# Contents

Page

Abstract (Thai) ..... iv

Abstract (English) ..... v

Acknowledgements ..... vi

Contents ..... vii

List of Tables ..... xii

List of Figures ..... xiv

CHAPTER

I Introduction ..... 1

1.1. Background of the Study ..... 1

1.2. Rationale for the Study ..... 2

1.3. Research Questions ..... 4

1.4. Objectives of the Study ..... 4

1.5. Statements of Hypothesis ..... 4

1.6. Scope of the Study ..... 5

1.7. Limitations of the Study ..... 5

1.8. Definition of Terms ..... 7

1.9. Significance of the Study ..... 9

1.10. Overview of the Thesis ..... 10

II Literature Review ..... 12

2.1. Introduction ..... 12

2.2. English for Specific Purposes (ESP) ..... 13

2.2.1. Definitions of English for Specific Purposes ..... 13

2.2.2. Classification of English for Specific Purposes ..... 16

2.2.3. English for Nursing Purposes (ENP) ..... 20

2.3. Needs Analysis ..... 21

2.3.1. Definitions of 'needs' ..... 23

2.3.2. Steps of conducting needs analysis ..... 25

Page

2.4. Instructional Materials in English Language Teaching (ELT) 27
2.4.1. Significances of instructional materials in ELT 28
2.4.2. Types of instructional materials 28
2.4.3. Components of writing instructional materials 31
2.4.4. Applying Six T's Approach for writing instructional materials 33
2.5. Self-Instruction 40
2.5.1. Definitions of self-instruction 41
2.5.2. Self-instruction and learning theory 43
2.5.3. Characteristics of self-instructed learners 43
2.6. Importance of Listening Language 45
2.6.1. Processes of listening language 46
2.6.2. Factors affecting listening language 47
2.6.3. Benchmarks of listening in English 48
2.7. Synthesis of Previous Related Researches 51
2.8. The Present Study 53

III RESEARCH METHODOLOGY 54
3.1. Introduction 54
3.2. Research Design 54
Phase I: Development of materials 55
Stage 1: Needs analysis 56
1.1. Participants 56
1.2. Instruments 57
1.3. Data collection 60
1.4. Data analysis 61
Stage 2: Materials development 61
Stage 3: Verification of the developed materials 69
3.1. Experts' verification and evaluation of the self-instructional materials 69
3.2. The design of listening comprehension test 69
3.3. Experts' validation of listening comprehension test 70
3.4. The design of a materials evaluation form 71

Page

3.5. Experts' validation of a materials evaluation form ..... 71
3.6. Pilot study ..... 72
Phase II: Materials implementation and evaluation ..... 73
Stage 4: Implementing the materials ..... 74
4.1. Participants ..... 75
4.2. Instruments ..... 76
Stage 5: Evaluating the developed self-instructional materials ..... 77
5.1. Participants ..... 77
5.2. Instruments ..... 79
5.3. Data collection ..... 79
5.4. Data analysis ..... 81
3.3. Summary ..... 85

IV RESEARCH FINDINGS ..... 88
4.1. Introduction ..... 88
4.2. Part I: Conducting needs analysis to find out the needed listening skills ..... 89
- A questionnaire survey to find out the student nurses' needs ..... 90
4.3. Part II: Translating needs analysis to materials development ..... 97
4.3.1. Explore theoretical frameworks for materials development ..... 98
- The proposed framework for materials development ..... 99
4.3.2. Specify important findings from needs analysis ..... 101
4.3.3. Developing self-instructional materials ..... 102
- The framework for designing a lesson unit ..... 102
4.3.4. Designing listening comprehension test and a materials evaluation form ..... 104
4.3.5. The validation and evaluation of the proposed lesson unit, listening comprehension test, and a materials evaluation form by the experts ..... 105
4.3.6. Adjusting all proposed materials ..... 107
4.3.7. The pilot study ..... 107
4.3.8. Readjust the listening test and the developed SIMS ..... 111

Page

4.4. Part III: Materials Implementation and Evaluation ..... 112
4.4.1. Materials implementation ..... 112
4.4.2. Materials evaluation ..... 112
- One-on-one evaluation ..... 113
- Small group evaluation ..... 113
- Large group evaluation ..... 114
4.5. Part IV: Attitudes of the student nurses toward the developed self-instructional materials ..... 118
4.6. Summary ..... 122

V SUMMARY, DISCUSSIONS, IMPLEMENTATION, AND RECOMMENDATION ..... 123
5.1. Introduction ..... 123
5.2. Summary of the study ..... 123
5.3. Findings ..... 126
5.4. Discussion ..... 129
5.5. Implications ..... 133
5.6. Recommendation for further study ..... 134

