

**PHASAL AND EXPERIENTIAL REALISATIONS IN
LECTURE DISCOURSE:
A SYSTEMIC FUNCTIONAL ANALYSIS**

TENGGU SILVANA SINAR

**A dissertation submitted to the Faculty of
Languages and Linguistics University of Malaya**

In fulfillment of the requirements

For the degree of Doctor of Philosophy

May 2002

Perpustakaan Universiti Malaya



A511141007

DEDICATION

*Dedicated to Abdul Wahab Yahya Al Haj,
Shahnaz Ashrafia and Ashfaq Yassar,
Tuanku Luckman Sinar Basyarsyah II, S.H. Al Haj
and Hajjah Tengku Daratul Qamar*

CERTIFICATE

I certify that this dissertation is my own research account and its content has not been submitted for a higher degree to any other university or institution.

Tengku Silvana Sinar

ABSTRACT

The problems investigated in this study are (1) what are the phasal realisations of the lecture discourse (LD) with respect to the phase and sub-phase types and patterns, (2) what are the experiential semantic realisations of the LD with respect to the semantic representation, and (3) what are the experiential lexicogrammatical realisations of the LD with respect to the transitivity system representation?

This study is data-based in which materials were selected as corpora for investigation. The approach is qualitative/quantitative-descriptive in nature, and the method is observational. The spatial setting is the Faculty of Languages, University of Malaya, whereas the temporal setting is March and July 1995. The subject population is lecturers and students of the institution. The sample consists of 7 lecturers and 387 students that are selected by employing a random sampling technique. Of all the lectures that involve the sample, 7 lectures-in-texts are selected as data by applying the researcher's judgement sampling technique. The data are collected by means of audio-visual recordings and transcriptions, and they are analysed by employing a complementary method of analysis that combines Young's model and Halliday's model. The primary instrument of this study is the researcher herself, whereas the secondary instruments are (1) classification schemes of the semiotic aspects that are in focus, (2) data sheets that contain 7 lectures-in-texts, and (3) notes on each lecture-in-text.

The findings reveal that the LD-in-text as a whole is typically realised and characterised by the following: (1) the Substantiation (SU) as the most prominent macro-function and the Consent (CT) as the least prominent, (2) the Definition (DE) as the most prominent micro-function and the Apology (AP) as the least prominent, (3) the Being as the most prominent semantic field and the Existing as the least prominent, and (4) the Relational as the most prominent transitivity process type and the Existential as the least prominent. The macro-function patterns display dynamic variations, and the micro-function patterns demonstrate greatly dynamic variations. Furthermore, the findings also show the following: (1) the Carrier as the most prominent participant function and the Target as the least prominent, and (2) the Non-human as the more prominent participant type than the Human. In addition, the Location circumstantial type is the most prominent, whereas the Contingency is the least prominent.

Based on the main findings, there is strong evidence to suggest that the 'semiotic behaviour' of the LD-in-text as a whole is motivated by the goal-oriented need, and the goal to achieve has tended to be more academic-oriented than social-oriented. In this, the lecturers as the primary speakers of the lecture room interactions have tended to focus on the transformation of intellectual values (academic knowledge/skills) with the least social values involved therein. The most prominently occurring SU macro-function, DE micro-function and Being and Relational processes are clear indicators of this endeavour.

The scope and objectives of this study have been delimited to investigating LD phenomena at the levels of phase, sub-phase, experiential semantics and transitivity. To provide a comprehensive account of LD phenomena at the given Malaysian institution in particular, it is suggested that further research of this kind with a wider scope needs to be carried out, as such that it includes all relevant aspects and dimensions of all the semiotic levels in the overall semiotic space of language-in-context complex.

ABSTRAK

Masalah yang diteliti dalam kajian ini ialah (1) apakah realisasi fasa (phasal realisations) dalam wacana kuliah dihubungkan dengan jenis dan pola fasa dan sub-fasa, (2) apakah realisasi pengalaman semantik (experiential semantic realisations) wacana kuliah dihubungkan dengan representasi semantik (semantic representation) dan (3) apakah realisasi leksika-gramatika wacana kuliah dihubungkan dengan representasi sistem transitiviti (transitivity system representation)?

