

ACCOUNTING AN INTRODUCTION

ATRILL • MCLANEY • HARVEY • CONG

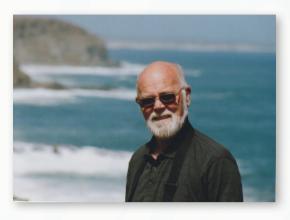


Foreword

In memory of David Harvey

We feel that we want to write this foreword, with great sadness, to pay tribute to our former professional colleague, co-author and dear friend, David Harvey, who died shortly before this edition of the book was published.

The three of us were, for many years, academic colleagues at Plymouth Business School, University of Plymouth, in the United Kingdom, often working very closely together on various teaching and writing projects. We always found David to be a great collaborator. He was unfailingly full of enthusiasm, always coming up



with good ideas, reliable and hardworking. These attributes seemed to rub off on us. He was always good-natured and, very importantly, great fun to work with.

Just after David left Plymouth to take up a post in Australia, the two of us were given the opportunity to write the first UK edition of *Accounting and Finance for Non-specialists*. This book proved to be a relative success, to the extent that the publisher, Pearson, wanted to bring out an Australian version. The obvious person to adapt the book was David, who took on the task with his characteristic drive and enthusiasm. The two of us were delighted to be collaborating with David once again. There is no doubt that David's input to the Australian version of the book, his writing skills, ideas and knowledge of the local commercial and legal scenes, did very much to enhance its reputation.

Losing David, with his dedication, integrity and good nature, leaves us both with a great sense of personal loss.

Peter Atrill Eddie McLaney

2020 has been an extraordinary year. Australia experienced the most catastrophic bush fires in decades, and regional towns in New South Wales and Victoria were severely hit. Australians could see the vivid impacts of climate change on their lives. My Australian co-author, David Harvey, was passionate about sustainability accounting issues and the accounting literacy of every student. So am I. We revamped Chapter 7 of the eighth edition of this book with recent sustainability reporting developments, including integrated reporting and latest CSR implementation successes and failures. We also expanded the Real World examples in each chapter (e.g. the recent ban in Australia of non-reusable plastics), to help readers to bring accounting to life. In addition, we included Reflection questions and Capstone Cases for users to reflect and synthesise learning throughout the book, develop graduate capabilities, and transit into the next career stage.

It was a great privilege working with David on this edition for more than a year. David mentored me in many ways with his abundant experience, and provided valuable advice on numerous professional and personal matters. It was therefore devastating to hear of David's sudden passing early in the year. Sadly, David is not able to see the eighth edition in print. Just typical David, his last wish was for people to donate to Cancer Research in lieu of flowers. His work ethics, generosity, empathy and optimism will forever inspire many people, including myself.

As I am working from home writing the foreword, the entire world is threatened by the COVID-19 pandemic, which is expected to have a much more profound effect on the economy than the 2008–09 global financial crisis. Businesses and organisations are being forced to shift to the online model, and small and medium-sized enterprises are particularly heavily impacted.

Hopefully, the accounting and finance knowledge in this book can help you understand how to survive in the worst scenarios, when they unfortunately become reality, how to manage finance properly, pursue cost reduction, maintain cash flow, achieve financial targets, balance financial and social responsibilities, and strive for long-term growth.

David was looking forward to the publication of the eighth edition. The successful completion of this edition to a high quality is our tribute to his hard work and inspirational ideas.

