

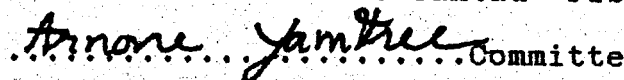
Thesis Title      A Comparison of Learning Achievement in  
the Arms Lessons of the Military Students  
Using Conventional Instruction and Video  
Tape Demonstrations

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#### ABSTRACT

The purpose of this study was to compare the difference learning achievement and learning skills acquired in the arms lessons when using conventional instruction and video tape demonstrations. The sample was a group of 105 first-year military students of Reserve Personnel Training Section Khon Kaen Military District in 1989. They were divided into three groups of two-stage sampling. The first group was taught by a training officer. The second group was taught by the whole demonstration method video tape program, demonstrating continually all steps of the learning procedures. The length of this video program is 8 minutes. The third group was taught by the part

demonstration method video tape program, demonstrating step by step providing ample time for students to practise following each step. The length of this program is 15 minutes. The researcher constructed achievement and skill tests for evaluating students's performance. The data collected was analyzed by one-way analysis of variance to evaluate the achievement scores and the practise scores. The differences between the means of experimental groups were tested by using Duncan's multiple range test method. The results of the study are as follows :

1. The achievement and skill test scores of the students taught by the whole demonstration method video tape program were significantly better at .01 level higher than the scores at those taught by a training officer.

2. The students taught by the part demonstration method video tape program had skill had significantly better scores at .01 level higher than the scores of those taught by a training officer.

3. The students taught by the whole and part demonstration method video tape program had achievement and skill test scores with no significant difference at .01 level.