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# Effective Assessment of Solutions to improve the quality of Teaching of Candidate art for Students (Training System) at People's Security Academy

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#### Abstract

To improve the quality of teaching martial arts of the People's Police to students at the People's Security Academy. The topic used 05 routine research methods in sport and physical education to evaluate the effectiveness of solutions. The experimental subjects are 160 second and third-year students of 3 majors at the People's Security Academy, divided into 2 control and experimental groups, the experimental period is carried out in the academic year 2020-2021 from May September 2020 to July 2021. After experimenting with research methods in sports, the thesis has shown the effectiveness, superiority, and science of 09 solutions to improve the quality of martial arts teaching. People's Police for students at the People's Security Academy.

Keywords— Evaluation of effectiveness, Teaching quality, People's Public Security Martial Arts.

### SOURCE OF THE ARTICLE

The article is extracted from the doctoral thesis in education "Research on solutions to improve the quality of teaching martial arts of the People's Police to students (training system) at the People's Security Academy, conducted at the Institute of Public Security". Sports Science, defended April 2022.

# I. ASK THE PROBLEM

Over the years, the People's Security Academy has constantly innovated the quality of teaching martial arts of the People's Public Security, meeting the increasing requirements of the reality of crime prevention. However, the reality of martial arts training of the people's police shows that there are still many limitations and shortcomings that have not been overcome such as: For students, the practice capacity is not good, tactical thinking and ability Technical application to combat situations is not close to reality, not flexible. The program content and learning materials are old, not up to date with the techniques of modern martial arts; The teaching method of the lecturer is not attractive...which significantly affects the students' interest in practicing, so the quality of martial arts teaching at the Academy has not been excellent lately.

This poses great challenges for the Academy of Military, Martial Arts, and Sports Departments in martial arts training. Therefore, finding solutions to improve the quality of teaching People's Public Security martial arts for students at the People's Security Academy and at the same time evaluating the effectiveness of solutions is essential in the training period. current creation of the Academy.

# II. RESEARCH METHODS

In the research process, we use the following research methods: Research method and document synthesis; Methods of pedagogical observation; Interview method; Experimental method of pedagogy; Statistical Mathematical Methods.

# III. RESEARCH RESULTS AND DISCUSSION

3.1. Applying solutions to improve the quality of teaching martial arts of the People's Police to students (training system) at the People's Security Academy

# 3.1.1. Experimental organization

**Experimental method:** The thesis uses the self-comparison experimental method.

**Experimental subjects:** The experimental process was conducted on 160 students of the 2nd and 3rd years of the People's Security Academy in three majors: Reconnaissance and protection of social security; Internal security reconnaissance and investigative security.

**Experimental period:** 1 year (the school year 2020-2021): From September 2020 to July 2021. Divided into 2 phases: Phase 1: From September 2020 to February 2021; Phase 2: From March 2021 to July 2021 at the People's Security Academy.

In the context of the Covid-19 epidemic situation, with the management of students and students (100% of accommodation is concentrated among students), staff and lecturers are strict despite the complicated development of the Covid-19 epidemic. However, the school still appropriately organizes faceto-face teaching to ensure both completion of the program and prevention of the Covid-19 pandemic. Therefore, the application of the selected solutions to practice is convenient, unaffected, and throughout a school year, only Solution 9 is more or less affected by the epidemic situation. Therefore, we still experiment with this solution according to the planned plan, but because of the strong impact of the Covid epidemic in phase 2 of the experimental process, the thesis will not evaluate its effectiveness.

Before experimenting, the thesis proposed to the Faculty of Military, Martial Arts, and Sports to ask for the policy of the Academy's Board of Directors to be allowed to experiment and apply the selected solutions. With the consent of the Academy's Board of Directors, we carefully presented the content, the implementation method, the coordination unit...the solutions in front of the direct leader, the Martial Arts team, and the lecturers in the Faculty to clarify the content and application method of each experimental solution in practice as well as support the lecturers in the entire process of implementing the solutions.

The thesis evaluates the quality of teaching martial arts of the People's Police before the experiment takes place at the beginning of the first semester of the school year 2020-2021 (September 2020) and after the experiment at the end of the semester. 2 academic years 2020-2021 (July 2021).