Ling Mei Cong

FULL CONTENTS

About the Australian authors Preface	xiii xiv	CHAPTER 2	
For students: How do I use this book?	xviii	Measuring and reporting financial	
Educator resources	XX	position	47
Reviewers	xxi	position	·····
		Nature and purpose of the statement of	
CHAPTER 1		financial position	48
		Assets	48
Introduction to accounting	1	Claims against the assets	50
Nieture and role of accounting	7	The accounting equation	52
Nature and role of accounting	3 3	The effect of trading operations on the	
Accounting as a service function	3	statement of financial position	54
Costs and benefits of accounting information	5	The classification of assets and claims	59
Accounting as an information	J	The classification of assets	59
system	5	Classifying claims	61
Users of accounting information	7	The classification of owners' equity	62
Financial and management	,	Formats for statements of financial position	63
accounting	9	Horizontal format	64
What is the financial objective of a	•	Vertical or narrative format	64
business?	11	Financial position at a point in time	66
Stakeholder theory	13	Factors influencing the form and content	
Balancing risk and return	14	of the financial reports	67
The main financial reports—an		Conventional accounting practice	68
overview	15	Valuing assets	74
Financial accounting	15	Usefulness of the statement of financial	
Management accounting	19	position	79
Business and accounting	21	Statement of financial position deficiencies	81
What kinds of business ownership		Summary Biographicae	83 85
exist?	21	Discussion questions Application exercises	86
How are businesses managed?	26	Case study	90
Not-for-profit organisations	28	Concept check answers	91
The changing face of business and		Solutions to activities	92
accounting	30		
Ethics and ethical behaviour in		CHAPTER 3	
business	31		
How useful is accounting information?	36	Measuring and reporting financial	
Why do I need to know anything about		performance	97
accounting and finance?	37	••••••••••	• • • • •
Summary	39	The statement of financial performance—its	
References	41	nature and purpose, and its relationship	00
Discussion questions Case study	41 42	with the statement of financial position	98
Concept check answers	44	The stock approach to calculating profit The format of the income statement	100
Solutions to activities	44		102
-		Key terms	102

Classifying expenses	104	Separation of ownership and management	164
The reporting period	105	Extensive regulation	165
Profit measurement and the recognition of		Advantages and disadvantages of the	
revenues and expenses	106	company entity structure	168
Recognising revenue	106	Equity and borrowings in a company	
Revenue recognition and cash receipts	107	context	170
Recognising revenue over time	107	Equity/capital (owners' claim) of limited	470
Recognition of expenses	111	companies	170
Profit, cash and accruals accounting—a		Reserves	174
review	114	Bonus shares	174
Profit measurement and the calculation of		Raising share capital	176
depreciation	115	Borrowings	176
Calculating depreciation	116	Restrictions on the rights of shareholders	
Selecting a depreciation method	121	to make drawings or reductions of	477
Impairment and depreciation	121	capital	177
Depreciation and the replacement of fixed		The main financial statements	183
assets	121	The income statement	184
Depreciation and judgement	122	The statement of financial position	184
Profit measurement and the valuation of		Dividends	184
inventory	123	Summary	186
What is inventory?	124	Discussion questions	187 188
What is the cost of inventory?	124	Application exercises Case study	193
What is the basis for transferring the	42.4	Concept check answers	197
inventory cost to cost of sales?	124	Solutions to activities	197
The net realisable value of inventory	127		
Profit measurement and the problem of	420	CHARTER	
bad and doubtful debts	129	CHAPTER 5	
The traditional approach	129	Regulatory framework for	
The impairment of assets approach	132	companies	200
Preparing an income statement from relevar financial information		•••••	
	133	The directors' duty to account—the role	
Uses and usefulness of the income	17/	of company law (corporations act)	201
statement	136	Auditors	202
Summary Discussion questions	143 145	Sources of rules and regulation	206
Application exercises	145	The need for accounting rules	206
Case study	151	Sources of accounting rules	206
Concept check answers	153	Corporate governance	208
Solutions to activities	153	Presentation of published financial	
		statements	214
CHAPTER 4		Statement of financial position	214
		Statement of comprehensive income	215
Introduction to limited companies	160	Statement of changes in equity	217
	• • • • • • •	Statement of cash flows	218
The main features of companies	161	Notes	219
Legal nature	161	Accounting for groups of companies	220
Unlimited (perpetual) life	161	Summary	225
Limited liability	162	Discussion questions	226
Legal safeguards	162	Application exercises	227
Public and proprietary (private) companies	163	Case study	231
Transferring share ownership—the role of		Consort shoot convers	233
		Concept check answers Solutions to activities	233

