Contents

Ser	ries Editor's Foreword	Vii
Preface and Acknowledgements		ix
1.	Metaphysics and Science 1. Philosophy and science 1.1 Naturalism? 2. Where's the difference? 2.1 Scope	1 1 4 8 9
	2.2 Questions and answers2.3 Concepts, categories and methods3. Conclusions: need for a compatibilist naturalism	11 18 20
2.	Naturalism 1. Possibility, grounding and constructive naturalism 1.1 Claims of possibility and kinds of modality 1.1.1 Essences 1.2 Existence and grounding 2. Experimental metaphysics and constructive naturalism 3. Theory-choice in (naturalised) metaphysics 4. Conclusions	29 29 29 36 38 41 46 54
3.	 Matter Identity and individuality in quantum mechanics A first evaluation Quantum statistics A conservative proposal Final evaluation Quantum fields and beyond Relativistic and non-relativistic quantum field theory Strings and other stuff Ontic structural realism Conclusions 	62 71 74 81 87 89 97 99
4.	Space and Time 1. The metaphysics of time 1.1 Substantivalism v. relationism	114 114 115

		1.2 Presentism v. eternalism	121	
	2.	Metaphysics and contemporary physics of space and time:		
		the verdict of the constructive naturalist	132	
		2.1 Relationism and antirealism about time	133	
		2.1.1 McTaggart and Gödel	133	
		2.1.2 Contemporary antirealism about time	135	
		2.2 Presentism and eternalism: beyond relativity	140	
		2.3 Taking stock	143	
	3.	Supersubstantivalism	145	
	4.	Conclusions	147	
5.	Pa	arts and Wholes	156	
	1.	Part–whole: definitions and issues	156	
	2.	Horizontal issue: Humean supervenience and all that	158	
		Evaluation and proposal	172	
	4.	Vertical issue: grounding and fundamentality	173	
		4.1 Priority monism	173	
		4.2 Monism and structuralism	180	
	5.	Evaluation and proposal	183	
	6.	Conclusions	184	
Co	Conclusions			
Re	References			
Inc	Index			