Kajian ini berasaskan data di mana bahan-bahan dipilih sebagai data kajian. Pendekatan kajian ini bersifat kualitatif/kuantitatif-deskriptif dengan pemerhatian sebagai kaedah kajian. Kajian ini dilaksanakan di Fakulti Bahasa, Universiti Malaya pada bulan Mac dan Julai 1995. Populasi subjek adalah para pensyarah dan pelajar institusi tersebut. Sampel terdiri daripada 7 pensyarah dan 387 pelajar yang dipilih melalui teknik persampelan rawak. 7 kuliah-dalam-teks (Lecture-in-texts) daripada semua kuliah yang melibatkan sampel dipilih sebagai data, dengan mengaplikasikan teknik persampelan pertimbangan penyelidik. Pengumpulan data dibuat melalui rakaman audio-visual dan transkripsi. Data dianalisis menggunakan kaedah analisis pelengkap yang menggabungkan model Young dan model Halliday. Instrumen utama kajian ini adalah penyelidik sendiri. Instrumen sekunder adalah (1) skema klasifikasi aspek-aspek semiotik yang menjadi tumpuan kajian, (2) lembaran-lembaran data mengandungi 7 kuliah-dalam-teks, dan (3) catatan-catatan pada setiap kuliah-dalam-teks.

Dapatan kajian ini menunjukkan bahawa pada keseluruhannya, Wacana Kuliah-dalam-teks (Lecture Discourse-in-texts) lazimnya dilaksanakan dan dicirikan oleh: (1) fungsi-makro paling utama adalah Pembuktian (SU) manakala Persetujuan (CT) paling kurang menonjol, (2) fungsi-mikro paling utama adalah Takrifan (DE) dan Permintaan maaf (AP) paling kurang ketara, (3) bidang semantik paling utama adalah Hubungan (Being) manakala Kewujudan (Existing) adalah paling kurang menonjol, dan (4) proses transitif paling menonjol adalah Perhubungan (Relational) manakala Wujud (Existential) adalah proses yang amat kurang menonjol. Corak fungsi-mikro mempamerkan kepelbagaian (perubahan) yang dinamik, sementara corak fungsi-mikro menunjukkan kepelbagaian yang amat dinamik. Malah, dapatan kajian ini menunjukkan yang berikut: (1) Pembawa (Carrier) adalah fungsi penyertaan yang paling utama dan Sasaran (Target) yang paling kurang utama, dan (2) Bukan-insan (NHP) adalah jenis penyertaan yang lebih menonjol berbanding penyertaan Insan (HP). Seterusnya, Lokasi (Loc) adalah jenis butiran yang utama, manakala Kemungkinan (Con) pula adalah jenis butiran amat kurang ketara.

Berdasarkan dapatan-dapatan utama kajian, terdapat bukti kukuh bahawa secara keseluruhan, motivasi utama bagi 'perlakuan semiotic' (semiotic behaviour) LD-dalam-teks adalah keperluan yang berorientasikan matlamat, dan matlamat untuk berjaya lebih cenderung kepada orientasi akademik daripada orientasi sosial. Dalam hal ini, para pensyarah sebagai pembicara

utama dalam interaksi bilik kuliah mempunyai fokus yang lebih cenderung kepada transformasi nilai-nilai intelektual (pengetahuan/kemahiran akademik) dengan penerapan nilai-nilai sosial yang amat kurang. Petunjuk-petunjuk yang nyata bagi usaha tersebut adalah fungsi-makro SU, fungsi-mikro DE dan EP serta realisasi Hubungan (Being) dan proses transitiviti Perhubungan (Relational) yang berlaku dengan amat ketara. Ruang lingkup dan objektif-objektif kajian ini terbatas kepada menyelidik fenomena wacana kuliah (LD) pada tahap-tahap fasa, cabang fasa, semantik experiential dan tatabahasa transitif. Untuk menghasilkan laporan lengkap tentang fenomena LD terutamanya di institusi di Malaysia, dicadangkan lanjutan kepada kajian ini perlu dilaksanakan dengan ruang lingkup yang lebih luas. Dengan demikian, kajian tersebut perlu merangkumi semua aspek dan dimensi yang relevan bagi semua tahap semiotik dalam ruang semiotik kompleks bahasa-dalam-konteks.

