

## **Instruction :**

### **The statement of the problem :**

Technology of education is the using of modern instruction style based on studied bases and experimentally proved to be true researches which includes comprehensively all the styles , tools and arrangements used in a certain education system to achieve formerly specified educational aims . as well as it aims at developing and increasing it's efficiency . the interest in the social aspects of the educational process increases , specially the reaction of the students with the other with the group or the reaction of the group with the other group during the subject learning .

Styles of instruction , used by the teacher are considered the most important aspect of the educational process and each style has aspeufic role in preparing the student the skilful , cognitive , emotional , physical and social aspects .

The qualified teacher is the one who can always present the new to his students; the teaching methods and style in the PE field are various including the direct , where the teacher takes all the decisions of planning , execution and evaluation , and the indirect , which emphasizes on the personality of the student with it develops .

Many of his / her mental abilities . the style of self learning is considered one of the indirect methods in teaching , where the student reaches the information depending on his effort and thought till his / she comes to the kinetic aims he wanted to achieve . as for the interchanging learning style it is considered one of the direct methods in teaching , where the student comes to the aim he wants to achieve through the reaction between the student and his / her colleague and between the student and the teacher .

The researcher has observed through her instruction of the dueling subject , in the faculty , the weakness of the performance level in some compound attack skill and its defenses as well as the emotional and cognitive side of the curriculum for the second – year girl students . This is clarified by the final assessment results in the practical test at the end of the first semester class . the researcher ascribes this to the usage of the traditional method which depends on the girl students' learning of the new attack model without thinking how and when this attack be performed

, the theoretical information is independent from the attack without thinking in saving it in the memory , as she depends on the teacher to give her directly the instruction each time for , the researcher sought to carry out this research to know the role played by the self – and interchanging learning styles on the performance level ( skillful – cognitive – emotional ) of the kinetic skills ( with the modern styles in learning the physical activity skills and within the frame work of what the state seeks at the development for the different aspects of learning .

**The research's aims :**

**The research aims at :**

- 1- The effectiveness of using self – learning style on the performance – level ( skillful – cognitive – emotional ) in learning some compound attack skills the ( double race – the trial race – the dual at attack ) .
- 2- The effectiveness of using the inter changing learning style on the performance level ( skilful – cognitive – emotional ) in learning some compound attack skills ( the double race – the trial race – the dual attack) .
- 3- The recognition of the most suitable learning – style ( the self – interchanging – the traditional ) in learning some compound at attack skills ( the double race – the trial race – the dual at attack ) among the research's sample .

**The research's hypotheses :**

**Driven from the aims , the researcher puts the following hypotheses :**

- 1- there are statistical significant differences between the pre – and post-test on the performance level of some compound at attack skills of the first experimental group ; in favor of the post – test .
- 2- there are statistical significant differences between the pre and post – test in interchanging learning style on the performance level of some compound attack skills of the skills of the second experimental group in favor of the post – test .
- 3- there are statistical significant differences in the improvement rate among the learning styles ( the self – the interchanging – the traditional) on the performance level ( skillful – cognitive – emotional ) in learning of some compound attack – skills ( the double race – the trail race – the dual attack ) in favor of the post test .

**\* procedures :**

**1- Methodology :**

The research has used the experimental method because it fits nature of the research by using three group .

**2- The sample :**

the sample has been chosen randomly from the second – year girl students from the faculty of PE at asute university . they are 39 girl – students and they were divided into 3 group and a control group . the self learning style was applied in the first experimental group , the interchanging – learning style on the second experimental group and the traditional style on the control group .

**3- Tools**

- a- The scientific references and the studies that deal with the researches subject.
- b- The measurement tools .
- c- The suggested educational program .
- d- The performance – level and it includes :
  - measuring the skillful performance level in developing ( attack , defense and reply ) .
  - building the cognitive – test ( designed by by the researcher ) .
  - building the emotional test ( designed by the researcher ) .

**4- The main study :**

The main study was applied in the period between 19/10/ 2003 to 23/12 /2003 on the two experimental group by using the style of style – and interchanging – learning style to teach them , and the control group by using the traditional method to teach them putting in consideration controlling all the variables that might affect the teaching process so that the only variable as well as the cognitive and emotional tests have been prepared and after showing them to the experts and finding the scientific treatments , the cognitive test is including 70 statements and the emotion test 25 statements , the pre- test has been carried out on the 3 groups dates 12/10/2003 and the post test for the 3 groups dated 5/1/2004 .

