Contents

Pre	face			xix
Ac	knowl	edgemen	ats	xxiii
Ab	brevia	tions, syı	mbols and transcription	XXV
В.				
	rt I U roduct:		of the Cognitive Linguistics Enterprise	_
e ree	ouuci	ion		3
1	Wha	it does i	t mean to know a language?	5
	1.1	What i	is language for?	6
		1.1.1	The symbolic function of language	6
		1.1.2	The interactive function of language	9
	1.2	The sy	stematic structure of language	11
		1.2.1	Evidence for a system	12
		1.2.2	The systematic structure of thought	14
	1.3	What o	do linguists do?	15
		1.3.1	What?	15
		1.3.2	Why?	16
		1.3.3	How?	16
		1.3.4	Speaker intuitions	16
		1.3.5	Converging evidence	17
	1.4	What i	t means to know a language	18
	1.5 Summary			20
	Furt	her readi	ng	22
	Exer	cises		23
				- **

2	The	nature	of cognitive linguistics: assumptions and					
_	commitments							
	2.1	Two ke	ey commitments	27				
		2.1.1	The 'Generalisation Commitment'	28				
		2.1.2	The 'Cognitive Commitment'	40				
	2.2	The er	nbodied mind	44				
		2.2.1	Embodied experience	45				
		2.2.2	Embodied cognition	46				
		2.2.3	Experiential realism	47				
	2.3	Cognit	tive semantics and cognitive approaches to grammar	48				
	2.4	Summ	ary	50				
	Furt	her read	ing	50				
	Exer	cises		52				
3			and variation in language, thought and					
	-	rience		54				
	3.1		rsals in thought and language	55				
		3.1.1	Typological universals	57				
		3.1.2	e	60				
		3.1.3	e e	63				
	3.2		linguistic patterns in semantic systems	68				
		3.2.1	Patterns in the conceptualisation of space	68				
		3.2.2	Patterns in the conceptualisation of time	75				
	3.3		linguistic variation in semantic systems	87				
		3.3.1	Variation in the conceptualisation of space	87				
		3.3.2	Variation in the conceptualisation of time	92 95				
	3.4 Linguistic relativity and cognitive linguistics							
		3.4.1	Whorf and the Linguistic Relativity Principle	96				
		3.4.2	Language as a shaper of thought	98				
		3.4.3	The cognitive linguistics position	101				
	3.5	Summ	ary	101				
	Furt	Further reading 102						
	Exer	cises		105				
4	Lang	guage ir	use: knowledge of language, language change					
			ge acquisition	108				
	4.1	_	age in use	109				
		4.1.1	A usage event	109				
		4.1.2	The relationship between usage and linguistic					
			structure	111				
		4.1.3	Comprehension and production	112				
		4.1.4	Context	112				

		4.1.5	Frequency	114
	4.2	_	itive Grammar	114
		4.2.1	Abstraction, schematisation and language use	115
		4.2.2	Schemas and their instantiations	115
		4.2.3	Partial sanction	116
		4.2.4	The non-reductive nature of schemas	117
		4.2.5	Frequency in schema formation	118
	4.3		ge-based approach to language change	120
		4.3.1	Historical linguistics and language change	121
		4.3.2	The Utterance Selection Theory of language	
			change	123
		4.3.3	The Generalised Theory of Selection and the	
			Theory of Utterance Selection	125
		4.3.4	Causal mechanisms for language change	127
	4.4		sage-based approach to language acquisition	133
		4.4.1	Empirical findings in language acquisition	134
		4.4.2	The cognitive view: socio-cognitive mechanisms	
			in language acquisition	136
		4.4.3	Comparing the generative view of language	
		_	acquisition	140
	4.5	Summ	•	146
	Further reading			
	Exer	cises		148
Par	r+ 11 <i>(</i>	Cognitis	ve Semantics	
	roducti		e Schlandes	1.50
11111	ouncii	on		153
5	What is cognitive semantics?			
	5.1			156 157
		5.1.1	Conceptual structure is embodied	157
		5.1.2		158
		5.1.3	Meaning representation is encyclopaedic	160
		5.1.4	Meaning construction is conceptualisation	162
	5.2	Phenor	mena investigated within cognitive semantics	163
		5.2.1	The bodily basis of meaning	163
		5.2.2	Conceptual structure	165
		5.2.3	Encyclopaedic semantics	166
		5.2.4	Mappings	167
		5.2.5	Categorisation	168
		5.2.6	Word meaning and polysemy	169
	5.3	Metho	· · · · · · · · · · · · · · · · ·	170
	5.4		comparisons with formal approaches to semantics	171
			* •	

