CONTENTS

About the Author xv
Acknowledgements xvi
Introduction xvii
Particular features of the book xviii
Structure and outline of the book xviii

1 Types of Research and the Research Problem: Beginning Your Project 1

Aims 1
Introduction 2
What is research? 2
What it is for – the objectives of research 6
Types of research 8
Historical 9
Comparative 10
Descriptive 11
Correlation 12
Experimental 13
Evaluation 15
Action 17
Ethnogenic 17
Feminist 18
Cultural 19
The research process 20
Desirable characteristics of research findings 24
Starting your own research 27
Finding and defining a research problem 27

Some common mistakes 29
Aids to locating and analysing problems 31
Initial literature review and defining the problem area 33
Research problem definition 33
The sub-problems 34
Second review of literature 35
Planning a research project 38
Exploration 39
Testing out 39
Problem-solving 39
Which type of research lends itself best to gaining a research degree? 39
Your project plan 40
The next steps: finding your research problem area 48
Consolidation and assessment 50
Further reading 51

2 Research Theory and the Nature of Knowledge: Understanding Philosophies and Approaches 53

Aims 53
Introduction 54
Scientific enquiry 55
Pure induction 56
Deduction and the principle of falsification 58
Hypothesis 58
Falsification 59
Hypothetico-deductive or scientific method 60
Critical rationalism 62
Relativism 62
'Anti-method' stance 65
Approaches to social research 66
The positivist approach 67
The interpretivist approach 69
The reconciliatory approach 70
Critical realism 71
Structuralism, post-structuralism and postmodernism 73
Conclusions 75
The next steps: the theoretical basis of your research project 75
Consolidation and assessment 77
Further reading 77

3 Using Language and Understanding Arguments 79

Aims 79
Introduction 80
Concepts and theory 80
Concepts 80
Abstract and concrete concepts 82
Concept measurement 83
Levels of measurement 86
Theory 90
Theoretical statements 93
Language and argument 95
Statements: existent and relational 96
Discourse and argument 99
Using argument 101
Deductive and inductive arguments 103
Logic in argument 105
Fallacies in argument 108
Classification and analogy in argument 110
Conclusions 113
The next steps: which type of research for your topic? 114
Consolidation and assessment 116
Further reading 117

4 Finding, Organizing and Retrieving Information 119

Aims 119
Introduction 120
Finding the literature 120
Sources of information 120
The Internet 121
Evaluating Web sources 122
Libraries 123
Reading 128
Note-taking 132
Reasons for taking notes 132
Note-taking techniques 133
Collecting and ordering your notes 136
Personalized bibliographies 141
Conclusions 141
The next steps: devising your own information system and writing your literature review 142
Consolidation and assessment 144
Further reading 145

5 Doing Your Literature Review, Forming Original Ideas and Defining Your Research Topic **147**
Aims 147
Introduction 148
Doing a literature review 148
Critical reading skills 149
Different strategies explained in more detail 150
Critical appraisal 151
State of the art 151
Different and competing theories 152
Methodology review 152
Cross-disciplinary exploration 152
Historical overview 153
Doing the review 153
Style and content of the review 154
Forming original ideas and defining your research project 157
Conclusions 163
The next steps: Writing your literature review and defining your research project, and exploring appropriate research methods 164
Consolidation and assessment 165
Further reading 165

6 Honesty and Research Ethics: Establishing an Ethical Code **167**
Aims 167
Introduction 168
Honesty in your work and avoiding plagiarism 168
Intellectual ownership and plagiarism 168
Acknowledgement of other people's work through citation and referencing 169
Responsibility and accountability of the researcher 171
Data and interpretations 171
Where do you stand? 174
Situations that raise ethical issues 175
Research aims 175
Means and ends 176
Ethics in relation to other people 176
Terminology 177
Roles of researcher and researched 178
Participants 179
Carrying out the research 182
Potential harm and gain 182

Interviews and questionnaires 184
Participant involvement: experiments, observations, groups 184
Sensitive material 184
Honesty, deception and covert methods 185
Using assistants or delegating tasks 185
Social media research 186
Dealing with data 189
Storing and transmitting data 189
Analysing the data and getting results 189
Ethics policies, permissions and committees in organizations 192
Ethics committees 200
Conclusions 202
The next steps: plan your code of ethics 203
Consolidation and assessment 207
Further reading 208

7 Research Methods: Choosing the Best Methods for Your Project 210

Aims 210
Introduction 211
Data collection and analysis 211
Quantitative, qualitative and mixed methods research 212
Research strategies 213
Collecting secondary data 215
Types and sources of secondary data 216
Suitability of data for your project 217
Authentication and credibility 218
Analysing secondary data 218
Content analysis 218
Data mining 221
Meta-analysis 221
Collecting primary data 222
Survey research 223
Sampling 223
Questionnaires 228
Diaries 230
Interviews: structured, semi-structured and open 230
Standardized scales and tests 232
Accounts 233
Observations and physical surveys 234
Using the Internet for primary research 235
Combined data generation and analysis 238
Laboratory and field experiments 239

Types of experiment 240
Models 243
Analysing primary data 248
Quantitative analysis 249
Statistics 250
Qualitative analysis 255
Preliminary analysis during data collection 256
Typologies, taxonomies and coding 256
Pattern coding, memoing and interim summary 257
Further techniques during data collection 259
Main analysis during and after data collection 260
Qualitative analysis of texts, documents and discourse 265
Mixed methods and interdisciplinary research 268
Mixed methods 268
How to use mixed methods research 269
Data management and mixing 271
Interdisciplinary research 271
Conclusions 273
The next steps: which research methods will you use? 273
Consolidation and assessment 276
Further reading 276

8 The Research Proposal: Planning and Structuring Your Ideas 284

Aims 284
Introduction 285
Defining your research project 285
The recipe for a successful research proposal 287
Types of research proposal 288
The main ingredients and sequence 289
The title 289
Aims of the research 290
The background and literature review 291
The research problem 292
Outline of methods 298
Possible outcomes of the research 299
Additional information for proposals for funded research 300
Finalizing your proposal 302
Successful proposals 308
Conclusions 321
The next steps: your research proposal 322
Consolidation and assessment 324
Further reading 325

9 Writing Strategies: Getting Started and Maintaining Momentum Throughout Your Project **327**

Aims 327
Introduction 328
Where to begin on your dissertation or thesis 328
The writing process 330
Forming the structure and preparing an outline 330
Retrieving and organizing notes 333
Drafting and redrafting 334
Paragraphs 335
Illustrations 337
Quotations 337
Punctuation 338
Spelling 339
Tables and figures 340
Bibliographies, references and footnotes 341
Motivation and maintaining momentum 345
Other types of writing you might need to do 346
Presentations 346
Posters 348
Conference papers 351
Research papers for refereed academic journals 351
Progress reports 353
Articles 353
Conclusions 354
The next steps: getting to write your thesis or dissertation or research report 354
Consolidation and assessment 356
Further reading 356

Answers to Exercises 359
Key Words Glossary 377
References 387
Index 392