3.2. Evaluating the effectiveness of solutions to improve the quality of teaching People's Public Security martial arts for students (training system) at the People's Security Academy

# 3.2.1. Before the experiment

Before the experiment (September 2020), the thesis checked the quality of teaching martial arts in the People's Public Security through the assessment of students and teachers by self-assessment by the criteria set by the thesis. selected.

The test results are presented in Table 1 and Table 2.

Table 1 shows that: The results of the preexperiment assessment, which are self-assessed by the lecturers through the teaching quality assessment criteria, show that: Out of the 20 survey criteria, 7 criteria are rated as "Good". " and 13 criteria as "Normal", of which the highest rating at "Good" is criterion number 9 "Supervising and evaluating students' practice activities in class" with 4.00 points. and the lowest is in 2 criteria 19, 20 "Students are interested in the lessons of the People's Police martial arts course and Students are satisfied with the learning assessment method of the People's Public Security martial arts course".

Table 2 shows that the results of the preexperiment assessment of the students who assessed the students' evaluations were not quite similar to the selfevaluated instructors, most of the criteria for assessing the quality of martial arts of the public security lecturers Students rated it as average. Specifically, in the 20 criteria, there are 4 criteria rated as "Good" and 16 criteria as "Normal", in which the highest-rated criterion (3.59 points) is the 4th criterion "Teaching" martial arts teachers have a clear and easy to understand the method of communication", and the lowest-rated criterion is the 19th criterion (3.06 points) "Students are interested in the lessons of the People's Public Security martial arts class"

If we compare the results of the pre-experimental assessment of lecturers and students by the  $\chi^2$  index on the number of criteria at the level of "Good" and "Normal" (Table 3), basically teachers and students have a good assessment. equivalent price  $\chi^2$ =0.54 with P>0.05.

Table 3. Comparing the evaluation of the quality of teaching martial arts of the People's Public Security at the People's Security Academy before the experiment between lecturers and students

Evaluate	Lecturers	Student	χ²	P
Normal	13	16	0.54	>0.05
Good	7	7		

# 3.2.2. After the experiment

In July 2021, after finishing 1 year of experimenting with the application of selected solutions of the thesis, we evaluated the quality of teaching martial arts in the People's Public Security through the evaluation of students and students. lecturers self-assess by the criteria selected by the thesis. The results are presented in Table 4 and Table 5.

Table 4 and Table 5 show that: At the time of 1 year of experimental study, the results of the quality inspection of teaching martial arts in the People's Public Security were rated as good or better by the lecturers and students on the scale. measure Likert. The lecturer evaluates the results with 2 criteria being "Very Good" and 18 criteria being rated as "Good", in which the highest score (4.29 points) is in the 4th criteria "Having a method of communication is clear and easy to understand" and the 14th criterion "Students' learning

outcomes are assessed accurately and fairly" and the lowest score is 3.43 in the 12th criterion "Students assessment methods" encourage the development of students' practical skills.

As for the assessment results of students, there is 1 criterion of "Very Good" with 4.36 points, which is also the 4th criterion "Teachers have a clear and understandable method of communicating" and 19 criteria of the category "Good" has a score of 3.82 (Criterion 18 The objectives of the course have been met after the end of the course) to 4.15 (Criterion 2 The lecturer always shows enthusiasm in teaching).

It must be said that the evaluation results of teachers and students regarding the quality of teaching martial arts of the People's Police after the experiment are similar in terms of the number of "Good" and "Very good" evaluations. ( $\chi^2 = 0.062$  với P>0.05) – Table6.

Table 6. Comparing the evaluation of the quality of teaching martial arts of the People's Public Security at the People's Security Academy before the experiment between lecturers and students

Evaluate	Lecturers	Student	$\chi^2$	P
Normal	2	1	0.062	>0.05
Good	18	19	0.002	7 0.02

# Compare the results after the experiment and before the experiment.

To evaluate the effectiveness of the solutions, we compare the results after the experiment and before the experiment.