	5.5	Summ	•	172 173
	Exer	ner readi	ng	173
	Exer	cises		1/7
6	Emb	odimer	nt and conceptual structure	176
	6.1		schemas	177
		6.1.1	What is an image schema?	178
		6.1.2	Properties of image schemas	179
		6.1.3	Image schemas and linguistic meaning	189
		6.1.4	A provisional list of image schemas	190
		6.1.5	- · · · · · · · · · · · · · · · · · · ·	190
	6.2	Conce	ptual structure	191
		6.2.1	Semantic structure	192
		6.2.2	Schematic systems	194
	6.3	Summ	ary	201
	Furt	her read	ing	201
	Exer	cises		202
7	The	encyclo	ppaedic view of meaning	206
	7.1	Dictio	naries versus encylopaedias	207
		7.1.1	The dictionary view	207
		7.1.2	Problems with the dictionary view	210
		7.1.3	Word meaning versus sentence meaning	213
		7.1.4	The encyclopaedic view	215
	7.2	Frame	semantics	222
		7.2.1	What is a semantic frame?	222
		7.2.2	Frames in cognitive psychology	222
		7.2.3	The COMMERCIAL EVENT frame	225
		7.2.4	Speech event frames	228
		7.2.5	Consequences of adopting a frame-based model	229
	7.3	The th	neory of domains	230
		7.3.1	What is a domain?	230
		7.3.2	Basic, image-schematic and abstract domains	232
		7.3.3	Other characteristics of domains	235
		7.3.4	Profile/base organisation	23€
		7.3.5	Active zones	238
	7.4		erceptual basis of knowledge representation	240
	7.5	Summ		243
		her read	•	244
	Exer			245
		•		

8	Cat	egorisa	tion and idealised cognitive models	248		
	8.1	Categ	orisation and cognitive semantics	249		
		8.1.1	The classical theory	251		
		8.1.2	The definitional problem	252		
		8.1.3	The problem of conceptual fuzziness	253		
		8.1.4	The problem of prototypicality	254		
		8.1.5	Further problems	254		
	8.2	Protot	type theory	255		
		8.2.1	Principles of categorisation	255		
		8.2.2	The categorisation system	256		
		8.2.3	The vertical dimension	256		
		8.2.4	The horizontal dimension	264		
		8.2.5	Problems with prototype theory	268		
	8.3	The th	neory of idealised cognitive models	269		
		8.3.1	Sources of typicality effects	270		
		8.3.2	Radial categories as a further source of typicality	270		
			effects	275		
		8.3.3	Addressing the problems with prototype theory	278		
	8.4	The st	ructure of ICMs	279		
	8.5	Summ		281		
	Furt	her read		282		
	Exer	cises		283		
9	Met	aphor a	nd metonymy	286		
	9.1		versus figurative language	287		
		9.1.1	Literal and figurative language as complex concepts	287		
		9.1.2	Can the distinction be maintained?	289		
	9.2		s metaphor?	293		
	9.3	Conceptual Metaphor Theory				
		9.3.1	The unidirectionality of metaphor	296 296		
		9.3.2	Motivation for target and source	290		
		9.3.3	Metaphorical entailments	298		
		9.3.4	Metaphor systems	299		
		9.3.5	Metaphors and image schemas	300		
		9.3.6	Invariance	301		
		9.3.7	The conceptual nature of metaphor	303		
		9.3.8	Hiding and highlighting	303		
	9.4		y Metaphor Theory			
	- •	9.4.1	Primary and compound metaphors	304		
		9.4.2	Experiential correlation	304		
		9.4.3	Motivating primary metaphors	305		
		9.4.4	Distinguishing primary and compound metaphors	306		
		7.1.1	Distinguishing primary and compound metaphors	307		