ACKNOWLEDGEMENTS

Humans propose and pray but God disposes. By the will of God, the job has been carried out at last, marking the long awaited end of a hard struggle! All my heartfelt praises and thanks be to Allah the Almighty, Whose power, help, grace and guidance that I always seek have made this dissertation come to its completion.

This dissertation is a research work that has involved a lot of people. I am very much indebted to Associate Professor Dr. Azirah Hashim, my supervisor, for all her generous guidance, advice, encouragement and patience throughout the undertaking of this study. I am also grateful to Emeritus Professor Dato' Asmah Haji Omar, my former supervisor, for her enthusiasm, encouragement and useful suggestion to consider *lecture discourse* as an area of investigation for my research.

I am particularly grateful to the Dean and Deputy Dean of the Faculty of Languages and Linguistics, the University of Malaya, and also to the lecturers and graduate students of the Faculty of Languages and Linguistics, the University of Malaya, who have given me the rare opportunities to videotape their lecture discourse activities that have made it possible for me to collect and complete the research data.

I have a special debt of gratitude to Encik Husnil and Puan Roshidah (the Media Unit Staff), Encik Mat Nasir and Puan Maharan (the Computer Service Staff) and Puan Nurima, Puan Norizan and Encik Zulbahri (the Library staff) for all their assistance and cooperation in using their facilities, and also to Puan Noraini for her willingness to be a rater for the transcription of my research data.

I am indeed thankful to the systemicists particularly Professor Dr. Lynn Young who has kindly provided me with the necessary-but-difficult-to-find references

and materials, Professor Dr. J.R. Martin who has kindly read and offered useful comments on my research data, Dr. Asruddin B. Tou whose valuable insights, critical comments and constructive advice during the editing sessions have enabled me to refine various aspects of the work, and Associate Professor Dr. Amrin Saragih who has assisted me in the skimming of my transitivity analysis in particular.

My special feeling of gratefulness is also forwarded to Dr. Hajjah Fatimah, Ibu Darsimah Mandah, Hwang Justina, Uztadz Dedi, Juk, Irfan, Husni, Turaini, Dewi, Rudi, Asra and Atailah at the University of Malaya; and also my relatives especially Tengku Mayra, Dr. Tengku Amir, Tengku Sulaiman, Sharon, Tengku Agustina, Fazly and my best friends in KL especially Hanafiah Sati, Anny, Mona Nasution and Azizan, for all their assistance, encouragement and shared feelings of togetherness and companionship during my study at the university in Kuala Lumpur.

My deep appreciation and thankful is due to Professor Dr. Tengku Amin Ridwan for teaching me to value linguistics and continuously giving me priceless moral support throughout years in the academic life.

I find no accurate words to express my sincere gratitude to Professor Dr. Bahren Umar Siregar, Dean of the Faculty of Letters, to Dra. Chadijah, M.A., Head of the English Language and Literature Department, and Professor dr. Chairuddin Lubis, Rector of the University of North Sumatra (USU) Medan, for providing me with the university fee and the study permit and trust to do and complete my study over the years, and also to the former Dean of the Faculty of Letters Professor Drs. A. Samin Siregar and to all my colleagues especially Dra. Chadidjah MA, Dra. Rohani Ganie and Dra. Nurhamidah who have supported me in many ways.

I owe a special debt to Tou's family: Rini, Rashad and Fiky, who have wholeheartedly helped me in so many occasions. May Allah give them rewards for those countless contributions.

I am especially thankful to Ayahnda Tuanku Luckman Sinar Basyarsyah II and Bonda Tengku Daratul Qamar, my sisters dr. Tengku Rabitta, MPH, Tengku Eliza, Dra. Tengku Tirhayazain, MA, Tengku Mirha and my brother Tengku Basyaruddin and my sister-in-law Ina, my brother-in-law Dr. Syafii Ahmad MPH and Adry Sujana Prawira for all their constant encouragement, valuable advice and sometimes criticism, which have enabled me to build confidence, persistence and determination in my academic and personal life. And my thanks are also due to other members of the extended family in Medan especially Elly, Ku Badi, Sangkot, Juli, Ningsih, Imay, Nila, Agus, Yatmi and Sabar, for all their unreserved support, I can pay them all nothing in return.

