## **Contents**

List of figures

	List of tables Preface and acknowledgments		xiv xv	
	List of abbreviations			
1	Some preliminaries			
	1.1	Introduction	1	
	1.2	What is a grammaticalized form?	4	
		1.2.1 A preliminary classification of grammatical forms	4	
		1.2.2 Clines	6	
		1.2.3 Periphrasis versus affixation	7	
	1.3	Some further examples of grammaticalization	9	
		1.3.1 <i>Lets</i>	10	
		1.3.2 A West African complementizer	13	
		1.3.3 Agreement markers	15	
	1.4	Grammaticalization and language structure	16	
	1.5	Grammaticalization and the directionality of language change	16	
	1.6	Conclusion	17	
2	The history of grammaticalization			
	2.1	Introduction	19	
	2.2	Earlier research on grammaticalization	19	
	2.3	Research on grammaticalization from the 1960s to		
		the 1990s	25	
	2.4	Recent trends in research on grammaticalization	30	
3	Me	chanisms: reanalysis and analogy	39	
	3.1 Introduction			
	3.2	Some background assumptions about change	40	
		3.2.1 Induction, deduction, abduction	41	
		3.2.2 Who is the language learner?	43	
		3.2.3 The question of genetic endowment	45	
		3.2.4 Innovation versus spread	46	

page xiii

	3.3	Reanalysis	50	
	5.5	3.3.1 The French inflectional future	52	
		3.3.2 The English modal auxiliaries	55	
	3.4	The independence of reanalysis and grammaticalization	58	
	٠	3.4.1 Word-order change	59	
	3.5	Analogy/rule generalization	63	
	3.6	The differential effects of reanalysis and analogy	68	
	3.7	Conclusion	69	
4	Pra	gmatic factors	71	
	4.1	Introduction	71	
	4.2	Inferencing and meaning change	74	
		4.2.1 Semantics and pragmatics	76	
		4.2.2 Relationships between senses of a form: homonymy		
		and polysemy	77	
		4.2.3 Conversational and conventional inferencing	78	
	4.3	The role of pragmatic inferencing in grammaticalization	81	
		4.3.1 Metaphorical processes	84	
		4.3.2 Metonymic processes	87	
	4.4	Metaphor and metonymy as problem solving	92	
	4.5	Pragmatic enrichment versus "bleaching"	94	
	4.6	Conclusion	98	
5	The	e hypothesis of unidirectionality	99	
	5.1	Introduction	99	
	5.2	Generalization	100	
		5.2.1 Generalization of meaning	101	
		5.2.2 Generalization of grammatical function	104	
	5.3	Decategorialization	106	
		5.3.1 A noun-to-affix cline	110	
		5.3.2 A verb-to-affix cline	111	
		5.3.3 Multiple paths	114	
	5.4	Some processes participating in unidirectionality	115	
		5.4.1 Specialization	116	
		5.4.2 Divergence	118	
		5.4.3 Renewal	122	
	5.5	A synchronic result of unidirectionality: layering	124	
	5.6	Frequency	126	
		5.6.1 Frequency effects	127	
		5.6.2 Synchronic studies of frequency	128	
		5.6.3 Diachronic studies of frequency	129	
	5.7	Counterexamples to unidirectionality	130 138	
	5.8	•		
	5.9	Conclusion	139	

			Contents	Xi	
6	Cla	use-inte	rnal morphological changes	140	
	6.1	Introduc		140	
	6.2	Morpho	ologization	140	
		6.2.1	Some characteristics of clitics	142	
		6.2.2	Positions of clitics	143	
		6.2.3	Semantic "relevance" as a factor in fusion and morpheme		
			order	151	
			Phonological concomitants of morphologization	154	
	6.3		relopment of paradigms	159	
	6.4	Argument-structure marking: functional-semantic hierarchies			
			rphological generalization	165	
			Object marking in Persian	165	
			Ergative case marking: a statistical perspective	168	
	6.5	Loss		172	
	6.6	Conclus	sion	174	
7	Grs	mmati	calization across clauses	175	
′	7.1	Introdu		175	
	7.1		of clause-combining constructions	176	
	1.2		Parataxis	179	
			Hypotaxis	181	
			Subordination	183	
	7.3		ammaticalization of clause linkers	184	
	7.4	Evamo	les of the development of complex sentence		
	7.4	constructions		190	
			That-complementation in English	190	
			Quotative say-constructions in Akkadian	194	
		7.4.3	Relative clauses in English and Hittite	196	
	7.5		omplex to simple clauses	204	
	,	7.5.1	From clause chaining to verb inflection in Lhasa	204	
		7.5.2	Two conjoined clauses reanalyzed as a single		
			clause	206	
		7.5.3	From main clause construction to sentential		
		, ,,	adverb in contemporary English	207	
	7.6	Some of	counterexamples to unidirectionality in clause		
		combin		209	
	7.7	Conclu	e	211	
~	~		. It is it is attractions of outnome language		
8					
	contact				
	8.1	Introdu		212 213	
	8.2		characteristics of pidgins and creoles	213	
		8.2.1	Some characteristics of pidgins	216	
		8.2.2	Some characteristics of creoles	Ωش	

9	Sun	nmary and suggestions for further work	231		
	8.4	Specific implications of pidgins and creoles for grammaticalization	224		
		8.3.2 Simplification and elaboration	222		
		8.3.1 Child versus adult language acquisition	219		
	8.3	Implications of pidgins and creoles for language change	219		
xii	Con	Contents			

grammaticalization	224
Summary and suggestions for further work	231
Notes	234
References	237
Index of names	265
Index of languages	270
General index	272