COGNITIVE LINGUISTICS: AN INTRODUCTION

	9.5	What is	s metonymy?	310
	9.6	Concep	otual metonymy	314
		9.6.1	Metonymy as an access mechanism	315
		9.6.2	Metonymy-producing relationships	316
		9.6.3	Vehicles for metonymy	317
	9.7	Metaph	nor-metonymy interaction	318
	9.8	Summa	ary	321
	Furtl	ner readi	ng	322
	Exerc	cises		325
10	Word	l meani	ng and radial categories	328
	10.1	Polyser	ny as a conceptual phenomenon	329
		-	as radial categories	331
	10.3	The fu	ll-specification approach	333
		10.3.1	Image schema transformations	337
		10.3.2	Metaphorical extensions	339
	10.4	Problem	ms with the full-specification approach	339
	10.5	The Pr	rincipled Polysemy approach	342
		10.5.1	Distinguishing between senses	342
		10.5.2	Establishing the prototypical sense	344
		10.5.3	Illustration of a radial category based on Principled	
			Polysemy	347
		10.5.4	Beyond prepositions	348
	10.6	The im	nportance of context for polysemy	352
		10.6.1	Usage context: subsenses	353
		10.6.2	Sentential context: facets	354
		10.6.3	Knowledge context: ways of seeing	355
	10.7	Summa	ary	355
	Furtl	ner readi	ng	356
	Exer	cises		359
11	Mea	ning cor	nstruction and mental spaces	363
	11.1		ce meaning in formal semantics	364
	11.2		ng construction in cognitive semantics	365
	11.3		ls a cognitive theory of meaning construction	368
	11.4		chitecture of mental space construction	371
		11.4.1	Space builders	371
		11.4.2	Elements	371
		11.4.3	Properties and relations	372
		11.4.4	Mental space lattices	374
		11.4.5	Counterparts and connectors	375
		11.4.6	The Access Principle	376
			•	

		11.4.7	Roles and values	381
	11.5	An illu	astration of mental space construction	382
	11.6	The d	ynamic nature of meaning construction	386
			Tense and aspect in English	387
		11.6.2		389
		11.6.3		394
	11.7	Summ	-	396
	Furt	her read	ing	397
	Exer	cises		397
12	Con		blending	400
	12.1		rigins of Blending Theory	401
	12.2	Towar	ds a theory of conceptual integration	403
	12.3		ature of blending	407
		12.3.1	The elements of conceptual blending	408
		12.3.2	Further linguistic examples	410
		12.3.3	<i>b</i>	415
	12.4	Vital re	elations and compressions	418
			Vital relations	419
		12.4.2	A taxonomy of vital relations and their	
			compressions	420
		12.4.3	Disintegration and decompression	425
	12.5		nomy of integration networks	426
		12.5.1	•	426
			Mirror networks	426
			Single-scope networks	427
		12.5.4	Double-scope networks	429
	12.6		le blending	431
	12.7		aining Blending Theory	433
	12.8		ring Blending Theory with Conceptual Metaphor	
		Theory	1	435
		12.8.1	Contrasts	435
			When is a metaphor not a blend?	437
		12.8.3	What Blending Theory adds to Conceptual	
			Metaphor Theory	437
	12.9	Summa	<u>-</u>	439
		er readi	ng	440
	Exerc	ises		441
13			mantics in context	445
	13.1		conditional semantics	446
		13.1.1	Meaning, truth and reality	446

