The study of meaning in language has developed dramatically over the last fifty years. Semantics is distinctive as it not only presents a general introduction to the topic, including the most recent developments, but it also provides a unique perspective for addressing current issues. It opens by introducing readers to the study of logic (natural deduction) as the background against which developments have taken place. This demonstrates the link between semantics and the study of reasoning and how this view can provide new solutions to the puzzles that have plagued the approaches presented in other textbooks. The major subject areas of semantics are discussed, including quantification, anaphora and discourse, tense and aspect, ellipsis and context and word meaning. The book also presents state-of-the-art research in topics at the forefront of semantics.

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CAMBRIDGE TEXTBOOKS IN LINGUISTICS


Semantics

An Introduction to Meaning in Language
Semantics
An Introduction to Meaning in Language

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Preface

Semantics, broadly construed, is the study of meaning in language; but don’t be fooled into thinking that such a characterisation is nothing more than a definition: a lot hangs on the word in. The theoretical study of semantics is the attempt to get to grips with what the expressions of a natural language contribute to some overall process of interpretation that the language makes possible. The challenge of understanding such a central aspect of human behaviour has gripped the greatest thinkers for many centuries and within many philosophical traditions.

The development of semantics, more narrowly, over the last half-century within linguistics, provides an almost textbook illustration of the way scientific theorising progresses. Intellectual argumentation feeds the sociology of academic custom; the successful view then squeezes out the rejected view so that it becomes first derided and then unthinkable; over time, this rejected stance emerges again, yet in a variant so transformed by the methodology of the successful view that new questions can be raised and new insights achieved that simply couldn’t in principle have been articulated at the earlier stage of debate.

In the current state of play in semantics, the view which has held total sway for nearly half a century is now the invariable stance of all semantics textbooks: semantics is the articulation of the relation between natural language expressions and the world around which language enables humans to talk about. Yet, in the research that has been developing over the last twenty years, the assumptions on which semantics has been grounded have been progressively shifting; and, in consequence, earlier disputes over the relation between semantics and the cognitive enterprise in general can be seen in an entirely different light, with new insights into natural-language understanding emerging in the light of the way the formal tools developed in semantic theorising have evolved.

This textbook is novel in aiming to introduce its readers to semantics in a way that will enable them not merely to appreciate the way the discipline of semantics has evolved over the last thirty years, but also to see the significance of the various shifts that are continuing to take place. Readers are provided with sufficient background in logic to see how formal investigation of natural language is grounded in the concept of formal language defined in logic. From this, they are introduced to the dispute over the status of semantic representations within the explanation of natural language, with consequent total abandonment of any form of cognitive representation within semantic explanation. They are
then introduced in depth to some of the major areas of formal semantic research: quantification, anaphora, tense/aspect, ellipsis and lexical meaning. Through the detailed characterisation of research in these areas, we have tried to give a sense both of why formal semantics has been so justly pre-eminent in semantic research, and yet how development of formal-semantic tools have led to the re-exploration of semantic representations within semantic explanation, albeit in a totally transformed way. Finally, in conclusion, we have suggested that new work in some of these areas promises to provide a drawing together of cognitive and semantic approaches to natural language.

At the most broad level, our aim has been to give readers a sense of how formal tools transform the nature of theoretical debate by sharpening the focus of intellectual ideas and thereby create new questions and hence new insights. If the reader comes to see that the developments in formal semantics over the last half-century are indeed an illustration of why it is that, in fruitful theoretical research, there is so often the push-me pull-you relation between foundational insights and formal methodologies, then we will deem it to have succeeded in its aims.

This book has benefited from a number of different influences. It has been written since the second author’s shift to the Philosophy Department at King’s College London, and she is happy to thank the department for the entirely convivial intellectual atmosphere within which exploration of some of these ideas has taken place. It brings together different teaching experiences of semantics by all three authors severally teaching at both undergraduate and postgraduate levels; and, reflecting these, the book is aimed at senior undergraduates, and master’s level students. Though the book combines introduction to semantics with introduction to logic, it has been quite explicitly written for linguistics students, and respecting that objective, we decided, after extended discussion, to write the logic sections ourselves, rather than turning to any one of a number of logicians who might well have been happy to contribute. Our view was that, in areas such as logic with tightly articulated formal content, it may sometimes be better to have an introduction written by authors somewhat outside the working core of the discipline, as only they can have a sense of what those coming from the other discipline need to know, and only they will be so crass as to try and extract just those relevant subparts.

So, in thanking those who have given us such support, we include first and foremost Dov Gabbay and Wilfried Meyer-Viol, from whom we have learnt an enormous amount over the years. There are however a lot of other people to thank, who have given us intellectual stimulation, friendship and collegiality over the years. Of the colleagues of the first author, special thanks go to Dan Wedgwood, who provided valuable input from the experience of teaching some of the material of this book, to Nik Gisborne for introducing him to the mysteries of lexical semantics, to Caroline Heycock, Bob Ladd, Heinz Giegerich and other colleagues at the University of Edinburgh whose friendship and collegiality have been a constant source of (critical) support over the last few decades. Then there
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and her Quaker training in never giving in when times get hard. The model she
has provided for her family has, indirectly, been a model to us all.