Preface for Teachers  xv
Acknowledgments  xxi

PART I  Setting Out  1

UNIT 1  What Is Semantics?  5
1.1 Leading Questions of Linguistics  5
1.2 Parts of Language  6
1.3 Kinds of “Meaning”  7

Exercises  15

UNIT 2  The Domain of Semantics  21
Review  21
2.1 Semantic Facts  22
2.2 Semantics as a Theory of Semantic Knowledge  26

Exercises  31

UNIT 3  The Form of Semantic Theory  33
Review  33
3.1 Semantics Interprets Syntactic Structure  34
3.2 Statements of Meaning  38
3.3 From Meaning to Truth  40

Exercises  45

UNIT 4  Introducing T-Theories  47
Review  47
4.1 T-Theory for (a Fragment of) Japanese  48
4.2 A Sample Derivation  51
4.3 Using Substitution  54
4.4 Labeled Bracket Notation  56
Exercises 61

Suggested Readings for Part I 65

PART II Building a Semantic Theory 67

UNIT 5 Simple Sentences 71
Review 71
5.1 Analyzing the Sentence 73
5.2 Incorporating Names, Predicates, and Simple Sentences 78
5.3 A New Theory with Simple Sentences 81

Exercises 83

UNIT 6 Extending the Theory I 85
Review 85
6.1 Lexical and Phrasal Rules 86
6.2 Extending the Semantics 86
6.3 A Sample Derivation 89
6.4 Our Current Theory 91

Exercises 93

UNIT 7 Extending the Theory II 95
Review 95
7.1 The “Fit” of Semantic Rules 95
7.2 Figuring Out New Rules 97
7.3 Purely Grammatical Elements 99
7.4 A Change in Our Metalanguage 102
7.5 Our Current Theory 104

Exercises 107

UNIT 8 Names and Predicates 115
Review 115
8.1 Singular Terms vs. General Terms 116
8.2 Object-Dependent vs. Object-Independent Truth Conditions 117
8.3 Acquiring Singular vs. General Terms  118
8.4 Two Puzzles about Proper Nouns  120

Exercises  125

UNIT 9  More on Predicates  129
Review  129
9.1 Predicates and Parts of Speech  129
9.2 Valence  130
9.3 Predicates in Other Categories  135
9.4 Valence and Structure  143
9.5 Our Current Theory  144

Exercises  145

UNIT 10  Semantic Components  159
Review  159
10.1 Componential Rules  160
10.2 Attributing Semantic Rules to Speakers  165

Exercises  175

UNIT 11  Participant Roles  183
Review  183
11.1 Introducing Participant Roles  184
11.2 Participant Roles, Predicates, and Scripts  185
11.3 Verb Alternations  187
11.4 Participant Roles and Structures  189

Exercises  195

UNIT 12  Events and Adverbs  203
Review  203
12.1 Sentences Describe Events  204
12.2 Incorporating Events  205
12.3 Incorporating Adverbs  210
12.4 Our Current Theory  213

Exercises  215
<table>
<thead>
<tr>
<th>UNIT 13</th>
<th><strong>More on Proper Nouns</strong></th>
<th>225</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Review</td>
<td>225</td>
</tr>
<tr>
<td>13.1</td>
<td>Proper Nouns as Complex Descriptions</td>
<td>226</td>
</tr>
<tr>
<td>13.2</td>
<td>Puzzles for Proper Nouns as Complex Descriptions</td>
<td>230</td>
</tr>
<tr>
<td>13.3</td>
<td>How Do Names Get Linked to Things?</td>
<td>233</td>
</tr>
<tr>
<td></td>
<td>Exercises</td>
<td>237</td>
</tr>
<tr>
<td></td>
<td><em>Suggested Readings for Part II</em></td>
<td>241</td>
</tr>
</tbody>
</table>

