# Table of Contents

**PART I**

1 **INTRODUCTION**

1.1 **INTRODUCTION**

1.2 **PURPOSE OF THE DISSERTATION**

1.2.1 **Hypotheses**

1.3 **OUTLINE OF DISSERTATION**

1.4 **A NOTE ON THE COMPOSITION OF THIS DISSERTATION**

2 **BACKGROUND**

2.1 **INTRODUCTION**

2.2 **HUMAN COMMUNICATION**

2.2.1 **Multilevel organization of communicative interaction**

2.2.2 **Communication as rational and cooperative action and interaction**

2.2.3 **Communication and Social/Situational Variables**

2.2.4 **Participants, Situation and Context**

2.2.5 **Registers, Genres, Activities**

2.2.6 **Communication management**

2.2.7 **Establishing shared information**

2.2.8 **Constraints on Grounding, or Sharing Information**

2.2.9 **Frequency effects and the principle of least effort**

2.3 **VARIABLES CONDITIONING HUMAN COMMUNICATION**

2.4 **SPOKEN AND WRITTEN COMMUNICATION**

2.4.1 **Speech and writing: manifestations of the same system?**

2.4.2 **Speech and writing, spoken and written language**

2.4.3 **Variables Conditioning Speech and Writing**

2.4.4 **Are differences between speech and writing due to means of expression, or genre?**

2.5 **COMPUTER-MEDIATED COMMUNICATION**

2.5.1 **Does CMC have a negative influence on language?**

2.5.2 **A third medium?**

2.5.3 **Modes of text-based CMC**

2.5.4 **Variables conditioning CMC**

2.5.5 **Properties of the modes of CMC investigated in the present study**

2.6 **CHAPTER SUMMARY**

3 **MATERIAL & METHODS**

3.1 **INTRODUCTION**

3.2 **ETHICAL CONSIDERATIONS OF COLLECTING AND HANDLING DATA**

3.3 **GENERAL METHOD OF ANALYSIS**
7.5.3 Means to reduce text in SMS ........................................ 204
7.6 THE PRESENT STUDY .................................................... 209
  7.6.1 Research questions ............................................... 209
7.7 METHODS FOR DATA COLLECTION AND ANALYSES .......... 210
  7.7.1 A note on the choice of material and its implications on the results ... 210
  7.7.2 Data collection .................................................. 211
  7.7.3 Methods for analyzing the data .................................. 214
7.8 RESULTS ................................................................. 215
  7.8.1 A comparison of word frequency between modes of communication 216
  7.8.2 Linguistic features in the Swedish SMS corpus .................. 217
  7.8.3 Punctuation ...................................................... 218
  7.8.4 Spelling ............................................................ 220
  7.8.5 Grammar ......................................................... 227
  7.8.6 Graphical (non-alphabetic) means .............................. 229
7.9 CONCLUSIONS ........................................................ 231
7.10 FUTURE RESEARCH ON MOBILE MESSAGING ................. 234
7.11 CHAPTER SUMMARY ................................................... 234

8 CONCLUDING DISCUSSION ............................................. 237
  8.1 INTRODUCTION ....................................................... 237
  8.2 LINGUISTIC FEATURES IN CMC .................................... 238
  8.3 SUMMARY OF THE DISSERTATION .................................. 240
    8.3.1 Chapter 1: Introduction ....................................... 240
    8.3.2 Chapter 2: Background ......................................... 240
    8.3.3 Chapter 3: Methods and Material ................................ 241
    8.3.4 Chapter 4: Email ............................................... 241
    8.3.5 Chapter 5: Web chat ............................................ 245
    8.3.6 Chapter 6: Instant Messaging .................................. 249
    8.3.7 Chapter 7: Text Messaging via Mobile Phones – SMS ........... 252
  8.4 COMPARISONS AMONG THE SUB STUDIES ......................... 256
    8.4.1 Word frequency, mean length of utterance, vocabulary richness .... 256
    8.4.2 Generally compared findings .................................... 260
  8.5 LINGUISTIC ADAPTIVITY THEORY .................................. 263
    8.5.1 Instrumental rationality ......................................... 263
    8.5.2 A genuinely new medium? ....................................... 264
    8.5.3 Is language deteriorating? ..................................... 266
  8.6 THE MAIN CONTRIBUTIONS OF THE DISSERTATION ............ 267
  8.7 IMPLICATIONS OF RESULTS ....................................... 268
  8.8 FUTURE RESEARCH ................................................... 269

REFERENCES

iv