		13.1.2	Object language versus metalanguage	446
			The inconsistency of natural language	447
		13.1.4	•	448
		13.1.5		
			enterprise	449
		13.1.6	Compositionality of meaning	450
		13.1.7	- · · · · · · · · · · · · · · · · · · ·	
			metalanguage	451
		13.1.8	Semantic interpretation and matching	452
		13.1.9	Comparison with cognitive semantics	455
	13.2	Releva	nce Theory	459
		13.2.1	Ostensive communication	459
		13.2.2	Mutual cognitive environment	459
		13.2.3	Relevance	460
		13.2.4	Explicature and implicature	461
		13.2.5	Metaphor	463
		13.2.6	Comparison with cognitive semantics	463
	13.3 Summary			
	Furtl	ner readi	ng	466
	Exer	cises		466
			ve Approaches to Grammar	
Int	roductio	o n		471
14	Wha	tisa.co	gnitive approach to grammar?	475
11	14.1		g assumptions	476
	1 1.1		The symbolic thesis	476
			The usage-based thesis	478
			The architecture of the model	479
	14.2		et cognitive approaches to grammar	480
	1 1.2	14.2.1		480
			Cognitive Grammar	480
		14.2.3	·	481
			Cognitive approaches to grammaticalisation	482
	14.3		natical terminology	483
	17.3	14.3.1	Grammar	484
		14.3.1	Units of grammar	484
		14.3.2	-	486
		14.3.4		492
		14.3.5	Grammatical functions	494
				498
	11/1	14.3.6 Characa	Agreement and case	500
	14.4	Cnarac	teristics of the cognitive approach to grammar	200

		14.4.1	Grammatical knowledge: a structured inventory of	
		1442	symbolic units	501
		14.4.2	Features of the closed-class subsystem	502
		14.4.3		504
	145	14.4.4	Sanctioning and grammaticality	505
	14.5		· ·	506
		her readi	ng	507
	Exer	cises		509
15	The	concept	tual basis of grammar	512
	15.1	The gr	rammatical subsystem: encoding semantic structure	513
	15.2		's 'Conceptual Structuring System Model'	514
		15.2.1	The configuration of SPACE and TIME	515
		15.2.2	Conceptual alternativity	516
		15.2.3	Schematic systems	517
		15.2.4	The 'Configurational Structure System'	518
		15.2.5	The 'Attentional System'	526
		15.2.6	The 'Perspectival System'	528
		15.2.7	The 'Force-Dynamics System'	531
	15.3	Langac	cker's theory of Cognitive Grammar	533
		15.3.1	The conceptual basis of word classes	533
		15.3.2		535
		15.3.3	Force-dynamics	544
	15.4	Catego	risation and polysemy in grammar: the network	
		concep		545
	15.5	Summa	ary	548
	Furtl	ner readi	ng	549
	Exer	cises		550
16	Cogr	nitive Gr	rammar: word classes	553
	16.1		lasses: linguistic categorisation	554
	16.2		al predications: nouns	556
	10.2		Bounding	557
			Homogeneity versus heterogeneity	559
		16.2.3	Expansibility and contractibility versus replicability	559
		16.2.4	Abstractions	560
	16.3		al versus relational predications	561
	16.4		ral versus atemporal relations	563
	-0.1	_	Temporal relations: verbs	564
		16.4.2	Atemporal relations	565
		16.4.3	Class schemas	
	16.5		al grounding predications	570 572

		16.5.1	Determiners and quantifiers	572	
		16.5.2	· ····	575	
	16.6	Summa	ary	577	
	Furt	her readi	ng	577	
	Exer	cises		578	
17	Cog	nitive G	rammar: constructions	581	
	17.1		structure	582	
		17.1.1	Valence	583	
		17.1.2	Correspondence	584	
			Profile determinacy	585	
		17.1.4			
			dependence	585	
		17.1.5	Constituency	588	
		17.1.6	The prototypical grammatical construction	588	
	17.2	Word st	tructure	589	
		17.2.1	Phonological autonomy and dependence	590	
		17.2.2	Semantic autonomy and dependence	590	
		17.2.3	Prototypical stems and affixes	591	
		17.2.4	Composite structure	591	
			Constructional schemas	592	
		17.2.6	Grammatical morphemes and agreement	593	
	17.3	Clauses	5	594	
		17.3.1	Valence at the clause level	595	
		17.3.2	Grammatical functions and transitivity	601	
		17.3.3	Case	606	
		17.3.4	Marked coding: the passive construction	609	
	17.4	Summa		610	
	Furt	Further reading			
	Exer	cises		612	
18	Cogn	nitive Gr	rammar: tense, aspect, mood and voice	615	
			verbs: form and function	616	
	18.2	The cla	usal head	617	
		18.2.1	The passive construction: [be ₂ [PERF ₃ [V]]]	620	
		18.2.2	The progressive construction: [be, [-ing [V]]]	621	
		18.2.3	The perfect construction: [have [PERF ₄ [V]]]	621	
	18.3	The gro	ounding predication: mood and tense	624	
		18.3.1	Mood	625	
		18.3.2	Tense	626	
			The epistemic model	627	
	18.4		n aspect	631	
			•	00.	