| PART III | **Semantic Theory and the World**  | 243 |

<table>
<thead>
<tr>
<th>UNIT 14</th>
<th><strong>Tense and Other Times</strong></th>
<th>247</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Review</td>
<td>247</td>
</tr>
<tr>
<td>14.1</td>
<td>Tense</td>
<td>248</td>
</tr>
<tr>
<td>14.2</td>
<td>Incorporating Tense into Our Theory</td>
<td>250</td>
</tr>
<tr>
<td>14.3</td>
<td>More on Tense</td>
<td>254</td>
</tr>
<tr>
<td>14.4</td>
<td>Our Current Theory</td>
<td>258</td>
</tr>
<tr>
<td></td>
<td>Exercises</td>
<td>261</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT 15</th>
<th><strong>Modals and Other Worlds</strong></th>
<th>265</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Review</td>
<td>265</td>
</tr>
<tr>
<td>15.1</td>
<td>Modality</td>
<td>266</td>
</tr>
<tr>
<td>15.2</td>
<td>Incorporating Modality into Our Theory</td>
<td>268</td>
</tr>
<tr>
<td>15.3</td>
<td>In What Sense Possible?</td>
<td>272</td>
</tr>
<tr>
<td>15.4</td>
<td>Our Current Theory</td>
<td>275</td>
</tr>
<tr>
<td></td>
<td>Exercises</td>
<td>277</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT 16</th>
<th><strong>Scope and Entailment</strong></th>
<th>283</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Review</td>
<td>283</td>
</tr>
<tr>
<td>16.1</td>
<td>Introducing Scope</td>
<td>284</td>
</tr>
<tr>
<td>16.2</td>
<td>Introducing Entailment</td>
<td>290</td>
</tr>
<tr>
<td></td>
<td>Exercises</td>
<td>297</td>
</tr>
</tbody>
</table>
UNIT 17  Variable Reference and Context  303
Review  303
17.1 Introducing Variable-Reference Terms  303
17.2 Truth with Respect to Context Situations  305
17.3 Context Situations as Sequences  308
17.4 Our Current Theory  312
Exercises  315

UNIT 18  Indexicals  321
Review  321
18.1 Indexical Proforms  322
18.2 Incorporating Indexicals  324
18.3 Demonstrative Uses of Pronouns  328
18.4 Indexicality in Other Phrases  329
18.5 Our Current Theory  330
Exercises  333

UNIT 19  “Displaced” Elements  341
Review  341
19.1 Displacement and Compositionality  342
19.2 Displacement and Context  344
19.3 Understanding Dislocation Sentences  346
19.4 Understanding Displacement  349
19.5 Displacement and Information Structure  350
19.6 Our Current Theory  355
Exercises  357

UNIT 20  Quantifiers I (Sets)  361
Review  361
20.1 Introducing Quantifier Phrases  361
20.2 Sets and Membership  363
20.3 Relations between Sets  366
20.4 Operations on Sets  368
20.5 Set Cardinality  370
Exercises  373
## Contents

**UNIT 21**  
Quantifiers II (Determiners)  375  
Review  375  
21.1 Determiners  375  
21.2 Determiners as Relations between Sets  377  
21.3 Lexical Rules for Determiners  378  
Exercises  385  

**UNIT 22**  
Quantifiers III (Rules)  391  
Review  391  
22.1 Rules for Quantified Sentences: First Pass  392  
22.2 Rules for Quantified Sentences: Second Pass  395  
22.3 Rules for Quantified Sentences: Final Pass  399  
22.4 Our Current Theory  403  
Exercises  407  
*Suggested Readings for Part III*  413  

**PART IV**  
Semantic Theory and the Mind  415  

**UNIT 23**  
T-Theories as Formal Systems  419  
Review  419  
23.1 Examples of Formal Systems  420  
23.2 T-Theories as Formal Systems  426  
23.3 The Importance of Formal Systems  430  
Exercises  435  

**UNIT 24**  
Knowing a Semantic Theory  439  
Review  439  
24.1 Graphs and Formulas  440  
24.2 Grammars and T-Theories  442  
Exercises  447  

**UNIT 25**  
The Nature of Semantic Values  449  
Review  449  
25.1 A Naïve View of Semantic Values  450
25.2  One Event or Two?  451
25.3  Water or Tea?  456
25.4  The Internal Nature of Semantics  457

Exercises  459

Suggested Readings for Part IV  463

References  465
Index  469