Table 7. Comparison of the evaluation of the quality of teaching martial arts of the People's Public Security at the People's Security Academy after and before the experiment between lecturers and students

Evaluate	Lectur	ers	Student					
Evaluate	Before experiment	After experiment	Before experiment	After experiment				
Very good	Very good 0 Good 7		0	1				
Good			4	19				
Normal	13	0	16	0				

Table 7 shows that: Both teachers and students assessed that the quality of martial arts teaching was better after the experiment than before the experiment.

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# IV. CONCLUSION

The effectiveness of the solutions was evaluated after 1 year of experimental study, and the difference was statistically significant. The solutions selected by the thesis have been effective in improving the quality of martial arts teaching of the People's Police at the People's Security Academy, the practical application is completely appropriate and effective.

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# **APPENDIX**

Table 1. Results of evaluation of the quality of teaching martial arts of the People's Public Security at the People's Security Academy by the lecturers, before the experiment (n=7)

No	Evaluation Criteria	In	structo	r self-a	ssessm	ent	Total	Score	Score
110	Evaluation Criteria	5	4	3	2	1	Total	Average	Rating
Impl	ement rules and regulations	1			u.	u.	·		
1.	Always strictly follow class time	1	2	4	0	0	25	3.57	Agree
Attit	ude, interest in students		•	•	•	•	•		
2.	Open-minded, enthusiastic in teaching, and respecting students' opinions	0	3	3	1	0	23	3.29	Normal
3.	Always show enthusiasm in teaching	0	2	5	0	0	23	3.29	Normal
Teac	hing methods						·		
4.	Have a clear, easy-to-understand communication method	1	3	3	0	0	26	3.71	Agree
5.	Always pay attention to the effective use of teaching aids	0	1	4	2	0	20	2.86	Normal
6.	Always relate lessons to real-life situations so that students can easily acquire knowledge	1	2	3	1	0	24	3.43	Agree
Clas	sroom management and organization skills	I							
7.	The goal and content of the martial arts course were announced before learning	0	2	4	1	0	22	3.14	Normal
8.	Informed about the form and method of pre-study assessment	0	2	3	2	0	21	3.00	Normal
9.	Monitor and evaluate students' classroom practice activities	2	3	2	0	0	28	4.00	Agree
10.	Allocate and use class time appropriately and effectively	0	2	3	2	0	21	3.00	Normal
Metl	nods of testing and evaluation	I						ı	
11.	Student learning outcomes are assessed in a variety of ways	0	3	3	1	0	23	3.29	Normal
12.	A learning assessment approach that encourages the development of students' practical skills	0	2	4	1	0	22	3.14	Normal
13.	Exam questions, and reasonable testing in terms of duration and content, have synthesized the knowledge learned	0	2	4	1	0	22	3.14	Normal
14.	Student learning outcomes are assessed accurately and fairly	2	2	3	0	0	27	3.86	Agree

Stud	ent satisfaction								
15.	The people's police martial arts class is really useful	1	3	3	0	0	26	3.71	Agree
16.	Introduced and updated textbooks and reference materials to help students understand or expand their understanding of the course	0	1	4	2	0	20	2.86	Normal
17.	The People's Public Security Martial Arts course provides the necessary knowledge and practical skills for students' future careers.	2	2	3	0	0	27	3.86	Agree
18.	Course objectives have been met at the end of the course	0	2	2	3	0	20	2.86	Normal
19.	Students are interested in the lessons in the People's Public Security martial arts class	0	1	3	3	0	19	2.71	Normal
20.	Students are really satisfied with the learning assessment method of the People's Public Security martial arts module	0	1	3	3	0	19	2.71	Normal

Table 2. Results of assessing the quality of teaching martial arts of the People's Public Security at the People's Security Academy assessed by students, the time before experiment (n=160)

