ according to the concept of Charles Limb, associate professor of Otolaryngology-Head and Neck Surgery at John’s Hopkins University that creativity can be developed all the time. In the United States of America, a large number of schools have applied more music subjects into the course as it found that the brains of children have been stimulated by music and lead to more understanding towards the lessons as well as the creation of new ideas and particularly, listening to jazz music has an effect to brain wave.

For educational aspect, practical course for jazz music is provided as well as practical jazz drumming and the university has enrolled practical jazz drumming into the its course. Jazz drumming is the music instrument which the practical course is provided in almost educational levels from primary level to higher education. It can be seen that the lack of personnel in the field such as instructors is oppose to the demand of interested people which increasing nowadays. Moreover, the materials related to the subject are mostly published in foreign languages. As a result, interested people and researcher tend to have less interest towards the subject than it should be.

For this reason, the practical instructor for jazz drumming in the institution of education that the course is not yet provided may instruct the students sometimes depends on the instructor. Nevertheless, the systematic instruction is not distinctly provided for the accuracy of the studying process of the jazz drumming. As jazz drumming is considered as a music instrument that the students in all levels are able to study including primary level to higher education as well as Bachelor’s degree and Master’s degree while the

course may also be recently extended its availability to Doctorate degree in order to response the education in terms of the music development. [3] explained that music is a subject that provided for interested people in a large number of university and Rajabhat Music Institutes. Nevertheless, there are still, a few numbers of graduates as the foundation of the course is quite costly. In general, the majors contain Thai music, western music and music education. The program is required the improvement to qualify the instruction. The objective of all institutions is to produce high-skilled and well-performed graduates with the music theory knowledge and ability to express the music skill. The instructor is an essential factor which has a large impact on the students, not only in the faculty of music, but also others. As a result, the researcher has an interest in constructing the jazz drumming instructional package. A long-term plan must be conducted in order to achieve the objectives of the course and apply the information with the activities for the students. An instructor also have to conduct a research regarding a good method of teaching including providing the learning materials for the understanding of the students such as music instruments along with music notebook and other materials. [4] said that the success of jazz drumming studying will be achieved if the essential factor is provided, not only for music subject but other subject.

In consequence, the researcher has interests in the construction of a jazz drumming instructional package for Thai undergraduates by capturing the knowledge and experience from the instructor of the jazz drumming subject, together with the study, research, textbooks and reference books and construct a jazz drumming instructional package for the objective that it will be useful for interested people and the instructor to use as an efficient teaching method in Thai undergraduate and the interested people can use the information for other advantages.

OBJECTIVES

1. To construct the drumming instructional package
2. To find the efficiency of the instructional package and study the suitable drum set skills which conform to the Thai Qualifications Framework (TQF)

Scope of Research

Purposive sample of the research was a number of 10 students of the Faculty of Music at Suan Sunandha Rajabhat University in a year 2016.

Expected Results

To achieve the efficient jazz drumming instructional package which suitable for the students in Rajabhat Universities and conforms to the Thai Qualifications Framework (TQF)

Definitions of Technical Terms

Instructional package means the study materials with the contents, notes, exercises and instructional handbook of beginning jazz drumming.

Efficiency of the instructional package means the instructional package which is constructed and examined by the quality by the experts which makes the students of jazz drumming understand and practice according to the content, lesson and exercise correctly.

LITERATURE REVIEW

Literature review by studying related knowledge from books or textbooks, related papers, journals, pamphlets, and related researches such as

Textbooks, books, academic seminar papers, journals, pamphlets such as Drum Line vol.1 , Drum Note magazine, Secret Technique Drum Set 1, Secret Technique Drum Set 2 Teaching Strategy follow Expert's Standard Framework in University Level ,Classroom and Studying Resource Management , Studying Management , Studying Psychology , Studying and Teaching Format , Creative study , Teaching Principles in University Level , Studying and Teaching Research, Art of Teaching , Musical Journal volume 12,13 , Musical Teaching Behaviors , Musical Activities for Teacher , Science of Teaching , Teacher ,Teaching Psychology ,Office of the Higher Education Commission. Thai Qualifications Framework for Higher Education; TQF etc.

Study related researches both domestic and overseas

1. Researcher, Rungkiat Siriwongsuwan studied Primary Teaching Way of Drum Kit of Pinnakorn Musical School Central Pinkloa's Teacher.

2. Dr. Martin, Susan Marie. (1994) "A comprehensive curriculum for drum set in the college percussion studio." Issue Date: 1994 Publisher: College percussion studio, The University of Arizona.
etc. Researcher sets priority of data to be proper with literature review for studying.

