

Contents

Preface		ix
1. Constraints, Modules, and Domain Specificity:		
An Introduction		1
<i>Michael Maratsos</i>		
A General Backdrop	1	
Domain Specificity	3	
Constraints and Domain Specificity	4	
Modularity and Constraints	12	
Fodorian Modules	15	
Innateness, Modules, Constraints, and Domain Specificity: Variation and Extensions	20	
References	23	
2. Modularity and Constraints in Early Lexical Acquisition: Evidence From Children's Early Language and Gesture		25
<i>Laura Ann Petitto</i>		
The Ontogeny of Language and Gesture	25	
Subjects	37	
Methods	38	
Results	42	
Discussion and Conclusion	52	
References	55	

3. Constraints on Word Learning: Speculations About Their Nature, Origins, and Domain Specificity	59
<i>Ellen M. Markman</i>	
Evidence for the Whole-Object, Taxonomic, and Mutual Exclusivity Assumptions	60
Constraints on Learning as Default Assumptions	67
Domain Specificity	72
Possible Origins of Word-Learning Assumptions	86
References	96
4. The Origins of an Autonomous Biology	103
<i>Frank C. Keil</i>	
Distinguishing the Biological World	106
Biology Out of Nothing: The Case of Concepts of Kinds	108
Troubles With Typicality	109
Inheritance	112
Growth—Paths of Origin and Kindhood	116
Disease—Patterns of Contagion	119
Disease—Types of Possible Agents	123
Essentialism Again	131
Conclusions	131
References	135
5. Language, Affect, and Social Order	139
<i>Carol Malatesta-Magai and Bruce Dorval</i>	
Chomsky's View of Language	140
Affect Theory	141
The Communicative Interchanges of One Family	143
Appendix	172
References	176
6. The Logical and Extrinsic Sources of Modularity	179
<i>Thomas Bever</i>	
Modularity and Language	179

Are We Making Mountains Out of Modules? 180	
The Central Problem and Thesis 184	
Computational Modularity—Processing Single Versus Multiple Representation 188	
The Generality of the Processing Differences in the Cerebral Hemispheres 189	
Familial Handedness and Variation in Kinds of Linguistic Knowledge 193	
Biological Variation in Modes of Abduction 196	
Spatial Learning: Two Ways to Get There From Here 200	
The Relation Between Abduction and Spatial Mechanisms 204	
Conclusion and Summary 206	
References 209	

7. Beyond Modules 213
Jacqueline Goodnow

The Question of Definitions and Criteria 213	
The Question of Relations Among Segments 216	
The Question of Implications 218	

8. What Do Developmental Psychologists Really Want? 221
Robert S. Siegler

Rootedness 222	
Change 225	
Evidence 227	
Method 229	
References 231	

Author Index 233	
Subject Index 239	