Contents

1 Meaning in the empirical study of language 1
  Chapter preview 1
  1.0 What is semantics? 2
  1.1 Meaning, communication and significance 3
  1.2 Talking about meaning in English and other languages 6
    1.2.1 'Meaning' in English 7
    1.2.2 'Meaning' in Warlpiri 9
    1.2.3 'Meaning' in French 10
    1.2.4 'Meaning' in Chinese 11
  1.3 The semiotic triangle: language, mind, world and meaning 13
  1.4 Some initial concepts 16
    1.4.1 Lexemes 16
    1.4.2 Sense/reference/denotation/connotation 17
    1.4.3 Compositionality 19
    1.4.4 Levels of meaning 21
  1.5 Object language and metalanguage 22
  1.6 Breaking the circle 24
    1.6.1 Meanings as referents/denotations 25
    1.6.2 Meanings as concepts/mental representations 27
    1.6.3 Meanings as brain states 32
    1.6.4 Meaning and use 36
  1.7 Meaning and explanation 38
    Summary 40
    Further reading 42
    Exercises 42

2 Meaning and definition 45
  Chapter preview 45
  2.1 Meaning and the dictionary 46
    2.1.1 Semantics and lexicography 46
  2.2 The units of meaning 50
    2.2.1 Words and morphemes 50
    2.2.2 Meanings below the morpheme: sound symbolism 54
    2.2.3 Meanings above the word level: idioms 56
    2.2.4 Contextual modulation of meaning 57
  2.3 Different ways of defining meanings 62
    2.3.1 Real and nominal definition 62
    2.3.2 Definition by ostension 65
    2.3.3 Definition by synonymy 66
    2.3.4 Definition by context or typical exemplar 66
    2.3.5 Definition by genus and differentia 67
## Table of Contents

2.4 Definition and substitutability  69  
2.5 Semantic primitives  70  
2.6 Problems with definitions  76  
2.7 Definition, understanding and use  79  
  
**Summary**  80  
**Further reading**  81  
**Exercises**  82  

3  The scope of meaning I: external context  87  
  
**Chapter preview**  87  
3.1 Meaning and context  88  
3.2 External context: sense and reference  90  
  
3.2.1 The Fregean distinction  90  
3.2.2 The sense/reference distinction and linguistic description  94  
3.2.3 Deixis  98  
3.3 Dictionary and encyclopaedia  100  
  
3.3.1 Knowledge of meaning and knowledge of facts  100  
3.3.2 Problems with the dictionary–encyclopaedia distinction  103  
  
**Summary**  105  
**Further reading**  106  
**Exercises**  106  

4  The scope of meaning II: interpersonal context  107  
  
**Chapter preview**  107  
4.1 Interpersonal context: illocutionary force and speech acts  108  
  
4.1.1 Locutionary, illocutionary and perlocutionary acts  109  
4.1.2 Consequences of the illocutionary perspective  111  
4.2 Interpersonal context: speaker’s intention and hearer’s inference  113  
4.3 Interpersonal context: implicature  116  
  
4.3.1 Discrepancies between truth-functional meaning and utterance meaning  116  
4.3.2 Conventional and conversational implicature  118  
4.4 Gricean maxims and the Cooperative Principle  119  
  
4.4.1 Infringing the maxims  120  
4.4.2 Questions about implicatures  121  
4.5 Are the maxims universal?  122  
4.6 Relevance theory  124  
4.7 Semantics and pragmatics  129  
  
**Summary**  131  
**Further reading**  132  
**Exercises**  132  

5  Analysing and distinguishing meanings  135  
  
**Chapter preview**  135  
5.1 Lexical relations  136  
  
5.1.1 Antonymy  137  
5.1.2 Meronymy  140
5.1.3 Hyponymy
5.1.4 Taxonomy
5.1.5 Synonymy
5.2 Componential analysis
5.3 Polysemy and meaning division
  5.3.1 Polysemy, monosemy and homonymy
  5.3.2 Tests for polysemy
  5.3.3 Polysemy and monosemy as a cline
  Further reading
  Exercises

6 Logic as a representation of meaning
  Chapter preview
  6.1 Validity, soundness and logical form
  6.2 Propositional logic
  6.3 Logic as representation and perfection of meaning
  6.4 Predicate logic
  6.5 Truth, models and extension
  6.6 Relations between propositions
    6.6.1 Entailment
    6.6.2 Presupposition
    6.6.3 Contradictories, contraries and subcontraries
  6.7 Meaning postulates
  6.8 Definite descriptions
  6.9 Logic and language
    Summary
    Further reading
    Exercises

7 Meaning and cognition I: categorization and cognitive semantics
  Chapter preview
  7.1 The semantics of categorization
    7.1.1 Classical categorization
    7.1.2 Problems with classical categories
    7.1.3 Prototype categorization
    7.1.4 Problems with prototype categories
  7.2 Language and conceptualization: cognitive approaches to semantics
    7.2.1 Commitments of cognitive semantics
    7.2.2 Idealized cognitive models
    7.2.3 Embodiment and image schemas
    7.2.4 Metaphor and metonymy
    7.2.5 Radial categories in word meaning
    7.2.6 Problems with cognitive semantics
    Summary
  Further reading
  Exercises
### 8 Meaning and cognition II: formalizing and simulating conceptual representations

Chapter preview 261

8.1 Conceptual semantics 262
- 8.1.1 Concepts and decomposition 262
- 8.1.2 Developing conceptual semantics analyses 265
- 8.1.3 Problems with conceptual semantics 269

8.2 Semantics and computation 270
- 8.2.1 The lexicon in computational linguistics 272
- 8.2.2 Word sense disambiguation 277
- 8.2.3 Pustejovskian semantics 280

Summary 283

Further reading 284
Exercises 285

### 9 Meaning and morphosyntax I: the semantics of grammatical categories

Chapter preview 287

9.1 The semantics of parts of speech 288
- 9.1.1 Variation in parts of speech systems 289
- 9.1.2 How are parts of speech delimited? 290
- 9.1.3 Grammatical category and discourse function 304

9.2 The semantics of tense and aspect 308
- 9.2.1 Tense 308
- 9.2.2 Aspect and Aktionsart 314
- 9.2.3 Typology of tense–aspect interactions 329

Summary 330

Further reading 332
Exercises 332

### 10 Meaning and morphosyntax II: verb meaning and argument structure

Chapter preview 335

10.1 Verbs and participants 336
- 10.1.1 The traditional picture: thematic roles 337
- 10.1.2 Problems with thematic roles 341
- 10.1.3 Proto-roles 344
- 10.1.4 Thematic relations and conceptual structure 348

10.2 Verb classes and alternations 352
10.3 The meaning of constructions 359

Summary 365

Further reading 366
Exercises 366
11 Semantic variation and change 369
  Chapter preview 369
  11.1 Sense, reference and metalanguage in semantic comparisons 370
  11.2 Semantic change 372
    11.2.1 The traditional categories 373
    11.2.2 Mechanisms and pathways of semantic change 377
    11.2.3 Grammaticalization 384
  11.3 Meaning through corpora 386
  11.4 Semantic typology 390
    11.4.1 Body parts 390
    11.4.2 Colour vocabulary 392
    11.4.3 Deictic motion 399
    11.4.4 Lexicalization patterns in motion verbs 400
    11.4.5 Spatial reference 407
  11.5 Language and thought 411
    Summary 418
    Further reading 421
    Exercises 421
  Glossary 423
  References 435
  Index 451