METHODOLOGY

Research Sources

The knowledge source in this research derived from the interview with the jazz drumming instructors in institution of education in Thailand and textbooks, reference books, related documents, journals, pamphlets and other related researches. The study of the relevant national and international researches was also conducted and compiled for literature review.

1. The information from interviewing the instructors in jazz drumming major in Bangkok consists of Silpakorn University and Rangsit University.

2. The information from texts, textbooks relevant documents, journals and pamphlets.

3. The study of the relevant national and international researches.

Informants and population

Informants for this research are divided by 2 groups consists of the informants and sample for the test of the efficiency of the instructional package as it is mentioned by the title and objectives of the research demanded both methods to achieve the objectives. The informants and sample are as follows:

1. Informants in this research for knowledge capturing were the instructor of the jazz music course of Silpakorn University and Rangsit University by the method of Qualitative Research.

2. A number of 10 students of practical instrument, major in drumming from Suan Sunandha Rajabhat University were used as a sample for the construction and test of instructional package of jazz drumming by the method of Quantitative Research.

Research Methods for collecting data

The research methods for collecting data are divided by 2 sections consists of Qualitative method and Quantitative method as follows:

1. The method used in data collection was interview based on the topic of the research

2. The method used for compiling the data were as follows:

2.1 Preparedness test before the using of instructional package for 10 freshmen student of the faculty of music, major in drumming who were studying in the 2nd semester at Suan Sunandha Rajabhat University.

2.2 The details of the instructional package on the practical jazz drumming for beginners

2.2.1 The details and contents of the instructional package, lesson plan for drumming notes, exercises and other information.

2.2.2 The efficiency test on practical study in every class and construct the instructional package according to the concept for the further analysis and practice.

2.2.3 To evaluate the study achievement by using pre-test and post-test for the purpose of construction and examine the instrument in order to construct the instructional package on practical jazz drumming for beginners consecutively.

Quality Auditing of Instructional Package

Experienced experts in music were selected for the quality assessment. The suggestions derived from the experts were applied for the improvement of the instructional package. The standard set by the experts were further applied to improve the instructional packages for the advisory to examine before the practical use of the materials.

Data Analysis

The technique used in this research was to study from the instructor with process of the analysis of data as follows:

1. Study the information provided in the documents and applies with the objectives of the study.

2. Conduct a fieldwork by interviewing the jazz drumming instructor and record. Transcribe the record and applies the data with objectives of the study.

3. Study the participation and observation in the interview and conduct a presentation in a hard copy form.

4. Order the contents, details and the results of the study for the construction of instructional packages.

The process of data analysis and finding the efficiency for the construction of a jazz drumming instructional package for Thai Undergraduates are as follows: The data were collected for the qualitative research, the tools were provided for the quantitative research. The statistics used in this research according to the objectives 2 consist of the calculation of basic statistics, averages and standard deviation in order to find the efficiency based on 80/80 standard of the instructional package while the first 80 was the an average scores of 10 times of studying evaluation of the sample, the efficiency was higher that 80%. The last 80 was the average score after using the instructional package of the sample, the efficiency was higher that 80%.

1.The statistic used in the analysis

Basic statistic for finding Mean of the sample by using: [5]

$$\bar{X} = \frac{\sum X}{N}$$

\bar{X} means Average
 $\sum X$ means Total Marks
 N means Sample population in the group

Finding Standard Deviation by using: [5]

$$S = \sqrt{\frac{N \sum X^2 - (\sum X)^2}{N(N-1)}}$$

S is Standard Deviation
 $\sum X$ is Total Marks
 $\sum X^2$ is Square of total of each marks
 N is Sample population in the group

2. The statistic used in for the efficiency test

1.1 The statistic used for testing the efficiency of the instructional package based on the 80/80 standard of the instructional package while the first 80 was the average scores of 10 times of studying evaluation of the sample, the efficiency was higher that 80%. The last 80 was the average score after using the instructional package of the sample, the efficiency was higher that 80%.

1.2 The statistic used for observing the difference of the achievement score of the study between pre-test and post-test of the instructional package by using t-test (Dependent)

$$t = \frac{\sum D}{\sqrt{\frac{N \sum D^2 - (\sum D)^2}{N-1}}} \quad df = N-1$$

when $\sum D$ is Total marks of difference between the marks of pre-test and post-test

$\sum D^2$ is Square of total of each marks of pre-test and post-test
 N is Number of population in the sample group

Presentation

The presentation of this research consists of the complexity in terms of the objective. Qualitative Research and Quantitative Research have been used in this research as obviously seen that the title and objectives of the research demanded both methods to achieve the objectives.