CHAPTER 6		Application exercises Case study	
Measuring and reporting cash flows	236	Concept check answers	322 323
weasuring and reporting easi flows	230	Solutions to activities	324
The importance of cash and cash flow	237	CHARTER	
The statement of cash flows	241	CHAPTER 8	
Preparation of the statement of cash		Analysis and interpretation of	
flows—a simple example	245	financial statements	326
Deducing cash flows from operating activities			
Deducing cash flows from investing activities		Financial ratios	327
Deducing cash flows from financing activities		Financial ratio classification	327
Indirect method	254	The need for comparison	328
Some complexities in statement preparation	259	The key steps in financial ratio analysis	329
The investing section	259	The ratios calculated	330
The financing section	260	A brief overview	331
What does the statement of cash flows tell us?	263	Profitability ratios	333
Summary Discussion supplies	266	Return on ordinary shareholders' funds (ROS	F)
Discussion questions Application exercises	267 268	(also known as 'return on equity (ROE)')	334
Case study	274	Return on capital employed (ROCE)	334
Concept check answers	275	Operating profit margin	336
Solutions to activities	276	Gross profit margin	337
		Efficiency ratios	339
CHARTER 7		Average inventories turnover period	339
CHAPTER 7		Average settlement period for accounts	
Corporate social responsibility		receivable (debtors)	340
and sustainability reporting	281	Average settlement period for accounts	7/4
, , , , , , , , , , , , , , , , , , , ,	• • • • • •	payable (creditors)	341
Social and environmental issues in accounting	282	Sales revenue to capital employed	341
General background	282	Sales revenue per employee	342
Stakeholder concept	282	Alternative formats	342
Legitimacy theory	284	The relationship between profitability and efficiency	343
Corporate social responsibility (CSR) and		Liquidity	346
sustainable development—what do		Current ratio	346
they mean?	288	Acid test ratio	346
Development of reporting for corporate		Financial gearing (leverage) ratios	348
social responsibility and sustainable development	293	Gearing ratio	350
Triple bottom line reporting	295	Interest cover ratio (times interest earned)	351
The global reporting initiative (GRI)	297	An aside on personal debt	354
General background	297	Investment ratios	356
Background and development of the GRI	271	Dividend payout ratio	356
quidelines	297	Dividend yield ratio	356
Current position—the GRI standards	298	Earnings per share ratio	357
Integrated reporting	307	Price/earnings ratio	358
Integrated reporting guiding principles	308	Other aspects of ratio analysis	360
Integrated reporting and value creation	300	Trend analysis	360
over time	308	Index or percentage analysis	361
Assessment of corporate responsibility and		Ratios and prediction models	363
sustainability reporting	311	Limitations of ratio analysis	363
The current status of sustainability accounting	311	Summary	368
Summary	317	Discussion questions	369
References	318	Application exercises	370
Discussion questions	319	Case study	376

Concept check answers	<i>376</i>	Benefits of ABC	449
Solutions to activities	<i>376</i>	Criticisms of ABC	454
Financial accounting capstone case	<i>380</i>	Uses and criticisms of full costing	456
		Uses of full cost information	456
CHAPTER 9		Criticisms of full costing	456
Cost-volume-profit analysis and		Summary	461
	384	Discussion questions	462
relevant costing	304	Application exercises	463
The behaviour of costs	385	Case study	469
Fixed costs	385	Concept check answers	470
Variable costs	386	Solutions to activities	470
Semi-fixed (semi-variable) costs	387		
Break-even analysis	390	CHAPTER 11	
Contribution	394	Pudgoting	474
Profit—volume (PV) charts	394	Budgeting	4/4
Margin of safety and operating gearing	396	Planning and control	475
Weaknesses of break-even analysis	398	Corporate objectives, long-term plans and	., .
	401	budgets—their relationship	475
Expected costs rather than historic costs	401	Exercising control	476
Use of spreadsheets		Budgets and forecasts	477
Relevant cost, outlay cost and opportunity cost	404	Time horizons of plans and budgets	477
Marginal analysis/relevant costing	407	Limiting factors	478
Accepting/rejecting special contracts	408	The interrelationship of various budgets	478
The most efficient use of scarce resources	409	The budget-setting process	479
Make or buy decisions	410	Incremental and zero-based budgeting	480
Closing or continuing a section or department		The uses of budgets	481
Summary Pierweier	415	Non-financial measures in budgeting	483
Discussion questions Application exercises	416 417	The extent to which budgets are prepared	483
Case study	421	Preparing the cash budget	485
Concept check answers	423		
Solutions to activities	423	Preparing other budgets Using budgets for control	488 491
			49
CHARTER 10		Budgetary control—comparing the actual performance with the budget	494
CHAPTER 10		Flexing the budget	495
Full costing	426	Variance analysis—more detail	497
•••••	• • • • •	Standard quantities and costs	500
The nature of full costing	427	Reasons for adverse variances	500
Deriving full costs in a single or			500
multi-product or -service operation	429	Investigating variances	500
Single-product businesses	429	Necessary conditions for effective budgetary control	503
Multi-product operations	430	Limitations of the traditional approach to	50.
Segmenting the overheads	439	control	504
Dealing with overheads on a departmental		General limitations concerning budgeting	30-
(cost centre) basis	440	systems	504
Batch costing	443	Behavioural aspects of budgetary control	505
Full/absorption cost as the break-even price	444	Beyond budgeting	505
The forward-looking nature of full costing	444	Overall review	509
Activity-based costing (ABC)	445	Summary	51 1
Costing and pricing: the traditional way	445	Discussion questions	512
Costing and pricing: the new environment	446	Application exercises	513
An alternative approach to full costing	447	Case study	519
ABC contrasted with the traditional approach	447	Concept check answers	520
Attributing overheads using ABC	448	Solutions to activities	52 ′

