

# CONTENTS

*Preface* v

## AN INTRODUCTION TO DEDUCTIVE LOGIC

1. Inferability	1
2. Propositions	5
3. Logical truth	11
4. Entailment	19
5. Truth-functions	23
6. Axiomatic deduction	45
7. Natural deduction	51
8. Metatheory	77
9. Modalities	91
10. Quantifiers	107
11. Predicate calculus	119
<i>Appendix A: Categorical propositions</i>	139
<i>Appendix B: Other notations</i>	158
<i>Appendix C: Summary of systems</i>	160
<i>Bibliography</i>	177
<i>Index</i>	180