			Stud	ent rev	views		Tota 1	Mediu	Evaluat
No	Evaluation Criteria	5	4	3	2	1	scor e	m score	e
Imple	ment rules and regulations	l .	I	I	I	l .	ı		
1	Teachers always strictly follow class time	30	64	44	16	0	570	3.56	Agree
Atti	tude, interest in students		I	I	I		I		
2	Martial arts instructors are open-minded, enthusiastic about teaching, and respect students' opinions	19	48	56	29	8	521	3.26	Normal
3	Martial arts instructors always show enthusiasm in teaching	10	68	69	13	0	555	3.47	Agree
Tea	ching methods	l .	I	I	I	l .	ı		
4	Martial arts instructors have a clear and easy-to-understand method of communication	21	78	35	26	0	574	3.59	Agree
5	Martial arts instructors effectively use teaching aids	15	56	60	15	14	523	3.27	Normal
6	Martial arts instructors relate lessons to real-life situations	20	63	40	27	10	536	3.35	Normal
Clas	sroom management and organization skills		•	•	•				
7	You are informed about the objectives and content of the course before studying	30	54	44	19	13	549	3.43	Agree
8	You are informed about the form and method of pre-study assessment	0	43	98	19	0	504	3.15	Normal
9	Martial arts instructors supervise and evaluate students' classroom practice activities	23	58	46	26	7	544	3.40	Agree
10	Martial arts instructors allocate and use class time appropriately and effectively	24	43	53	28	12	519	3.24	Normal
Met	hods of testing and evaluation		I	I	I		I		
11	Student learning outcomes are assessed in a variety of ways	14	35	69	32	10	491	3.07	Normal
12	A learning assessment approach that encourages the development of students' practical skills	8	41	57	34	20	463	2.89	Normal
13	Exam questions, and reasonable testing in terms of duration and content, have synthesized the knowledge learned	16	43	46	43	12	488	3.05	Normal
14	Student learning outcomes are assessed accurately and fairly	23	47	65	19	6	542	3.39	Normal
Stud	lent satisfaction		ı	ı	ı		1	ı	

15	The people's police martial arts class is really useful	15	47	65	21	12	512	3.20	Normal
16	Martial arts instructors have introduced and updated textbooks and references to help students understand or expand their understanding of the course.	15	52	64	21	8	525	3.28	Normal
17	The People's Public Security Martial Arts course provides the necessary knowledge and practical skills for students' future careers.	14	39	64	31	12	492	3.08	Normal
18	Course objectives have been met at the end of the course	18	43	57	28	14	503	3.14	Normal
19	I am interested in the lessons in the People's Public Security martial arts class	9	48	59	32	12	490	3.06	Normal
20	I am really satisfied with the learning assessment method of the People's Public Security martial arts course	14	51	56	31	8	512	3.20	Normal

Table 4. Results of evaluation of the quality of teaching People's Public Security martial arts at the People's Security Academy by the lecturers' self-assessment, after 1 year of experimental training (n=7)

No	Evaluation Criteria	Ins	structo	r self-a	ssessm	ent	Total	Medium	Evaluate
110	Evaluation Criteria	5	4	3	2	1	score	score	Evaluate
mplen	nent rules and regulations		1	I	1	1	1		
1	Always strictly follow class time	2	3	2	0	0	28	4	Agree
ttitud	e, interest in students			ı	1	1		<u>I</u>	<u> </u>
2	Open-minded, enthusiastic in teaching, and respecting students' opinions	1	4	2	0	0	27	3.86	Agree
3	Always show enthusiasm in teaching	2	4	1	0	0	29	4.14	Agree
eachi	ng methods		1	I	1	1	1		
4	Have a clear, easy-to-understand communication method	2	5	0	0	0	30	4.29	Agree
5	Always pay attention to the effective use of teaching aids	1	4	2	0	0	27	3.86	Agree
6	Always relate lessons to real-life situations so that students can gain knowledge easily	2	4	1	0	0	29	4.14	Agree
Classro	oom management and organization skills			ı				l	I
7	The goal and content of the martial arts course were announced before learning	1	4	2	0	0	27	3.86	Agree
8	Informed about the form and method of pre-study assessment	0	4	3	0	0	25	3.57	Agree
9	Monitor and evaluate students' classroom practice activities	2	4	1	0	0	29	4.14	Agree
1	Allocate and use class time appropriately and effectively	1	4	2	0	0	27	3.86	Agree
<b>Ietho</b>	ls of testing and evaluation			I					
1	Student learning outcomes are assessed in a variety of ways	0	4	3	0	0	25	3.57	Agree
1	A learning assessment approach that encourages the development of students' practical skills	0	4	2	1	0	24	3.43	Agree
1:	Exam questions, and reasonable testing in terms of duration and content, have synthesized the knowledge learned	2	3	2	0	0	28	4.00	Agree
1.	Student learning outcomes are assessed accurately and fairly	3	3	1	0	0	30	4.29	Agree