Last, but not, of course, least, I owe special thanks to my husband, Abdul Wahab Yahya, whose endless care, patience, love, tolerance, understanding and sacrifice have been a great encouragement to me to end this long and tiring journey of academic survival. And to my beloved children, Shahnaz and Yasser: You have always been the light of hope and inspiration!

Tengku Silvana Sinar

TABLE OF CONTENTS

	page
TITLE	i
DEDICATION	ii
CERTIFICATE	iii
ABSTRACT	iv-v
ABSTRAK	vi-vii
ACKNOWLEDGEMENT	viii-x
TABLE OF CONTENTS	xi-xvi
LIST OF FIGURES	xvii
LIST OF TABLES	xviii-xxi
LIST OF ABBREVIATIONS	xxii-xiii
 CHAPTER ONE	
INTRODUCTION	1
1.1 Background	1
1.2 Identification of the Problem	5
1.3 Delimitation of the Problem	22
1.4 Formulation of the Problem	27
1.5 Aims and Objectives of the Study	28
1.6 Significance of the Study	30
 CHAPTER TWO	
REVIEW OF LITERATURE	33
2.1 Introductory remarks	33
2.2 On discourse/language and related works	34
2.3 On classroom discourse/language and related works	43
2.4 On lecture discourse/language and related works	51

2.5	Register/language and related works	58
2.6	Concluding remarks	68
CHAPTER THREE		
	FRAMEWORKS, ORIENTATION AND CONSTRUCT	69
3.1	Theoretical framework	69
3.1.1	GSFLT-based framework	71
3.1.2	The reasons for adopting the GSFLT framework	72
3.2	Theoretical orientation	75
3.2.1	General statements	75
3.2.2	'Existing' models: theoretical/applied	76
3.2.3	Conceptual statements and descriptions	86
3.2.3.1	Language functions and use	86
(1)	Language is functional.	86
(2)	The function of language is to make meanings.	87
(3)	Language use is contextual.	90
3.2.3.2	Language metafunctions	92
3.2.3.2.1	The ideational meaning	92
3.2.3.2.1.1	The experiential meaning	93
(1)	Material Processes	94
(2)	Mental Processes	96
(3)	Relational Processes	98
(4)	Behavioural Processes	100
(5)	Verbal Processes	101
(6)	Existential Processes	102
(7)	Other Participant Functions	103
(8)	Circumstantial Elements	105
3.2.3.2.1.2	The logical meaning	112
3.2.3.2.2	The interpersonal meaning	114
3.2.3.2.3	The textual meaning	119
3.2.3.3	(Situation (discourse) dimension: field, tenor, mode	124
(1)	field	125
(2)	tenor	127
(3)	mode	128

3.2.3.4	Genre/Phasal dimensions	131
(1)	Genre	131
(2)	Phase	134
(3)	Young's Phasal Structure Model	137
3.2.3.5	Ideology/dien dimensions	141
3.2.4	Working model	146
3.2.4.1	Into the analysis	148
3.2.4.2	The phasal analysis of the lecture discourse	148
3.2.4.3	The experiential analysis of the lecture discourse	154
3.3	Analytical construct	156

CHAPTER FOUR

METHODOLOGY 158

4.1	The research design	158
4.2	The setting	159
4.2.1	Spatial	159
4.2.2	Temporal	159
4.3	The Subjects	160
4.3.1	Population	160
4.3.2	Sample	160
4.4	The data	163
4.5	The instruments	164
4.6	The reliability and validity	165
4.7	The procedure	166
4.7.1	Data collection	166
4.7.2	Data analysis	167

CHAPTER FIVE

PHASAL REALISATIONS

5.1	Introduction	175
5.2	Macro-&-micro-level description: the phases, sub-phases and linguistic expressions	176
5.2.1.	The phase types	176
5.2.2	The sub-phase types	176

