

TABLE OF CONTENTS

TABLE OF CONTENTS	IV
List of Figures	VIII
List of Tables.....	VIII
Table of Appendices	X
Acknowledgements	XI
ENGLISH ABSTRACT	XII
ملخص الدراسة باللغة العربية	XIV
CHAPTER ONE	1
1.1 Introduction	1
1.2 The Research Problem	4
1.3 Statement of the Problem	5
1.4 Significance of the Problem	6
1.5. Questions of the Study	6
1.6 Definition of Terms	7
1.7 Limitations of the Study:	10
CHAPTER TWO	11
Literature Review and Theoretical Framework.....	11
2.1 Introduction	11
2.2 Theoretical Framework	11
2.2.1 The Relationship between Good Thinking and Critical Thinking.....	13
2.2.2 Definitions of Critical Thinking	15
2.2.2.1 The Philosophical Dimension	16
2.2.2.2 The Cognitive Psychological Approach.....	22
2.2.2.3 The Educational Approach.....	23
2.2.3 The Relationship between Writing and Critical Thinking	27
2.3 Research on ESL/EFL Writing	28
2.3.1 Introduction	28
2.3.2 Models for the Writing Processes	30
2.3.3 Social and Cultural Perspectives.....	34
2.3.4 The Status of Writing and Critical thinking at the College Level	39
2.3.5 Teaching Writing.....	41
2.3.5.1 Essay Writing.....	42

2.3.5.2 The Mode of Persuasive / Argumentative Essays	44
2.3.5.3 The Stages of Writing.....	45
2.4 Summary of Linking Writing to Critical Thinking.....	49
2.5 The Use of Cooperative Learning in Teaching Essay Writing.....	50
2.5.1 Introduction	50
2.5.2 Models of Cooperative learning	53
2.5.3 The Johnsons' Model of Cooperative Learning	54
2.6. Previous Studies.....	59
Chapter Three.....	71
Methodology and Study Design.....	71
3.1 Research Design.....	71
3.2 Study Population	71
3.3 Data Collection Techniques	73
3.3.1 Five Critical Thinking Strategies (CTs)	73
3.3.1.1. Scaffolding as an Instructional Strategy	74
3.3.1.2. De Bono's PMI Strategy	78
3.3.1.3. Socratic Questioning	79
3.3.1.4. Paulo Friere's Problem Posing Strategy	81
3.3.1.5. The Hegelian Dialectic	82
3.3.2 Student Essays	83
3.3.2.1 The Selection Process of Student Essays	84
3.3.2.2 Analysis of Clear Writing for Student Essays	86
3.3.2.3 Pre-essays	88
3.3.2.4 Midterm Essays	88
3.3.2.5 Final Essays.....	89
3.3.2.6 Analysis of Critical Thinking for Student Essays.....	89
3.3.3 Attitude Questionnaire.....	92
3.4 Research Procedures	99
3.4.1 Implementation of the Research	99
3.4.2 Use of Cooperative Learning in the Current Study	100
3.4.2.1. Formal Cooperative Learning Groups	100
3.4.2.2. Informal Cooperative Learning Groups	103
3.4.2.3. Academic Structured Controversy	104
3.4.3 Course Design	106
3.4.3.1 Content	107

3.4.3.2 Syllabus Implementation	108
3.4.4 Teaching Methodology	108
3.4.4.1 Teaching Methodology for the Control Group	108
3.4.4.2 Teaching Methodology for the Experimental Group	109
3.4.5 Tools Validity and Reliability	111
3.4.5.1 Essay Rubric Validity	111
3.4.5.2 Essay Rubric Reliability	111
3.5 Data Analysis	112
Chapter Four	113
Data Analysis and Results	113
4.1 Introduction	113
4.2 Student Essays	113
4.2.1 Essay Analysis in Terms of Clear Writing	114
4.2.1.1 Results of Pre-essays	114
4.2.1.2 Midterm Essays	115
4.2.1.3 Final Essays	117
4.2.1.4 Summary of Essay Results for Clear Writing	120
4.2.1.5 Summary of Essay Results for Quantitative T-Test Analysis	122
4.2.2 Results of Essay Analysis for Critical Thinking	124
4.2.2.1 Before the Implementation of the Five CTs	124
4.2.2.2 After the Implementation of the First Two CTs	125
4.2.2.3 After the Completion of the Five CTs	125
4.2.2.4 Summary of Results of Critical Thinking	126
4.3 Questionnaire Results	127
Chapter Five	133
Discussion, Findings, Conclusion and Recommendations for Further Studies	133
5.1 Introduction	133
5.2 Discussion of Student Essays Results	133
5.2.1 Discussion of Pre-essays	133
5.2.2 Discussion of the Midterm Essay Results	134
5.2.3 Discussion of the Final Essay Results	141
5.3 Discussion of Questionnaire Results:	150
5.4 Discussion of the Study Questions	155

5.4.1 First Question: What is the role of critical thinking in L2 English essay writing for students?	155
5.4.2 Second Question: What strategies contribute to developing students' critical thinking ability as they are engaged in essay writing?	157
5.4.3 Third Question: How can cooperative learning facilitate the use of critical thinking in essay writing at the process and product levels?	161
5.4.4 Fourth Question: What are students' attitudes towards cooperative learning in essay writing?	166
5.5 Conclusions and Suggestions for Further Research:	167
References	172
Appendices	188