Student	t satisfaction								
1:	The people's police martial arts class is really useful	2	4	1	0	0	29	4.14	Agree
10	Introduced and updated textbooks and reference materials to help students understand or expand their understanding of the course	0	5	2	0	0	26	3.71	Agree
1'	The People's Public Security Martial Arts course provides the necessary knowledge and practical skills for students' future careers.	2	3	2	0	0	28	4.00	Agree
1	Course objectives have been met at the end of the course	1	4	2	0	0	27	3.86	Agree
19	Students are interested in the lessons in the People's Public Security martial arts class	1	4	2	0	0	27	3.86	Agree
20	Students are really satisfied with the learning assessment method of the People's Public Security martial arts module	0	4	3	0	0	25	3.57	Agree

Table 5. Results of assessing the quality of teaching martial arts of the People's Public Security at the People's Security Academy assessed by students, time after 1 year of experimental study (n=160)

No	Evaluation Criteria		Stud	lent rev	iews		Total	Mediu	Evaluat
NO	Evaluation Criteria	5	4	3	2	1	score	m score	e
Imple	ment rules and regulations						1	<u> </u>	<u>I</u>
	Teachers always strictly follow class time	34	108	18	0	0	656	4.1	Agree
Attitu	de, interest in students						1	<u> </u>	<u>I</u>
	Martial arts instructors are open-minded, enthusiastic about teaching, and respect students' opinions	40	102	15	3	0	659	4.12	Agree
	Martial arts instructors always show enthusiasm in teaching	43	98	19	0	0	664	4.15	Agree
Teach	ing methods				ı			l .	Į.
	Martial arts instructors have a clear and easy-to- understand method of communication	65	87	8	0	0	697	4.36	Agree
	Martial arts instructors effectively use teaching aids	35	81	44	0	0	631	3.94	Agree
	Martial arts instructors who relate lessons to real-life situations	39	91	28	2	0	647	4.04	Agree
Classr	oom management and organization skills						1	<u> </u>	<u>I</u>
	You are informed about the objectives and content of the course before studying	43	81	34	2	0	645	4.03	Agree
	You are informed about the form and method of pre- study assessment	42	90	27	1	0	653	4.08	Agree
	Martial arts instructors supervise and evaluate students' classroom practice activities	45	92	23	0	0	662	4.14	Agree
).	Martial arts instructors allocate and use class time appropriately and effectively	34	88	38	0	0	636	3.98	Agree
Metho	ds of testing and evaluation						1	<u> </u>	<u>I</u>
1.	Student learning outcomes are assessed in a variety of ways	35	93	32	0	0	643	4.02	Agree
2.	A learning assessment approach that encourages the development of students' practical skills	29	87	44	0	0	625	3.91	Agree
3.	Exam questions, and reasonable testing in terms of duration and content, have synthesized the knowledge	35	92	33	0	0	642	4.01	Agree

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	learned								
1.	Student learning outcomes are assessed accurately and fairly	43	94	23	0	0	660	4.13	Agree
Studen	t satisfaction			•			•		
5.	The people's police martial arts class is really useful	36	95	29	0	0	647	4.04	Agree
5.	Martial arts instructors have introduced and updated textbooks and references to help students understand or expand their understanding of the course.	37	80	43	0	0	634	3.96	Agree
7.	The People's Public Security Martial Arts course provides the necessary knowledge and practical skills for students' future careers.	29	78	53	0	0	616	3.85	Agree
3.	Course objectives have been met at the end of the course	32	67	61	0	0	611	3.82	Agree
€.	I am interested in the lessons in the People's Public Security martial arts class	43	76	41	0	0	642	4.01	Agree
).	I am really satisfied with the learning assessment method of the People's Public Security martial arts course	35	87	38	0	0	637	3.98	Agree