5.2.3	The sub-phase and linguistic expressions of the CT phase	182
5.2.4	The sub-phases and linguistic expressions of the DS phase	187
5.2.5	The sub-phases and linguistic expressions of the SU phase	195
5.2.6	The sub-phases and linguistic expressions of the EV phase	213
5.2.7	The sub-phases and linguistic expressions of the CO phase	216
5.2.8	The phase patterns	223
5.2.8.1	Phase pattern 1: Consent (CT)^Discourse Structuring (DS)^Substantiation (SU)^ Conclusion (CO)	224
5.2.8.2	Phase pattern 2: Consent (CT)^Discourse structuring (DS)^Substantiation (SU)^Conclusion (CO)^ Discourse structuring (DS)^Substantiation (SU)^ Conclusion (CO)^Substantiation (SU)^Conclusion (CO)	226
5.2.8.3	Phase pattern 3: Discourse structuring (DS)^Substantiation (SU)^Conclusion (CO)	228
5.2.8.4	Phase pattern 4: Consent (CT)^Discourse structuring (DS)^Substantiation (SU)^ Discourse structuring (DS)^Substantiation (SU)^Evaluation(EV)^Conclusion(CO)	230
5.2.8.5	Phase pattern 5: Discourse structuring (DS)^ Substantiation (SU)^Discourse structuring (DS)^Substantiation (SU)^ Conclusion (CO)	232
5.2.8.6	Phase pattern 6: Discourse Structuring (DS)^Substantiation (SU)^Conclusion (CO)^Discourse Structuring (DS)^ Substantiation (SU)^ Discourse Structuring (DS)^ Substantiation (SU)^Conclusion (CO)	233
5.2.8.7	Phase pattern 7: Substantiation (SU)^Conclusion (CO)	235
5.2.8.8	Phase pattern 8: Substantiation (SU)	237
5.2.8.9	Phase pattern 9: Substantiation (SU)^Evaluation (EV)	238
5.2.9	The sub-phase patterns	240
5.3	Discussion and conclusion	241
CHAPTER SIX		
EXPERIENTIAL REALISATIONS		258
6.1	Introduction	258
6.2	Experiential description	258

6.2.1	Semantic features and nuclear transitivity process types in the LD-in-texts	259
6.2.2	Inherent participant and circumstantial transitivity types in the LD-in-texts	261
6.2.3	Experiential realisations of phases of the LD-in-texts	262
6.2.3.1	Experiential realisations of phases of the LD-in-text 1	262
6.2.3.1.1	Experiential realisations of DS phase of the LD-in-text 1	264
6.2.3.1.2	Experiential realisations of SU phase the LD-in-text 1	267
6.2.3.1.3	Experiential realisations of CO phase of the LD-in-text 1	277
6.2.3.1.4	Experiential realisations of EV phase of the LD-in-text 1	279
6.2.3.1.5	Experiential realisations of CT phase of the LD-in-text 1	282
6.2.3.1.6	Summary of the LD-in-text 1	282
6.2.3.2	Experiential realisations of phases of the LD-in text 2	286
6.2.3.2.1	Experiential realisations of DS phase of the LD-in-text 2	287
6.2.3.2.2	Experiential realisations of SU phase of the LD-in-text 2	290
6.2.3.2.3	Experiential realisations of CO phase of the LD-in-text 2	299
6.2.3.2.4	Experiential realisations of EV phase of the LD-in-text 2	301
6.2.3.2.5	Experiential realisations of CT phase of the LD-in-text 2	302
6.2.3.1.6	Summary of the LD-in-text 2	303
6.2.3.3	Experiential realisations of phases of the LD-in-text 3	307
6.2.3.3.1	Experiential realisations of DS phase of the LD-in-text 3	308
6.2.3.3.2	Experiential realisations of SU phase of the LD-in-text 3	311
6.2.3.3.3	Experiential realisations of CO phase of the LD-in-text 3	318
6.2.3.3.4	Experiential realisations of EV phase of the LD-in-text 3	320
6.2.3.3.5	Experiential realisations of CT phase of the LD-in-text 3	322
6.2.3.1.6	Summary of the LD-in-text 3	323
6.2.3.4	Experiential realisations of phases of the LD-in-text 4	327
6.2.3.4.1	Experiential realisations of DS phase of the LD-in-text 4	328
6.2.3.4.2	Experiential realisations of SU phase of the LD-in-text 4	332
6.2.3.4.3	Experiential realisations of CO phase of the LD-in-text 4	338
6.2.3.4.4	Experiential realisations of EV phase of the LD-in-text 4	339
6.2.3.4.5	Experiential realisations of CT phase of the LD-in-text 4	341
6.2.3.1.6	Summary of the LD-in-text 4	343