**5- Statistical Treatments :**

The flowing statistical treatments have been used :

- the mean :

**First : Consolation :**

In the light of the research's aims and Within the limitation of its samples from the facts of the data and information which the researcher has reached at , and in the light of the statistical treatments the following were concluded:

- 1- Using the style of both self and alternative learning affects positively in learning some compound – attack skills and its defenses regarding the cements of the emotional , cognitive , skillful performance – level of the second year girl students at the Faculty of Physical education at Asute University .
- 2- The emotional cognitive aspects of the second year girl students in the dueling sports can be measured where both tests are characterized by high correlates in reliability .
- 3- there are statistical significant differences in favor of both the experimental groups than the control group at performance level in the dueling with the sword weapon .
- 4- Using the style of alternative – learning as one of methods is beter than the style of self – learning and the traditional style ( the imperative style ) at learning some compound attack skills – the defenses and the reply within the research .
- 5- Using the alternative – learning style has proved its efficiency with the girl the girl students towards learning and increasing her defenses and positive participation .

**second suggestions :**

**in the light of what the researches results lead to the researcher suggest the following :**

- 1- Using the alternative learning style and applying it in the educational institutions sue to the advantages and the active effects it has on improving the performance level .
- 2- The inclusion of the alternative learning style within the curriculums content of the dueling by the new plane of the Faculty of physical Education at Asute University so that we could keep up with the scientific progress and the evolution of the educational process .
- 3- Using the alternative – learning style at the dueling subject for what it positively and efficiently contributes to learning of attack , defenses and

developing the Ability of the girl students on thinking as well as the cognitive attainments and enriching the emotional aspects and the positive reaction among the girl students in the lessons .

- 4- caring out more experimental researches by using other method of the learning style and comparing it with the alternative learning style to achieve the highest possible level at learning the different attacks and its defenses in the

**With the sword weapon of the Scand years students.**

5\_ the interest in giving all the information that relates to each port during the lesson to develop the emotional and cognitive aspects of what increases the attainments in the dueling sport .

6\_ the interesting giving traning courses and scientific seminars for the girl students to enhance their cognitive aspects in order to raise the cognitive level .

## ٣- التوصيات :

في ضوء ما أسفرت عنه نتائج البحث توصي الباحثة بما يلي :

- ١- استخدام أسلوب التعلم التبادلي وتطبيقه في المؤسسات التعليمية لما له من مميزات وتأثير فعال في تحسين مستوى الأداء .
- ٢- إدخال أسلوب التعلم التبادلي ضمن محتوى مقرر منهاج المبارزة بالخطة الجديدة بكلية التربية الرياضية بجامعة أسيوط حتى نستطيع مساير التقدم العلمي والارتقاء بالعملية التعليمية .
- ٣- استخدام أسلوب التعلم التبادلي في مادة المبارزة لما أسهم به بصورة إيجابية وفعالة في تعلم الهجوم والدفاع وتنمية القدرة على التفكير للطالبات وكذلك التحصيل المعرفي وإثراء الجانب الوجداني والتفاعل الإيجابي بين الطالبات في الدرس .
- ٤- إجراء المزيد من البحوث التجريبية باستخدام طرق أخرى من أساليب التعلم ومقارنتها بأسلوب التعلم التبادلي للوصول إلى تحقيق أعلى مستوى ممكن في تعلم الهجمات المختلفة ودفاعاتها في المبارزة بسلاح الشيش لطالبات الفرقة الثانية .
- ٥- الاهتمام أثناء التدريس بإعطاء المعلومات المرتبطة بكل جزئية لتنمية الجانب المعرفي والوجداني للطالبات مما يزيد من التحصيل في رياضة المبارزة .
- ٦- الاهتمام بإعطاء دورات تدريبية وندوات علمية للطالبات لصفل النواحي المعرفية لديهن لرفع المستوى المعرفي .

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**“ The effect of using the self Teaching Style and  
Reciprocal style in Performance level of the physical  
Education Faculty's girl Students  
on Fencing sports “**

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