Descriptive Analysis has been used in the presentation through Qualitative Research and statistic in order to test the achievement of the efficiency of instructional package through Quantitative Research.

RESULTS

Results of the Research

1. The Construction of instructional package

In the construction of the instructional package, the researcher has interviewed the instructor of a jazz drumming study in Thai Undergraduates. The results can be summarized as follows:

The practical lessons for jazz drumming such as the writing and snare drumming and Comping of notes correctly. The techniques including snare pattern swing, Comping, bass drum in various notes, Snare Tom Floor Tom and Kick Drums Swing and Comping. Learning how to read the notes, playing jazz music correctly according to the instruction and the study content while the examples are provided.

1.1 Instructional Techniques are as follows:

1.1.1 Conversational techniques which derived from the fieldwork for interview. The practices and theories are mentioned for the conversation in order to get to know each other. Nevertheless, the study contents are still considered as the importance to encourage the students to listen to music.

1.1.2 Practical techniques of the instructors which mostly demonstrate the students for the practice such as how to carry the sticks, place the feet, drumming, read the notes and also the relevant videos or Youtube are provided as a teaching material with the purpose to show the example of the emotional expression of the drummers.

In each class, all instructors will conduct a plan for instruction. Most instructions are instrumental performance according to the given exercise while the attendance will be recorded.

The objective of the instructional procedures is to acknowledge the students to gain the knowledge and understanding according to the purpose of the instructors which the conclusion is complied to the theories as follows:

1.1.2.1 Instruction by demonstrating the practice and raising examples for the students so that they can imitate the

instructors. Such technique conforms to the statement of [6] mentioned that practice is the key to achieve the greatness in music while [7] defined that the instruction through demonstration is the method that helps the student to learn according to the determined objectives by express or act following the method to learn. 2. Most instructional techniques usually conducted with the explanation in terms of theories and notes. Such technique conforms to [3] which said that the main factors of music consist of contents of music and skills. Therefore, prior to understand the music, the students have to study the theories and learn how to read the notes which also conforms to [8] which stated that the reading skills is considered as an important basic skill in the music study.

1.1.2.2 The instructor arranges the teaching plans for each class. Most teaching plans arranged for short term and sometimes long term depends on each individual student. Such technique conforms to [9] who explained that any work or activities which plan systematically are easier to complete efficiently. The first class is considered as the most important class for the teaching as the students are asked regarding the personal information and the purpose of their study of jazz drumming such as their preference of music genre or drummers. As mentioned, the technique using in the first class will encourage the students to get familiar with the instructor for more efficient instruction. Such technique conforms to [7] who explained that the instructional technique is the method to increase the potential and quality of the instruction. Therefore, instructional technique is considered to be essential in order to gain more efficiency of the instruction.

1.1.2.3 The instructor arranges the practical exercise for the students in each class. Such technique conforms to [10] which mentioned that the exercise is an activity for the student to repeat their knowledge and understanding in order to practice and apply such skills to various situations. The instructor may provide the exercise after the class or as homework or both. The instructor also shall suggest the students to practice when they have free time after class as practice is the key to achieve the skills in the music.

1.1.2.4 In each class, the instructor will motivate the students regarding the study lessons by stating the importance of the study and the effect towards the students by playing the music or teaching the music that the students used to listen or going to concert including the presenting the show of the favorite artists of the students. Such instruction conducted to motivate the students which conform to [7] which mentioned that the

knowledge and ability to apply such as psychological study, methods and techniques to the situation will create lively and joyful environments of the instruction.

1.2 Evaluation and Assessment Techniques. According to the interview on evaluation and assessment, it can be summarized that:

1.2.1 Evaluate and assess the instructor as a pre-test and pro-test by evaluate the first class of the study. Furthermore, the practical test was conducted during the class and the practice was observed by the instructor. The attendance was included as well. The improvement of the students was recorded in every class in order to correctly suggest the students through exercise or music. The homework was provided to the students in a form of practice. The video was recorded that in the class for the lesson so the students can obviously see their development and issues.

1.2.2 Evaluate and assess by the test along with the observation of the development from the practice and homework including the minor tests according to the lesson or the internal test which arranged by a jazz drumming instructors or the instructors from other department were the evaluator. The test mostly conducted in a form of a band which shall pass the standard determined by each institution in order to acknowledge the students their flaws from the evaluation and assessment.