6.2.3.5	Experiential realisations of phases of the LD-in-text 5	347
6.2.3.5.1	Experiential realisations of DS phase of the LD-in-text 5	348
6.2.3.5.2	Experiential realisations of SU phase of the LD-in-text 5	353
6.2.3.5.3	Experiential realisations of CO phase of the LD-in-text 5	359
6.2.3.5.4	Experiential realisations of EV phase of the LD-in-text 5	361
6.2.3.5.5	Experiential realisations of CT phase of the LD-in-text 5	363
6.2.3.1.6	Summary of the LD-in-text 5	364
6.2.3.6	Experiential realisations of phases of the LD-in-text 6	368
6.2.3.6.1	Experiential realisations of DS phase of the LD-in-text 6	369
6.2.3.6.2	Experiential realisations of SU phase of the LD-in-text 6	372
6.2.3.6.3	Experiential realisations of CO phase of the LD-in-text 6	380
6.2.3.6.4	Experiential realisations of EV phase of the LD-in-text 6	382
6.2.3.6.5	Experiential realisations of CT phase of the LD-in-text 6	384
6.2.3.1.6	Summary of the LD-in-text 6	385
6.2.3.7	Experiential realisations of phases of the LD-in-text 7	389
6.2.3.7.1	Experiential realisations of DS phase of the LD-in-text 7	390
6.2.3.7.2	Experiential realisations of SU phase of the LD-in-text 7	393
6.2.3.7.3	Experiential realisations of CO phase of the LD-in-text 7	404
6.2.3.7.4	Experiential realisations of EV phase of the LD-in-text 7	406
6.2.3.7.5	Experiential realisations of CT phase of the LD-in-text 7	408
6.2.3.7.6	Summary of the LD-in-text 7	411
6.3	Overall Summary of the LD-in-texts	415
6.4	Discussion and Conclusion	423
CHAPTER SEVEN		
CONCLUSION		424
BIBLIOGRAPHY		448
APPENDICES		
LD-in-text 1		467

LIST OF FIGURES

	page
Figure 1.1: Multilevel institutional and noninstitutional cultural dimensions as potentials for human discourses to make meanings	10
Figure 1.2: Multilevel institutional and noninstitutional human societies as participants in stratified human discourses	11
Figure 2.1 Control in Morning News Genre (Christie, 1989: 124)	54
Figure 3.1: Language and Context (Halliday 1991: 8)	77
Figure 3.2: Language as the realisation of social context (Martin 1993:142).	78
Figure 3.3: Stratification of language in context	80
Figure 3.4: Context of culture and context of situation along dimension of long term potentiality (Matthiessen 1993:272).	80
Figure 3.5: Language in relation to its connotative semiotics ideology, genre, and register (Martin 1993:158).	81
Figure 3.6: Planal and stratal assignment in communication linguistics (Gregory 1985: 124)	
Figure 3.7: A simple 'system network' of English mood types (cf. e.g. Halliday....., Martin <i>et al.</i> 1997:61-63).	135
Figure 3.8: Conceptualisation of language as a resource for meaning (Matthiessen, Nanri and Licheng 1991: 5)	140
Figure 3.9 A schematic structure of an exposition genre (MEDSP 1989: 17)	153
Figure 3.10: Young's Gregory-based communication linguistics model of language (Young 1990: 70-71)	158
Figure 3.11: The universe of meaning (Tou, 2000, a course handout)	166
Figure 3.12: Overall semiotic space of language-in-context: "phase" and "experiential" in focus	179
Figure 4.1: The Procedures in Content Analysis	168
Figure 6.1: Frequency distribution of process types in the phase types of LD-in-text 1	319
Figure 6.2: Frequency distribution of process types in the phase types of LD-in-text 2	341
Figure 6.3: Frequency distribution of process types in the phase types of LD-in-text 3	362
Figure 6.4: Frequency distribution of process types in the phase types of LD-in-text 4	385
Figure 6.5: Frequency distribution of process types in the phase types of LD-in-text 5	408
Figure 6.6: Frequency distribution of process types in the phase types of LD-in-text 6	431
Figure 6.7: Frequency distribution of process types in the phase types of LD-in-text 7	460