CHARTER 12		Length of credit period	590
CHAPTER 12		An alternative approach to evaluating	
Capital investment decisions	525	the credit decision	592
•	• • • • • • • •	Cash discounts (early settlement)	592
Features of investment decisions and		Collection policies	593
associated appraisal methods	526	The management of cash	597
The nature of investment decisions	526	Why hold cash?	597
Methods of investment appraisal	527	How much cash should be held?	597
Accounting rate of return (ARR)	529	Statements of cash flows/budgets and the	
ARR and ROCE	530	management of cash	598
Problems with ARR	530	Operating cash cycle (OCC)	598
Payback period (PP)	532	Cash transmission	601
Problems with PP	534	Bank overdrafts	602
Net present value (NPV)	535	The management of accounts payable	
Interest lost	536	(creditors)	603
Inflation	536	Taking advantage of cash discounts	603
Risk	537	Controlling accounts payable	604
Actions of a logical investor	537	Summary	607
Using discount (present value) tables	540	Discussion questions	608
The discount rate and the cost of capital	541	Application exercises	609
Why NPV is superior to ARR and PP	541	Case study	613
	542	Concept check answers Solutions to activities	614
Discounted payback Internal rate of return (IRR)	544	Solutions to activities	614
Problems with IRR	549	CUARTER 44	
	550	CHAPTER 14	
Some practical points The basis of the cash flow calculations	550	Financing the business	618
	552	•••••	
More practical points	555	Sources of finance	619
Investment appraisal in practice Methods used	555	Internal sources of finance	619
		External sources of finance	622
Investment appraisal and planning systems	556	External sources of long-term finance	622
Risk and uncertainty	558	External sources of short-term finance	632
Summary Discussion questions	560 561	Funding typically associated with smaller	
Discussion questions Application exercises	562	businesses	635
Case study	569	Long-term vs short-term borrowing	637
Concept check answers	569	Gearing and the long-term financing decision	639
Solutions to activities	569	Raising long-term equity finance	643
Appendix 12.1	574	The role of the Australian Securities Exchange	643
		Share issues	644
CHAPTER 13		Venture capital and long-term financing	649
		Summary	654
The management of working capital	575	Discussion questions	655
		Application exercises Case study	656 663
The nature and purpose of working capital	576	Concept check answers	664
The management of inventories	580	Solutions to activities	664
Budgets of future demand	580	Management accounting capstone case 2	667
Financial ratios	581	Glossary	669
Recording and reordering systems	581	Index	676
Levels of control	583		370
Stock/inventory management models	584	Online topics	
The management of accounts receivable		Additional Topic 1: Recording transactions—	-
(debtors)	589	the journal and ledger accounts	
Which customers should receive credit,		Additional Topic 2: Accounting systems and	
and how much should they be offered?	589	internal control	