

# Contents

Preface	x
About the authors	xvi
Publisher's acknowledgements	xvii

## **Section 1 Management accounting for decision making**

<b>1 Foundations of management accounting</b>	<b>3</b>
1.1 The role of management accounting information	3
1.2 Early developments in trade and production	4
1.3 Increasing complexity of operations	7
1.4 Management accounting theory	16
1.5 Conclusion	21
Exercises	21
References	25
<b>2 Planning and decision making</b>	<b>29</b>
2.1 Decision making	29
2.2 Decision making under risk and uncertainty	31
2.3 Decision making under complete uncertainty	44
2.4 Risk, uncertainty and the decision maker	48
Exercises	54
References	60
<b>3 Management control</b>	<b>61</b>
3.1 Management issue	61
3.2 Governance and control of strategic management	62
3.3 Management control concepts and frameworks	65
3.4 Management control system design	75
3.5 Evaluating the effectiveness of management controls	78
3.6 Summary	84
Exercises	84
Cases	86
References	99
<b>4 Financial modelling</b>	<b>101</b>
4.1 Introduction	101
4.2 Models for business decision making	103
4.3 Modelling risk and uncertainty	116
4.4 Recap of financial modelling	126
Exercises	127

Cases	132
References	139

## **Section 2 Profitability analysis**

<b>5</b>	<b>Budgeting and beyond</b>	<b>143</b>
5.1	Introduction	143
5.2	Different approaches to budgeting	144
5.3	Activity based budgeting application	150
5.4	Monte Carlo budget simulations	163
5.5	The hazardous game of aggregating budgets	165
5.6	Budget variance analysis	167
5.7	The future of budgeting	172
	Exercises	173
	Cases	180
	References	188
<b>6</b>	<b>Cost analysis and estimation</b>	<b>190</b>
6.1	Introduction	190
6.2	Cost functions	191
6.3	Cost estimation techniques	193
6.4	Simple linear regression	198
6.5	Multivariate regression	207
6.6	Modelling for learning	211
6.7	Data requirements	218
	Exercises	219
	References	227
<b>7</b>	<b>Investment analysis</b>	<b>228</b>
7.1	Introduction	228
7.2	Management issues	228
7.3	A brief theory of compounded interest	230
7.4	Discounted cash flow methods	233
7.5	Risk and uncertainty	235
7.6	Investment lifetime	236
7.7	Cost of capital	238
7.8	Forecasts of future cash flows	240
7.9	Real options and net present value analysis	244
7.10	Investment portfolios and capital rationing	246
7.11	Evaluations and post-audits of investment analyses, decisions, and outcomes	255
7.12	Investment analysis summary	256
	Exercises	256
	Cases	260
	References	269
<b>8</b>	<b>Management of operational performance</b>	<b>270</b>
8.1	Introduction	270
8.2	Defining the production plan	271
8.3	Extensions of LP models	280

8.4	Theory of constraints	283
8.5	Quality control	287
8.6	Supply chain management	297
	Exercises	299
	References	307
<b>Section 3 Management control systems</b>		
<b>9</b>	<b>Transfer pricing for divisionalised operations</b>	<b>311</b>
9.1	Overview	311
9.2	Divisional structure, performance evaluation and transfer pricing	311
9.3	Economic efficiency	316
9.4	International transfer pricing	324
9.5	Summary	331
	Exercises	332
	Cases	334
	References	337
<b>10</b>	<b>Integrated financial and non-financial measures</b>	<b>339</b>
10.1	Introduction	339
10.2	Integrated performance measurement systems (IPMS)	344
10.3	IPMS design decisions	354
10.4	Integrated performance measurement systems (IPMS) in action	360
	Exercises	366
	Cases	369
	References	371
<b>11</b>	<b>Inter-organisational management control</b>	<b>376</b>
11.1	Introduction	376
11.2	Alternative IORs	377
11.3	Strategic management issues for IORs	379
11.4	Case studies of inter-organisational control	389
11.5	Conclusion	395
	Exercises	396
	Cases	396
	References	406
<b>12</b>	<b>Incentive systems in organisations</b>	<b>408</b>
12.1	Introduction	408
12.2	Organisation goals and objectives	411
12.3	Organisation structure	416
12.4	Models of motivation	419
12.5	Incentive systems design	426
12.6	Summary	431
	Exercises	432
	Cases	435
	References	439
	<b>Index</b>	<b>442</b>