1.2.3 Evaluate and assess by performing concert as a band or final exams which will be organized by the university

usually. According to the research on evaluation and assessment of the drum set instructors it found that the assessment consists of 4 parts including the evaluation and assessment by the instructor, evaluation by the students, the evaluation and assessment by the test and the evaluation and assessment by performing concert. However, the largest scores focus mainly on evaluation and assessment by the instructors which is the standard to decide whether the students pass the lesson. Such statement conforms to [11] who explained that in order to evaluate the development of the students, the instructors shall evaluate the improvement in terms of the concept and skills while the evaluation shall be conducted constantly in order to acknowledge the achievement of the students in each class and plan the teaching structure for further instruction.

1.Finding of the efficiency of the instructional package

Purposive Sample was a number of 10 students of practical instrument, major in drumming from Suan Sunandha Rajabhat University and a number of 5 experts. The pre-test and pro-test were conducted before and after the using of all lessons in instructional package.

Overall Operations

1. The experts have examined the information for interview and the researcher already conducted the interview to the drum set instructors in the provided topics.

2. In the construction and the finding of efficiency of the instructional package, the experts have examined the contents and the tools used in the research. The auditing is as follows:

2.1 The detailed structure of the instructional package, the ordering of contents, exercise and the instruction of the instructional package.

2.2 The suitability of the test of the instructional package. The instructional package were audited and improved by a number of 5 experts respectively before the test of the instructional package

Results of the assessment for suitability of the instructional package

Schedule 1: Results of the assessment for suitability of the instructional package

Expert No.	Detail Structure of the instructional package	Order of the contents/ Levels of exercises of the instructional package	Suitability of the instructional package
1.	Suitable structure	Content ordering is suitable	Suitable
2.	Suitable structure	More details and descriptions should be provided/ Content ordering is suitable	Corresponding
3.	Suitable	Suitable	Suitable
4.	Suitable for the instruction	Content ordering is suitable/ Table of contents should be added (revised)	Suitable exercise
5.	Considered that it is suitable	Considered that it is suitable	Considered that it is suitable

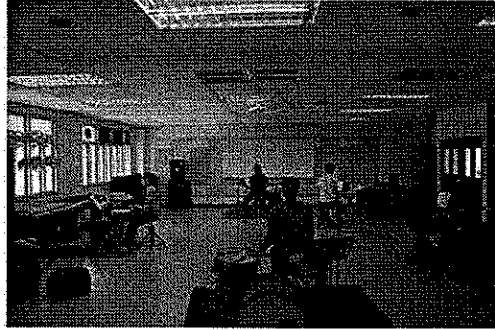


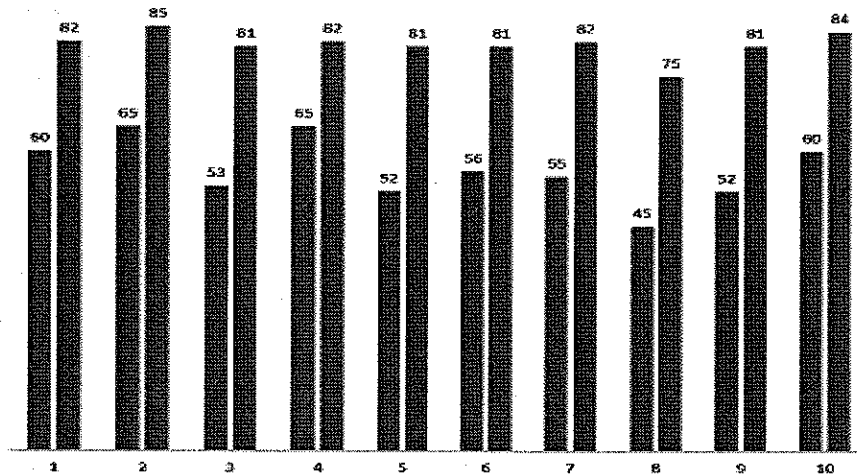
Figure 1: Purposive Sample was a number of 10 students of practical instrument, major in drumming from Suan Sunandha Rajabhat University

Assessment Standard for pre-test and pro-test
Schedule 2: Assessment Standard for pre-test and pro-test

Jazz Pattern/ Comping Snare Pattern Swing/ Tom Tom Pattern Swing Techniques/ Bass Drum Techniques in different notes/ Snare Tom Tom and Kick Drums Techniques as specified	20 Marks
Ride and Hi Hat Techniques/ Hi Hat Techniques in different forms as specified	20 Marks
2 songs for test	40 Marks
Melodiousness and harmony of the music	20 Marks
Total	100 Marks

