

TABLE OF CONTENTS

TITLE PAGE	• • • • •	i
DEDICATION	• • • • •	ii
ACKNOWLEDGMENTS	• • • • •	iii
ABSTRACT	• • • • •	iv
ILLUSTRATIONS	• • • • •	x
APPENDIX	• • • • •	xii
Chapter		
I.	INTRODUCTION	1
	TEACHER EDUCATION PROGRAM CONTENTS	1
	General Studies	1
	Professional Education	1
	Field of Specialization	2
	STUDENT TEACHING	2
	ORGANIZATION OF STUDENT TEACHING	3
	The Observation Session	3
	The Distributed Teaching Session	4
	The Intensive Session	4
	TEACHER EDUCATION IN THE WEST BANK	5
	Program	5
	Government and Private Institutes	5
	UNRWA Institutions	6
	Teacher Training Institutions	7
	The Universities	8
	QUESTIONS OF THE PROBLEM	9
	STATEMENT OF THE PROBLEM	9
	THE SIGNIFICANCE OF THE PROBLEM	10
	HYPOTHESES	11
	DEFINITIONS AND LIMITATIONS	11
	SUMMARY	13

Chapter

II.	REVIEW OF THE LITERATURE	14
	WHO INFLUENCES THE STUDENT TEACHERS	14
	THE ROLE OF THE COOPERATING TEACHERS	15
	THE QUALITIES OF THE COOPERATING TEACHER	15
	THE CHANGE IN ATTITUDES	16
	VARIABLES THAT AFFECT ATTITUDES	18
	Sex	18
	The Cycle-Taught Level	19
	The Laboratory Variable	20
	THE LONGITUDINAL DESIGN	20
	SOURCE AND DIRECTION OF INFLUENCE	20
	THE EFFECT OF THE COOPERATING TEACHER	21
	SUMMARY	22

Chapter

III.	DESIGN OF THE STUDY	
	PROCEDURE	
	DEVELOPMENT OF THE TEST	23
	1. Preparing the First Draft	23
	2. Test Construction	24
	a. Cognitive Component	24
	b. Affective Component	25
	3. Validation of The Test	26
	4. Preparing The Test	28
	ADMINISTERING THE TEST	29
	1. Pretest	29
	2. Preparing the Posttest	32
	3. Posttest	32
	METHOD	34
	The Subjects	34
	The Variables	36
	SUMMARY	37

Chapter		
IV.	DATA ANALYSIS	38
	ANALYSIS OF THE PRETEST	38
	The Sex And Scientific Attitudes	39
	The Availability of a Science Laboratory And Attitudes	41
	The Class Taught Cycle And The Scientific Attitudes	43
	The Relationship of Attitude Components	45
	ANALYSIS OF THE POSTTEST	47
	Scientific Attitudes Reassessed	47
	The Effect of Sex Factor	47
	Science Laboratory Effect	50
	Class Cycle Effect	52
	COMPARING PRETEST AND POSTTEST	54
	Correlation Coefficients	54
	Frequency-of-Change-in-Product-Moment-Technique ..	56
	Steps of The Technique	59
	First Step	59
	Second Step	60
	Third Step	61
	TESTING THE HYPOTHESES	63
	Testing For Hypothesis 1	63
	Testing For Hypothesis 2	64
	Testing For Hypothesis 3	64
	SUMMARY	65

Chapter

V.	DISCUSSIONS, CONCLUSIONS AND RECOMMENDATIONS	
	SCIENTIFIC ATTITUDES IN THE WEST BANK	67
	The Cooperating Teachers	67
	The Student Teachers	69
	Remedial Work	70
	THE VARIABLES	72
	The SEX VARIABLE	72
	A. The Cooperating Teacher	72
	B. The Student Teacher	73
	THE LABORATORY VARIABLE	74
	THE CYCLE TAUGHT VARIABLE	76
	PAIRS RELATIONSHIP	76
	THE HYPOTHESES	78
	Hypothesis 1	78
	Hypothesis 2	80
	Hypothesis 3	80
	Conclusions	81
	SUMMARY	81
	APPENDICES	82
	BIBLIOGRAPHY	163