REFERENCES ..... 135
APPENDICES ..... 145
APPENDIX A The Questionnaire Form (for the needs survey) ..... 146
APPENDIX B Materials Evaluation Form ..... 154
APPENDIX C A sample lesson unit ..... 158
APPENDIX D Listening Comprehension Test & Test Marking Guide ..... 177
APPENDIX E Item Analysis of Listening Comprehension Test to find degree of difficulty (p) and power of discrimination (r) ..... 207
APPENDIX F The checklist for the experts to validate the questionnaire form ..... 210
APPENDIX G The checklist for the experts to validate the sample lesson unit ..... 215

Page

APPENDIX H The experts' evaluation of the sample lesson unit ..... 220
APPENDIX I The checklist for the expert to validate the listening comprehension test ..... 223
APPENDIX J The experts' evaluation of the listening comprehension test ..... 228
APPENDIX K The checklist for the experts to validate a materials evaluation form ..... 231
APPENDIX L The experts' evaluation of a materials evaluation form ..... 236
APPENDIX M Statistic Evaluation: paired samples t-test scores ..... 239
APPENDIX N Letters of permission from the publishers ..... 241

BIOGRAPHY ..... 244

# List of Tables

Page

Table 2.1 Examples of themes ..... 35
Table 2.2 The four basic types of texts specified in theme units ..... 35
Table 2.3 Different sets of topics in a theme unit ..... 36
Table 2.4 Thread that provides linkages among different themes ..... 37
Table 2.5 Examples of Tasks ..... 38
Table 2.6 Transition Activities ..... 39
Table 3.1 Research Plan ..... 55
Table 3.2 Needs of Academic Aspects of Self-Instructional Materials ..... 62
Table 3.3 Needs of Physical Aspects of Self-Instructional Materials ..... 63
Table 3.4 Listening texts used inside the materials ..... 65
Table 3.5 Topics used in the materials ..... 65
Table 3.6 Sequencing of the unit of the materials ..... 67
Table 3.7 Transitions inside the materials ..... 68
Table 3.8 Research Design ..... 73
Table 3.9 Data collection process ..... 81
Table 3.10 List of research instruments ..... 84
Table 4.1 Demographic data of participating student nurses ..... 90
Table 4.2 Types of materials used for practicing listening in English ..... 91
Table 4.3 The student nurses' views on the necessity of English listening skills ..... 92
Table 4.4 Causes of problems when listening in English ..... 93
Table 4.5 Needs of academic and physical aspects of the self-instructional materials ..... 94
Table 4.6 Suggestions from the student nurses for the development of the self-instructional materials ..... 96
Table 4.7 The student nurses' evaluation of the piloted lesson unit ..... 108
Table 4.8 Scores of end-of-unit test made by one student nurse (one-on-one evaluation) ..... 113
Table 4.9 Scores of end-of-unit test made by ten student nurses (small group evaluation) ..... 113

Page

Table 4.10 Scores of end-of-unit test made by thirty student nurses (large group evaluation) ..... 114

Table 4.11 Effectiveness of the developed self-instructional materials among each group of participating student nurses during the implementation/ evaluation phase ..... 115

Table 4.12 Difference of the listening comprehension test scores ..... 116

Table 4.13 Paired samples t-test scores ..... 116

Table 4.14 The results of the materials evaluation survey ..... 119

Table 4.15 Comments and suggestions on the last day of the main study period ..... 121

Table 5.1 The timing and the research instruments used for materials evaluation ..... 125

Table 5.2 Three criteria used to evaluate the developed self-instructional materials ..... 126

Table 5.3 The results of examining the effectiveness of the developed self-instructional materials ..... 128

# List of Figures

Page

Figure 2.1 ESP classification by specific varieties of language use ..... 17
Figure 2.2 ESP classification by professional area ..... 18
Figure 2.3 ESP classification by experience ..... 19
Figure 2.4 The Needs Analysis Cycle ..... 22
Figure 2.5 Steps in Needs Analysis ..... 25
Figure 3.1 Discussion of how threads were selected and adapted in the self-instructional materials ..... 66
Figure 3.2 Discussion of how the unit was sequenced ..... 67
Figure 4.1 Theoretical framework of the study ..... 99
Figure 4.2 Framework for developing the self-instructional materials ..... 100
Figure 4.3 The sequences of a unit inside the self-instructional materials ..... 103
Figure 4.4 Adaptation of Lockwood's sequences of a unit in the developed self-instructional materials ..... 104