LIST OF TABLES

	page
Table 3.1: Halliday's register model versus Martin's genre model (Matthiessen 1993: 233)	82
Table 3.2: Six models of context within the GSFLT framework.	85
Table 3.3: Metafunctions, orders of reality construed and grammatical Realisations (cf. e.g. Martin, 1993: 145)	89
Table 3.4: Summary of the process and participant types in the English transitivity System (see Halliday 1994: 106-149)	104
Table 3.5: Summary of the circumstantial element types in the English transitivity System (see Halliday 1994: 152-158)	111
Table 3.6: Projection in English (cf. Halliday 1994: 220)	114
Table 3.7: Speech Functions and mood structures (cf. Halliday 1994: 69, Martin et al., 1997: 61-63)	116
Table 3.8: Metafunctions as themes, theme realisations in grammatical Functions and classes, and instances in clause expressions (Matthiessen 1995b)	123
Table 3.9: A sample of Young's phasal analysis of discourse (Young, 1990: 235, 287)	137
Table 3.10: Phases and sub-phases as potentials for choosing in lecture discourse- in-text.	149
Table 3.11 a: Experiential values and transitivity representations as potentials for	154
Table 3.11 b: choosing in lecture discourse-in-text (cf. Halliday 1994: 143, 166).	155
Table 4.1: Background of Participants	161
Table 4.2: Sample population (subjects) and related programs	162
Table 4.3: 7 (seven) lecture texts as data and the related subjects (participants), programs, lecture topics and methods	164
Table 4.4: Codes for nuclear and circumstantial transitivity types	172
Table 4.5: Codes for phasal and sub-phasal types	174
Table 5.1: Recurrent phase types of the LD-in-texts.	176
Table 5.2: Recurrent sub-phase types of the LD-in-texts.	177
Table 5.3: Recurrent phase patterns of the LD-in-texts.	224

Table 5.4:	Sample phase pattern 1 and linguistic expressions.	226
Table 5.5:	Sample phase pattern 2 and linguistic expressions.	228
Table 5.6:	Sample phase pattern 3 and linguistic expressions.	230
Table 5.7:	Sample phase pattern 4 and linguistic expressions.	231
Table 5.8:	Sample phase pattern 5 and linguistic expressions.	233
Table 5.9:	Sample phase pattern 6 and linguistic expressions.	235
Table 5.10:	Sample phase pattern 7 and linguistic expressions.	237
Table 5.11:	Sample phase pattern 8 and linguistic expressions.	238
Table 5.12:	Sample phase pattern 9 and linguistic expressions.	240
Table 5.13:	Recurrent sub-phase patterns of the LD-in-texts.	241
Table 6.1:	Exemplified recurrent semantic features and nuclear transitivity process types in the LD-in-texts	260
Table 6.2a	Exemplified recurrent inherent participant and circumstantial	261
Table 6.2b	transitivity types in the LD-in-texts	262
Table 6.3:	Sample transitivity process types, micro-functions and macro- functions in the LD-in-text 1	263
Table 6.4:	Summary of frequency distribution of process types in the phase types of the LD-in-text 1	284
Table 6.5:	Summary of frequency distribution of participant functions and types in the LD-in-text 1	285
Table 6.6:	Summary of frequency distribution of circumstantial types in the LD- in-text 1	286
Table 6.7:	Sample transitivity process types, micro-functions and macro- functions in the LD-in-text 2	287
Table 6.8:	Summary of frequency distribution of process types in the phase types of the LD-in-text 2	305
Table 6.9:	Summary of frequency distribution of participant functions and types in the LD-in-text 2	306
Table 6.10:	Summary of frequency distribution of circumstantial types in the LD- in-text 2	307
Table 6.11:	Sample transitivity process types, micro-functions and macro- functions in the LD-in-text 3	308
Table 6.12:	Summary of frequency distribution of process types in the phase types of the LD-in-text 3	325
Table 6.13:	Summary of frequency distribution of participant functions and types in the LD-in-text 3	326