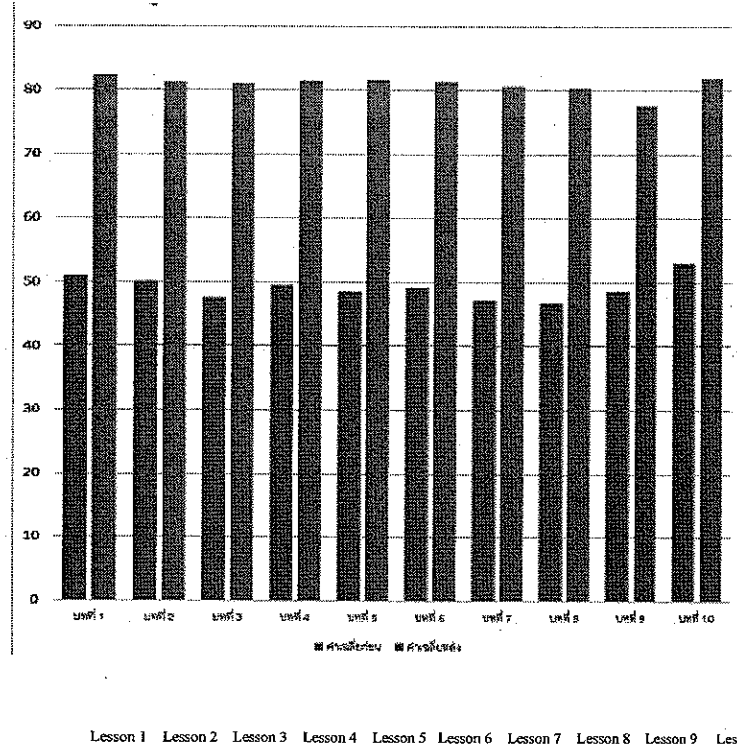
Results of pre-test and pro-test

Marks of each students before and after using instructional package
Schedule 3: Chart of the marks before and after using instructional package



Average marks of Pre-test from lesson 1 – lesson 10 and pro-test of 10 samples

Schedule 4: Chart of the average mark before and after study each lessons



Schedule 5: The calculation of basic statistics, averages and standard deviation in order to find the efficiency based on 80/80
Analytical results

T-Test Value

One-Sample Statistics

N	Mean	Std. Deviation	Std. Error Mean
10	25.1000	4.33205	1.36991

One-Sample Test

Test Value = 0					
t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
				Lower	Upper
18.322	9	.000	25.10000	22.0010	28.1990

The result has shown the efficiency at 81 / 81.40 which considerably higher than the determined standard of 80/80 at the statistical significant level of 0.5. The results of using the instructional package from a number of 10 sample shown that, mean = 25.1000, standard deviation = 4.33205, T test = 18.322 which conform to the assumptions. For the comparison of achievement of the practice, it shown that the achievement after the practice was higher than before the practice at the statistical significant level of 0.5.

Thai Qualifications Framework (TQF)

Conformed to the [12]Thai Qualifications Framework (TQF).From the data analysis the learning outcomes of music profession of Rajabhat universities in Bangkok are related to Thai Qualifications Framework for Higher Education standards on the 6 areas of music study are as follows:1. Virtue and

Ethics. 2. Knowledge 3. Cognitive Skill. 4. Interpersonal Skill and Responsibility 5. Numerical Analysis, Communication, and Information Technology Skill. 6. Music Skill.

Learning outcome of music skill in term of Thai Qualification Framework are 4 items as follows 1) able to perform music in bands which are various kinds of performance efficiently. 2) able to creatively utilize practical skill in public. 3) possess good and proper personality to present a piece of music in public 4) possess the skills of apply music theories into developing creatively and presenting a piece of music variously. Listening, singing, playing, reading, moving and creating are activity and teaching technique for learning outcome in western music in term of Thai Qualification Framework for higher education.

CONCLUSION

Conclusion of using instructional package: A number of 5 experts audited and revised the instructional package completely according to the process of the test. The result has shown the efficiency at 81 / 81.40 which considerably higher than the determined standard of 80/80 at the statistical significant level of 0.5. The results of using the instructional package from a number of 10 sample shown that, mean = 25.1000, standard deviation = 4.33205, T test = 18.322 which conform to the assumptions. For the comparison of achievement of the practice, it shown that the achievement after the practice was higher than before the practice at the statistical significant level of 0.5. which conformed to the Thai Qualifications Framework (TQF).

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