		18.4.1	Situation types	631
		18.4.2	Perfective and imperfective PROCESSES	632
		18.4.3	Aspect and the count/mass distinction	634
	18.5	Summ	ary	637
	Furt	her read	ing	638
	Exer	cises		638
19	Mot	ivating	a construction grammar	641
			ructions versus 'words and rules'	642
	19.2	Explo	ring idiomatic expressions	643
		19.2.1	Typology of idiomatic expressions	643
		19.2.2	Case study I: the <i>let alone</i> construction	648
			Case study II: the what's X doing Y construction	651
	19.3		ruction Grammar	653
		19.3.1	The Construction Grammar model	653
		19.3.2	Construction Grammar: a 'broadly generative'	
			model	659
		19.3.3	Comparing Construction Grammar with	
			Cognitive Grammar	660
	19.4	The 'C	Generalisation Commitment'	661
	19.5	Summ	ary	662
	Furtl	ner readi	ng	662
	Exerc	cises		663
20	The	archite	cture of construction grammars	666
	20.1		erg's construction grammar	667
		20.1.1	Assumptions	667
		20.1.2	Advantages of a constructional approach to verb	
			argument structure	669
		20.1.3	The relationship between verbs and	
		20.1.4	constructions	671
		20.1.4	Relationships between constructions Case studies	680
	20.2		Case studies l Construction Grammar	684
	20.2	20.2.1		692
		20.2.1	· · · · · · · · · · · · · · · · · · ·	693
		20.2.2	Emphasis on diversity	693
	20.3		Five key features of RCG lied Construction Grammar	693
	40.3	20.3.1		697
			Emphasis on language processing	697
	20.4	20.3.2	Analysis and simulation	698
		_	ring constructional approaches to grammar	699
	20.5	Summa	агу	701

	Furtl	ner readi	ng	702	
	Exer	cises		703	
21	Gran	nmatica	alisation	707	
	21.1	The na	ture of grammaticalisation	708	
		21.1.1	Form change	710	
		21.1.2	Meaning change	712	
	21.2		norical extension approaches	714	
			Case study: OBJECT-TO-SPACE	718	
		21.2.2	7	719	
	21.3		Inferencing Theory	721	
			Case study: the evolution of must	725	
	21.4		bjectification approach	728	
		21.4.1	Case study: be going to	730	
		21.4.2	Case study: the evolution of auxiliaries from verbs		
		_	of motion or posture	730	
	21.5		rison of the three approaches: be going to	732	
	21.6	Summa		733	
		ner readi	ng	734	
	Exer	cises		736	
22	Cog	nitive ap	pproaches to grammar in context	741	
	22.1		es of grammar: assumptions, objectives,		
		method	2.	741	
		22.1.1	Cognitive approaches to grammar	743	
		22.1.2	Generative approaches to grammar	743	
			Cognitive versus generative models	752	
			Functional-typological approaches to grammar	758	
	22.2		sues in grammar: comparing cognitive and		
		· ·	ive accounts	761	
		22.2.1		761	
		22.2.2	Constituency: heads and dependents	763	
			The status of tree diagrams	763	
			Grammatical functions and case	765	
		22.2.5	The verb string: tense, aspect and mood	767	
		22.2.6	The passive construction	769	
	22.3		· •	771	
	Furth	er readir	ng	771	
	Exercises 7				

Part IV Conclusion

23	Assessing the cognitive linguistics enterprise		777
	23.1	Achievements	777
	23.2	Remaining challenges	779
	23.3	Summary	782
		: Tables and Figures	783
References			792
Ind	ex		812