Table 6.14:	Summary of frequency distribution of circumstantial types in the LD-in-text 3	326
Table 6.15:	Sample transitivity process types, micro-functions and macro-functions in the LD-in-text 4	327
Table 6.16:	Summary of frequency distribution of process types in the phase types of the LD-in-text 4	345
Table 6.17:	Summary of frequency distribution of participant functions and types in the LD-in-text 4	346
Table 6.18:	Summary of frequency distribution of circumstantial types in the LD-in-text 4	346
Table 6.19:	Sample transitivity process types, micro-functions and macro-functions in the LD-in-text 5	347
Table 6.20:	Summary of frequency distribution of process types in the phase types of the LD-in-text 5	366
Table 6.21:	Summary of frequency distribution of participant functions and types in the LD-in-text 5	367
Table 6.22:	Summary of frequency distribution of circumstantial types in the LD-in-text 5	368
Table 6.23:	Sample transitivity process types, micro-functions and macro-functions in the LD-in-text 6	369
Table 6.24:	Summary of frequency distribution of process types in the phase types of the LD-in-text 6	387
Table 6.25:	Summary of frequency distribution of participant functions and types in the LD-in-text 6	388
Table 6.26:	Summary of frequency distribution of circumstantial types in the LD-in-text 6	389
Table 6.27:	Sample transitivity process types, micro-functions and macro-functions in the LD-in-text 7	390
Table 6.28:	Summary of frequency distribution of process types in the phase types of the LD-in-text 7.	413
Table 6.29:	Summary of frequency distribution of participant functions and types in the LD-in-text 7.	414
Table 6.30:	Summary of frequency distribution of circumstantial types in the LD-in-text 7.	415
Table 6.31:	Overall summary of frequency distribution of process types in the LD-in-texts.	417

Table 6.32:	Overall summary of frequency distribution of process types in the phase types of the LD-in-texts.	419
Table 6.33:	Overall summary of frequency distribution of participant functions in the LD-in-texts.	421
Table 6.34:	Overall summary of frequency distribution of participant types in the LD-in-texts.	422
Table 6.35:	Overall summary of frequency distribution of circumstantial types in the LD-in-texts.	423

LIST OF ABBREVIATIONS

Codes	Phasal & sub-phasal types	Codes	Process and participant types & functions
DS	Discourse Structuring	Mat	Material process
SU	Substantiation	Int	Intensive relational process
CO	Conclusion	Poss	Possessive relational process
EV	Evaluation	Circ	Circumstantial relational process
CT	Consent	Percep	Perception mental process
OR	Orientation	Cog	Cognition mental process
RE	Reminder	Affec	Affection mental process
FO	Focus	Behl	Behavioral process
ME	Message	Ver	Verbal process
AS	Aside	Exi	Existential process
ST	Statement	HP	Human participant
EP	Explanation	NHP	Non-human participant
DE	Definition	Actor	Actor
EX	Exemplification	Goal	Goal
QU	Quotation	Id	Identified
IC	Interchange	Ir	Identifier
DI	Direction	Iden	Identifying
DR	Drill	Attrib	Attributive
CH	Check	Carrier	Carrier
SM	Summary	Attr	Attribute
EM	Emphasis	Posr	Possessor
RM	Recommendation	Poss	Possession
JU	Judgement	Posd	Possessed
HM	Humour	Senser:	Senser
AP	Apology	Pheno	Phenomenon
GR	Greeting	Sayer	Sayer
LT	Leave-taking	Verbia	Verbiage
		Behv	Behaver
		Exist	Existent
		Range	Range
		Bene	Beneficiary
		Recip	Recipient
		Client	Client
		Receiv	Receiver
		Target	Target
		Inducer	Inducer
		Initiator	Initiator
		Attributor	Attributor
		Assigner	Assigner

Codes/Terms	Circumstantial types	Codes/Terms	Circumstantial types
Extent	Extent	Cont	Contingency
Loc	Location	Cond	Condition
Temp	Temp	Cons	Concession
Spa	Spatial	Defa	Default
Manner	Manner	Accomp	Accompaniment
Means	Means	Comi	Commitative
Qua	Quality	Add	Additive
Comp	Comparison	Role	Role
Cause	Cause	Guise	Guise
Rea	Reason	Prod	Product
Pur	Purpose	Matter	Matter
Beh	Behalf	Angle	Angle

Codes/Terms	Linguistic theory	Codes/Terms	
GSFLT	General Systemic-functional Linguistic Theory.		